

December 15, 2025

New Mexico Oil Conservation Division

New Mexico Energy, Minerals, and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico 87505



Re: Closure Report

Thistle Unit 22 CTB 2 Unit 185H
Incident Number nAPP2519126637
Lea County, New Mexico

To Whom It May Concern:

Safety & Environmental Solutions (SESI), on behalf of Devon Energy Production Company, LP (Devon), has prepared this Closure Report to document assessment and soil sampling activities at the Thistle Unit 22 CTB 2 (Site) in Unit A, Section 22, Township 23 South, Range 33 East, in Lea County, New Mexico (Figure 1). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, Devon is submitting this Closure Report, describing Site assessment, delineation and excavation activities that have occurred to date for Incident Number nAPP2519126637

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in is Unit Letter A, Section 22, Township 23 South and Range 33 East in Lea County, New Mexico. (32.295136, -103.554495 NAD83) and is associated with oil and gas exploration and production on State of New Mexico Land.

Incident C-141 received on 07/10/2025 for release on 07/09/2025. The cause of the release was reported as equipment failure: "Leak on 3-phase separator dump spool. Approximately 1BBL of produced water impacted the production pad. Produced Water | Released: 8 BBL | Recovered: 7 BBL | Lost: 1 BBL.

SITE CHARACTERIZATION and CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I Closure Criteria for Soils Impacted by a Release, as specified in 19.15.29 NMAC. Results of the desktop review are summarized below; receptors are identified in Figure 1, with well records provided in Appendix A.

- Surface elevation is approximately 3710 feet above mean sea level (msl).
- The nearest continuously flowing water course (Pecos River) is located 25 miles to the west of the site.
- The nearest wetland (riverine) is located 0.64 miles to the east of the site.
- The nearest freshwater pond habitat is located 1.01 miles east of the site.
- The nearest lakebed, sinkhole, or playa lake (Bell Lake) is located about 4.2 miles south southeast of the site.
- The nearest subsurface mine >20 miles west northwest, associated with Mosaic Potash Carlsbad.
- According to the FEMA National Flood Hazard Layer (NFHL) FIRMette map, the Site is located entirely within Zone D (Area of Undetermined Flood Hazard). The property is not located within a 100-year floodplain, and no regulatory floodways are mapped at or immediately adjacent to the Site.



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- USGS karst occurrence potential data designates the area as low risk. According to the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is classified as Pyote and Maljamar fine sands, with 0 to 3 percent slopes. These soils are derived from sandy eolian deposits formed on plains and rises. The Pyote series consists of fine sand to fine sandy loam with no restrictive features to a depth of over 80 inches and is classified as well drained with negligible runoff. The Maljamar series includes a petrocalcic horizon at 40–60 inches and also drains well with very low runoff potential. Both soils exhibit low available water supply and are rated as non-hydric. The area lies within Ecological Site R070BD003NM (Loamy Sand). This location is not classified as prime farmland and has a high permeability with limited salinity, low gypsum content, and minimal risk of flooding or ponding.
- The site is located on the northern portion of the Delaware Basin margin in southeastern New Mexico and is underlain by Quaternary alluvial and eolian deposits. The Quaternary undifferentiated alluvial sediment consisting of sheetwash-transported silt, sand, and gravel. Surrounding areas include piedmont alluvial deposits and extensive Holocene eolian sand sheets, reflecting wind-dominated surface modification. Several nearby playa basins, including Bell Lake, mark closed local depressions where fine sediments accumulate. The landscape exhibits low relief and is shaped by episodic runoff and eolian processes.
- Groundwater was determined utilizing the New Mexico Office of the State Engineers (NMOSE) database for registered water wells. The closest registered Point of Diversion (POD), identified as C-04664-POD1, is located approximately 0.38 miles northwest of the release site at coordinates 32.30251, -103.37444 (SE NW SE, Section 15, Township 23 South, Range 33 East). This well was drilled by Devon Energy on September 7, 2022, to a depth of 55 feet below ground surface (bgs) using a hollow stem auger. No groundwater was encountered during drilling, and the well was classified as a dry hole.

Based on the results of the Site Characterization, groundwater in the area occurs at depths over 55 feet below ground surface (bgs). Therefore, pursuant to Table I Closure Criteria for Soils Impacted by a Release as specified in 19.15.29 NMAC, the following closure criteria apply to the Site:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 2,500 mg/kg
- Chloride: 10,000 mg/kg

NMOCD WORK PLAN APPROVAL CONDITION CLARIFICATION

On August 18, 2025, upon approval of the Remediation Plan by NMOCD, it was noted by NMOCD that south of the tank battery on-site there appeared to be discoloration or surface staining. SESI performed a historical records review and located NMOCD Incident # nAPP2404051181 where a deferral of remediation had been granted for this area due to the presence of infrastructure. The NTG Environmental Deferral area Map has been included in Figure 1 of this report.

CULTURAL PROPERTIES PROTECTION RULE & BIOLOGICAL RESOURCES COMPLIANCE

Remediation and closure activities were conducted entirely within previously disturbed areas associated with an existing facility. No new surface disturbance occurred as a result of the corrective actions. In accordance with New Mexico State Land Office (NMSLO) biological resource requirements and New Mexico State Land Cultural Properties Protection (CPP) Rule, no additional biological review or CPP review was required. Closure activities were completed in compliance with NMSLO biological resources requirements and NMSLO cultural properties protection requirements, and no impacts to biological resources or cultural properties were observed.



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SITE ASSESSMENT ACTIVITIES

SESI personnel mobilized to the Thistle Unit 22 CTB 2 Site to evaluate the reported release in accordance with NMOCD Rule 19.15.29 NMAC. The assessment included review of Form C-141 data, visual inspection, and field screening. Sampling locations were mapped using a handheld GPS unit (see Figure 1). Soil samples were collected directly into pre-cleaned glass jars, labeled with sample identification, date, time, sampler, and requested analyses, then preserved on ice and shipped under strict chain-of-custody to Cardinal Laboratory and Envirotech Analytical Laboratory (Farmington, NM). Samples were analyzed for BTEX (EPA 8021B), TPH-GRO/DRO/ORO (EPA 8015M/D), and chloride (EPA 300.0).

Field activities were completed in several phases:

Initial Delineation

On July 14, 2025, seventeen (17) delineation soil samples (AH-1 through AH-12 and HP-1 through HP-5) were collected from the 0–6 inch below ground surface (bgs) interval. Laboratory analytical results indicate that all benzene, BTEX, and TPH constituents were below laboratory reporting limits. Chloride concentrations ranged from 64 mg/kg to 11,300 mg/kg.

The majority of samples were below the applicable NMOCD Table 1 surface soil closure criterion of 10,000 mg/kg for chloride. Exceedances were identified at sample locations AH-2 (10,400 mg/kg), AH-5 (10,900 mg/kg), AH-7 (11,300 mg/kg), and AH-9 (11,100 mg/kg) at the 0–6 inch interval. These areas were flagged for additional delineation and soil removal.

Subsurface Assessment

A series of boreholes (BH-1 through BH-4) were advanced within the release area to depths ranging from approximately three (3) to four (4) feet below ground surface (bgs) to evaluate the vertical extent of potential impacts. Laboratory analytical results indicate that all benzene, BTEX, and TPH constituents were below laboratory reporting limits. Chloride concentrations exhibited a decreasing trend with depth. Based on the borehole analytical results, the vertical extent of chloride impacts was delineated to approximately 3 to 4 feet bgs.

Excavation

Excavation activities were conducted to depths ranging from approximately 0.5 inches to 2 feet below ground surface (bgs). Areas located beneath critical infrastructure were surface scraped to approximately 0.5 inches to remove observable staining to the maximum extent practicable.

Final Confirmation Sampling

Final confirmation soil sampling was conducted between October 17 and October 28, 2025, with additional confirmation sampling completed on November 10, 2025. Analytical results indicate that all Benzene and BTEX constituents were non-detected. The majority of total petroleum hydrocarbon (TPH) fractions were below laboratory detection limits, with isolated detections of diesel-range organics (DRO) and oil-range organics (ORO) addressed through additional excavation and delineation.



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At horizontal sample location HP-4-S, total TPH and chloride concentrations of 2,863 mg/kg and 605 mg/kg were detected. Additional excavation was conducted in this area, and the horizontal sample point was moved approximately two (2) feet laterally (HP-4A). Laboratory analytical results from HP-4A indicated that chloride and total TPH concentrations were below the applicable NMOCD Table 1 closure criteria. The release area boundaries were extended to include HP-4-S.

At horizontal sample location HP-5-S, total TPH was detected at 361.5 mg/kg. The sample point was moved approximately two (2) feet laterally (HP-5A), and analytical results from HP-5A indicated that total TPH concentrations were below the applicable Table 1 closure criteria. The release area boundaries were extended to include HP-5-S.

At horizontal sample location HP-6-S, total TPH was detected at 373 mg/kg. The sample point was moved approximately two (2) feet laterally (HP-6A), where total TPH concentrations of 490 mg/kg were identified. The sample location was subsequently advanced an additional two (2) feet laterally (HP-6B), and analytical results from HP-6B indicated that total TPH concentrations were below the applicable Table 1 closure criteria. The release area boundaries were extended to include HP-6-S and HP-6A.

Chloride concentrations for all final confirmation and surface soil samples were below the applicable NMOCD Table 1 closure criterion of 10,000 mg/kg, indicating that chloride impacts had been adequately addressed.

The analytical dataset demonstrates that no regulated constituents remain above the applicable NMOCD Table 1 closure criteria following excavation and confirmation sampling.

CONCLUSION

Following the initial site assessment conducted on July 14, 2025, SESI determined that the impacted area at the Thistle Unit 22 CTB 2 site encompassed approximately 3,923 square feet, with contamination extending to an average depth of two feet bgs, and localized areas reaching approximately four feet bgs. As a proactive measure, SESI excavated the identified impacted soils to 0.5 to 2 feet bgs and transported approximately 150 cubic yards of material under manifest to an NMOCD-approved disposal facility for proper treatment or disposal.

Following excavation, confirmation soil samples were collected from the base and horizontal of the excavation and submitted to Envirotech Analytical Laboratories for analysis under NMOCD Table 1 parameters. Laboratory results confirmed that all BTEX constituents, TPH fractions (GRO/DRO/ORO), and chloride concentrations were below the applicable NMOCD Table 1 Closure Criteria, demonstrating that remediation targets were fully achieved.

After confirmation of analytical compliance, the excavation was backfilled with clean, compatible material and restored to original grade per site specifications.

Based on the site assessment, completed corrective actions, and validated laboratory analytical results, the site conditions meet the applicable NMOCD closure criteria. Devon Energy Production Company, LP requests closure of NMOCD Incident # nAPP2519126637.

If you have any questions or comments, please contact Leslie Mendenhall at (575) 973-5675 or lmendenhall@sesi-nm.com.



Devon Energy Production Company, LP
Thistle Unit 22 CTB 2
Closure Report

Sincerely,
Safety & Environmental Solutions, Inc.

Leslie Mendenhall

Leslie Mendenhall, Sr. VP of Environmental

Cc: Jim Raley, Devon
NMSLO

Appendices:

Figure 1. Site Vicinity and Receptor Map

Figure 2. Soil Survey Map

Table 1. Laboratory Analytical Report Summarized

Appendix A. Well Records & Logs

Appendix B. Photographic Log

Appendix C. Laboratory Analytical Reports & Chain of Custody Documentation

Appendix D. C-141 Forms and Correspondence

Devon Energy Production Company, LP
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Figure 1. Site Vicinity and Receptor Map

Thistle UNIT 22 CTB 2



nAPP2507036029

Devon Energy Productions, LP
nAPP2519126637

Unit A, Section 22, Township 23S, Range 33E
Lea County, New Mexico
32.295136, -103.554495

Vicinity Map

Legend

-  nAPP2404051181 Deferral Area
-  nAPP25119126637 Release Area



Thistle Unit 22 CTB 2

Devon Energy Productions, LP

nAPP2519126637

Section 22 Township 23S Range 33E - Lea County, New Mexico

32.295136, -103.554495

Delineation Sample Map



Google Earth

Image © 2025 Airbus



70 ft

Thistle Unit 22 CTB 2

Devon Energy Productions, LP
nAPP2519126637

Section 22 Township 23S Range 33E - Lea County, New Mexico
32.295136, -103.554495

Confirmation Sample Map

Legend

- AH-1 through AH-16
- HP1 through HP-12
- Release Area
- Release extension
- SS1 & SS2 (Under Separator)



Google Earth

Thistle UNit 22 CTB 2





nAPP2507036029

Devon Energy Productions, LP
nAPP2519126637

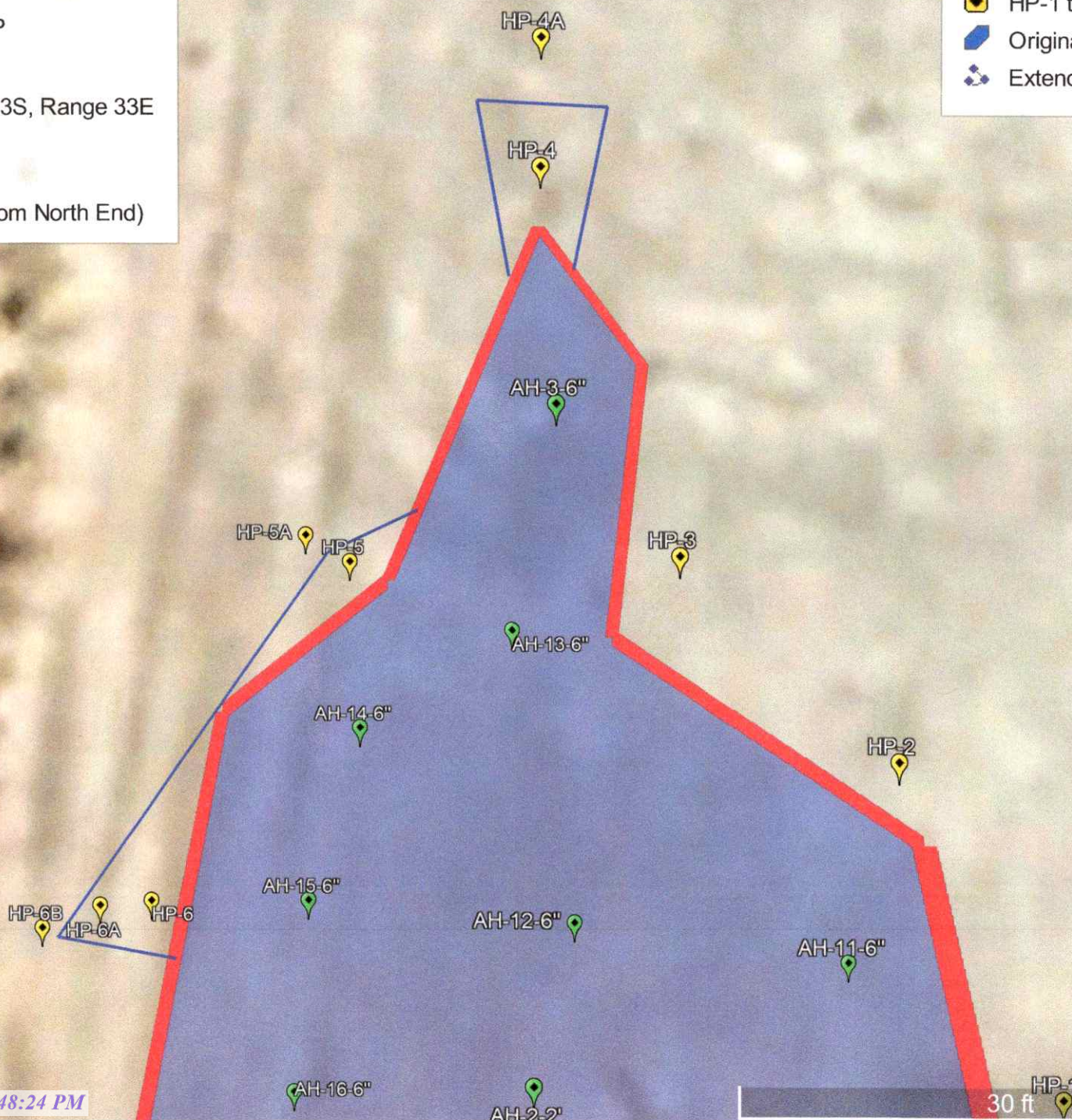
Unit A, Section 22, Township 23S, Range 33E
Lea County, New Mexico
32.295136, -103.554495

Confirmation Sample Map (Zoom North End)

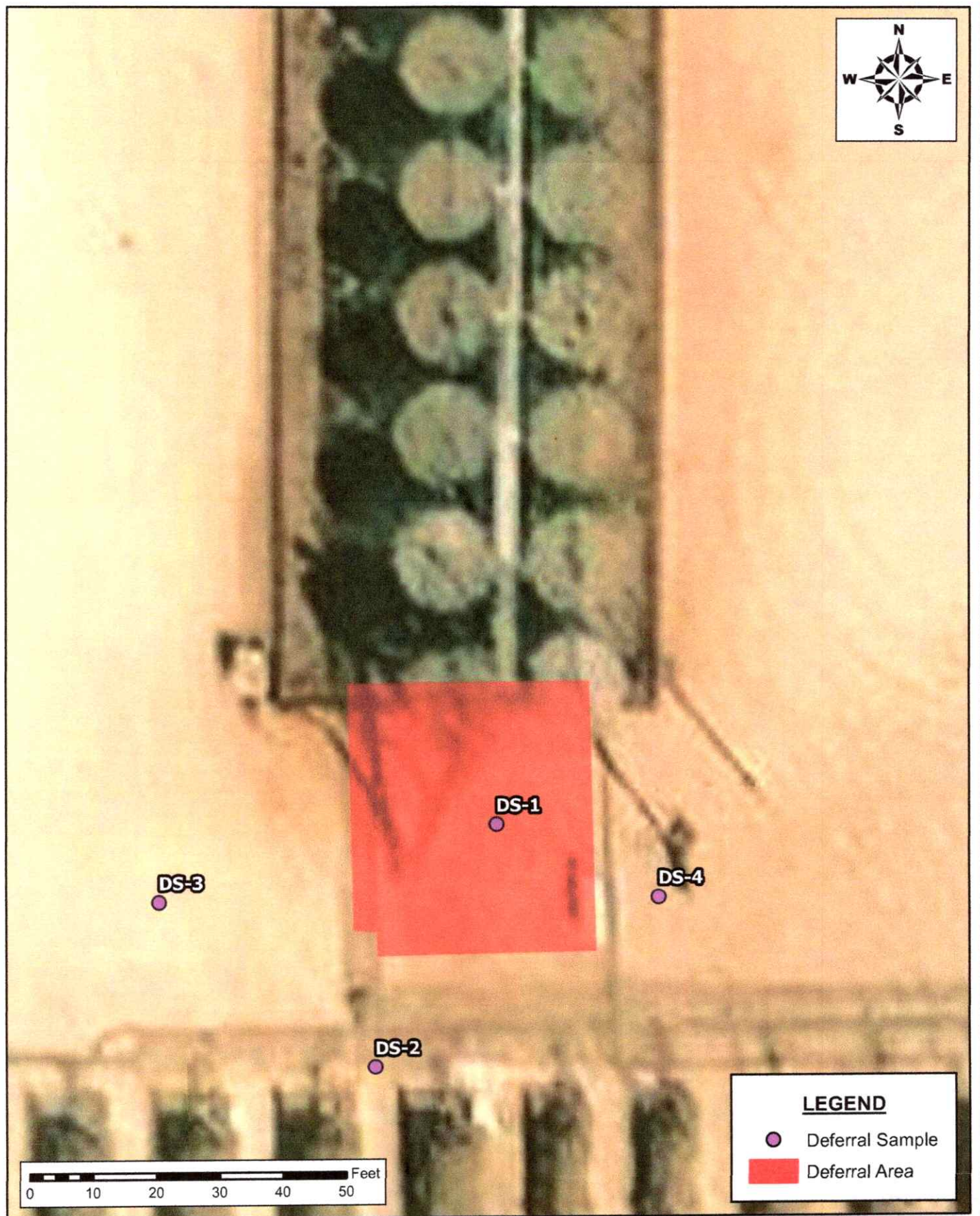
Legend

-  AH-1 through AH-16
-  HP-1 through HP-12
-  Original Release Area
-  Extended Release Area

Google Earth



Document Path: C:\Users\ntg\gis\New Tech Global\NTGE - Documents\2024 PROJECTS\DEVON\NIRSC\237334 - Thistle 22 CTB 2\7- Figures\GIS\Figure_3_SCM.mxd



DEFERRAL MAP
DEFERRAL REQUEST
DEVON ENERGY PRODUCTION COMPANY
THISTLE 22 CTB 2
LEA COUNTY, NEW MEXICO

SCALE: As Shown

Date: 6/17/2024

PROJECT #: 237334



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

NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

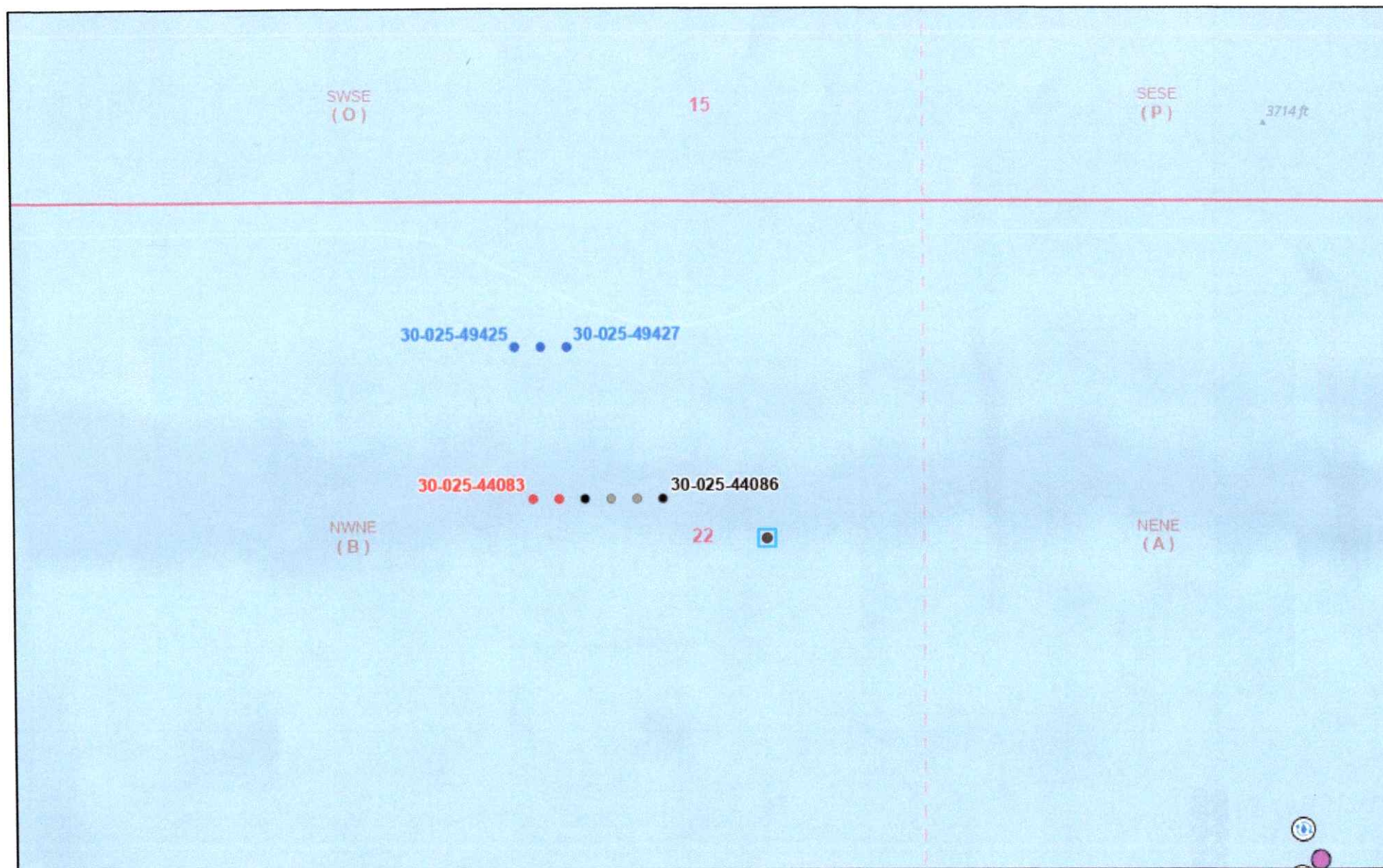
DRAWING NUMBER:

FIGURE 5

SHEET NUMBER:

1 of 1

OCD Well Locations | Karst Potential



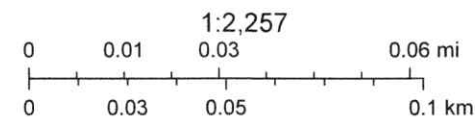
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Wells - Large Scale

- Oil, Active
- Oil, Cancelled
- Oil, New
- Oil, Plugged
- Incident Release
- Produced Water Release
- Release Other

Karst Occurrence Potential

- Low
- PLSS Second Division
- PLSS First Division



BLM, OCD, New Mexico Tech, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Sources: Esri,

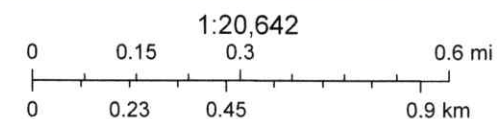
New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. <http://nm-ennrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f6f35ca75> New Mexico Oil Conservation Division

OSE POD Location Map



6/19/2025, 12:53:20 PM



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

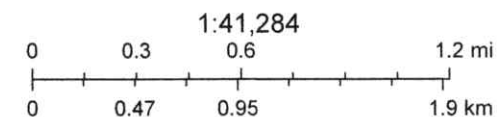
Online web user

This is an unofficial map from the OSE's online application.

OSE POD Location Map



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Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

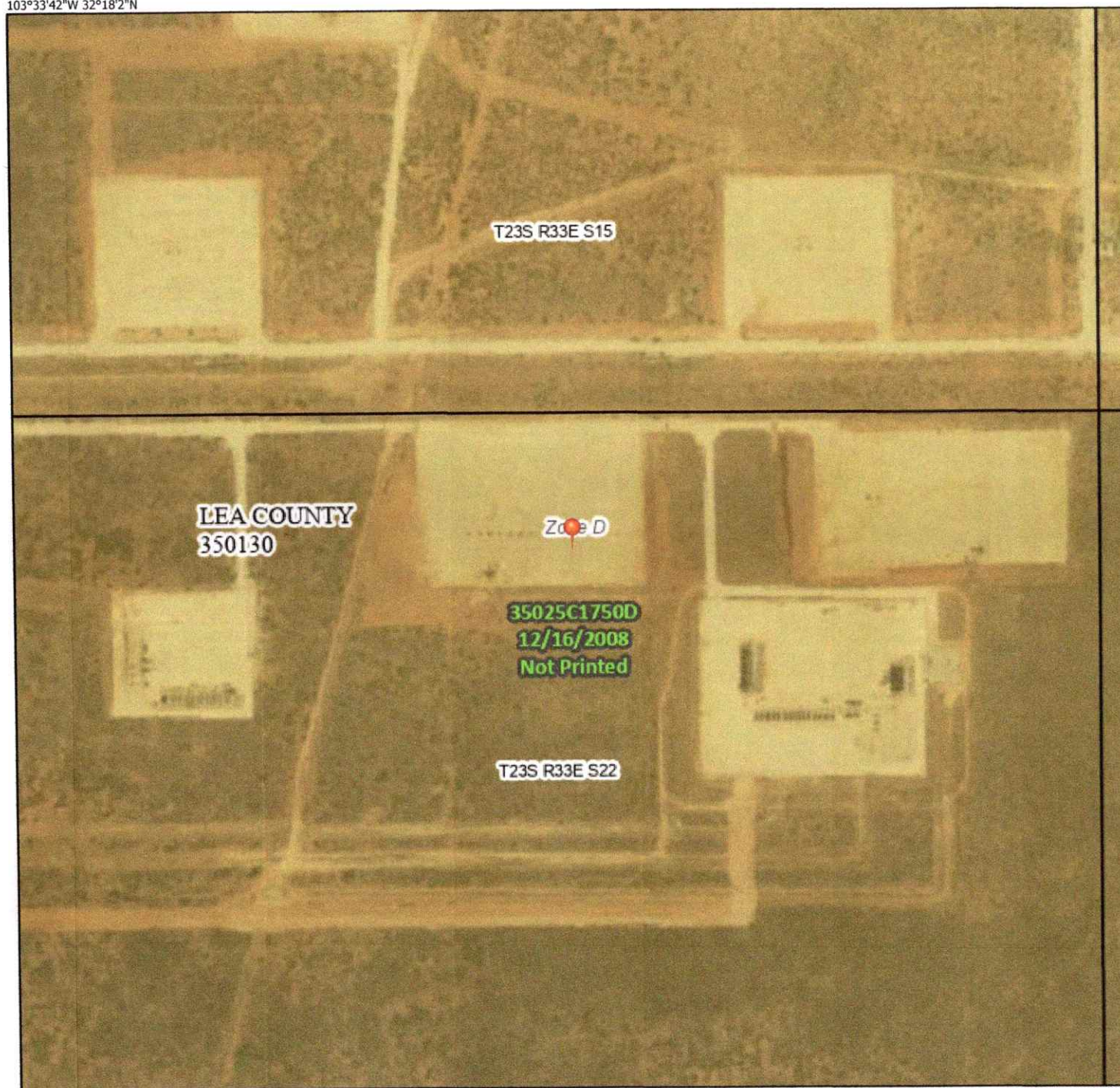
Online web user

This is an unofficial map from the OSE's online application.

National Flood Hazard Layer FIRMette



103°33'42"W 32°18'2"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes, Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone I
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

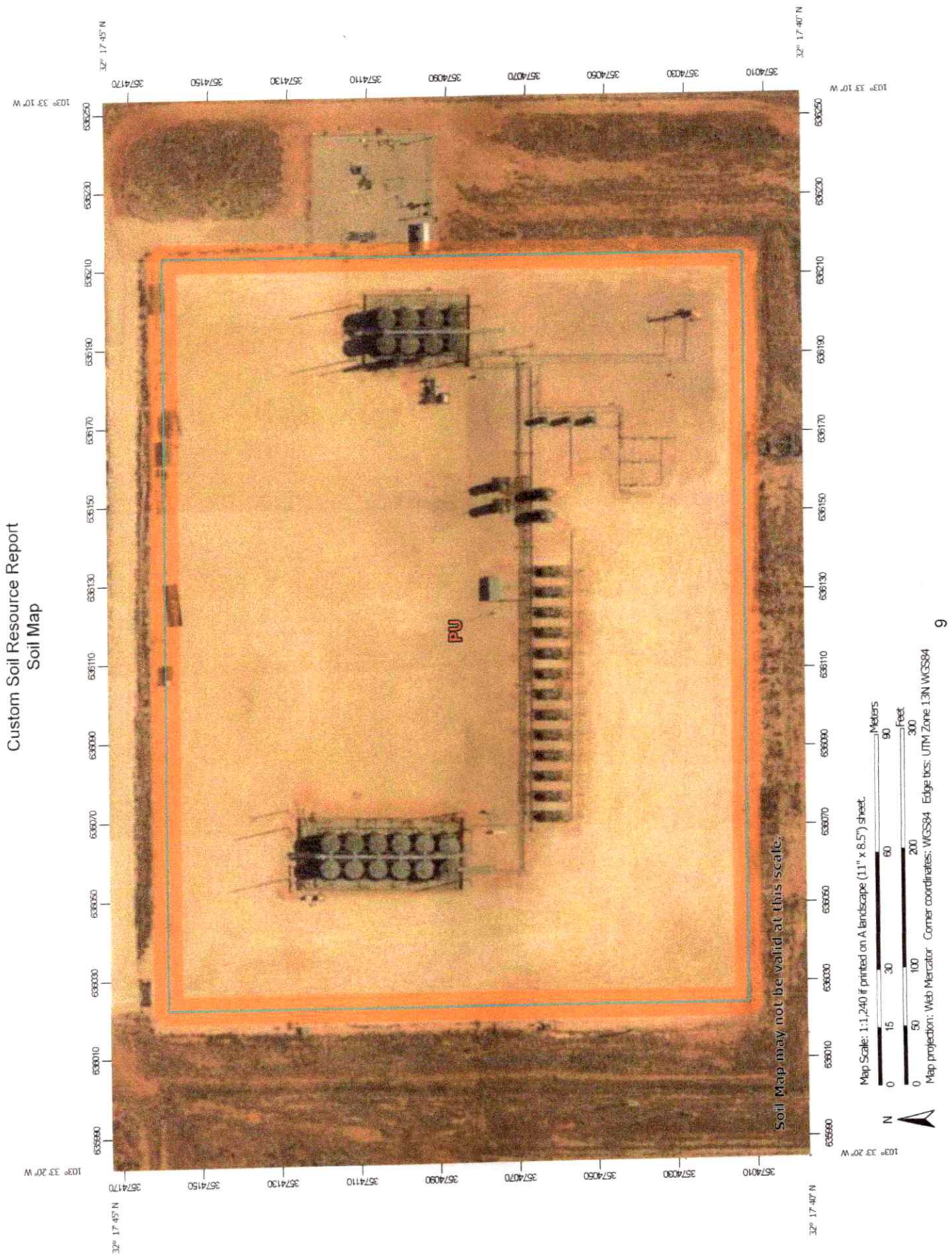
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/18/2025 at 9:53 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

**Devon Energy Production Company, LP
Thistle Unit 22 CTB 2 Unit 185H
Closure Report**



Figure 2. Soil Survey Map



Map Unit Description: Pyote and Maljamar fine sands—Lea County, New Mexico

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq
Elevation: 3,000 to 3,900 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent
Maljamar and similar soils: 44 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pyote

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand
Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

6/19/2025
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Map Unit Description: Pyote and Maljamar fine sands—Lea County, New Mexico

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Maljamar

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent
Ecological site: R070BC022NM - Sandhills

Map Unit Description: Pyote and Maljamar fine sands—Lea County, New Mexico

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

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Table 1. Laboratory Analytical Report Summarized

Table 1
Soil Sample Analytical Results
Thistle Unit 22 CTB 2
Devon Energy Production Company, LP
nAPP2519126637
Lea County, New Mexico

Sample Designation	Date	Depth (feet BGS)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO + DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)	
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000	
Delineation Soil Samples											
AH-1-6"	7/14/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8000	Cardinal Lab
AH-2-6"	7/14/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10400	Cardinal Lab
AH-3-6"	7/14/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448	Cardinal Lab
AH-4-6"	7/14/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9730	Cardinal Lab
AH-5-6"	7/14/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10900	Cardinal Lab
AH-6-6"	7/14/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7460	Cardinal Lab
AH-7-6"	7/14/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	11300	Cardinal Lab
AH-8-6"	7/14/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9330	Cardinal Lab
AH-9-6"	7/14/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	11100	Cardinal Lab
AH-10-6"	7/14/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80	Cardinal Lab
AH-11-6"	7/14/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7060	Cardinal Lab
AH-12-6"	7/14/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2920	Cardinal Lab
HP-1-6"	7/14/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96	Cardinal Lab
HP-2-6"	7/14/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112	Cardinal Lab
HP-3-SS	7/14/2025	0	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64	Cardinal Lab
HP-4-SS	7/14/2025	0	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80	Cardinal Lab
HP-5-SS	7/14/2025	0	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208	Cardinal Lab
BH-1-S	9/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1800	Envirotech Lab
BH-1-3'	9/19/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2200	Envirotech Lab
BH-1-4'	10/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	51.7	Envirotech Lab
BH-2-S	9/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1870	Envirotech Lab
BH-2-3'	9/19/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	159	Envirotech Lab
BH-3-S	9/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4950	Envirotech Lab
BH-3-3'	9/19/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	76.7	Envirotech Lab
BH-4-S	9/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6090	Envirotech Lab
BH-4-3'	9/19/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	648	Envirotech Lab
BH-4-4'	10/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	165	Envirotech Lab

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Grey text represents samples that have been excavated

"<": Laboratory Analytical result is less than reporting limit

NE: Not Established

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

* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg

Table 1
Soil Sample Analytical Results
Thistle Unit 22 CTB 2
Devon Energy Production Company, LP
nAPP2519126637
Lea County, New Mexico

Sample Designation	Date	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)
NMOC Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Confirmation Samples										
AH1-6"	10/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5970
AH2-2'	10/17/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	39.4
AH3-6"	10/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7140
AH4-6"	10/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1890
AH5-2'	10/17/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	413
AH6-2'	10/17/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20
AH-7-2'	10/17/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.8
AH8-6"	10/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	776
AH9-1'	10/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	743
AH10-6"	10/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3950
AH11-6"	10/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3090
AH12-6"	10/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	866
AH13-6"	10/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6180
AH14-6"	10/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6160
AH15-6"	10/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7540
AH16-6"	10/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7500
SS1-S	10/17/2025	0	<0.0250	<0.0500	<20.0	98.4	69.7	98.4	168.1	1480
SS2-S	10/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	53.2
HP1-S	10/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	87.4
HP2-S	10/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	44.9
HP-3-S	10/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	266
HP4-S	10/17/2025	0	<0.0250	<0.0500	<20.0	603	2260	603	2863	605
HP-4-1'	11/21/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	185
HP-4A	10/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.8
HP5-S	10/17/2025	0	<0.0250	<0.0500	<20.0	85.5	276	85.5	361.5	520
HP-5A	10/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	21.5
HP6-S	10/17/2025	0	<0.0250	<0.0500	<20.0	144	229	144	373	459
HP-6A	10/28/2025	0	<0.0250	<0.0500	<20.0	266	224	266	490	<20
HP-6B-S	11/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	120
HP7-S	10/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	43.1
HP-8-S	10/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	147
HP9-S	10/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	294
HP10-S	10/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	194
HP11-S	10/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	143

Table 1
Soil Sample Analytical Results
Thistle Unit 22 CTB 2
Devon Energy Production Company, LP
nAPP2519126637
Lea County, New Mexico

Sample Designation	Date	Depth (feet BGS)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO + DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Confirmation Samples										
HP12-S	10/17/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	222
BF-1	11/10/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.2

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Grey text represents samples that have been excavated

"<": Laboratory Analytical result is less than reporting limit

NE: Not Established

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

* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg

Devon Energy Production Company, LP
Thistle Unit 22 CTB 2 Unit 185H
Closure Report



Appendix A. Well Records & Logs



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

2012 NOV 21 A 10:14

1. GENERAL AND WELL LOCATION	POD NUMBER (WELL NUMBER) C-03582		OSE FILE NUMBER(S) C03582				
	WELL OWNER NAME(S) Bill Angel		PHONE (OPTIONAL) 575-369-6303				
	WELL OWNER MAILING ADDRESS PO Box 190		CITY STATE ZIP Rosington nm 88260				
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32 LONGITUDE 103	MINUTES 18 32	SECONDS 34.2 N 57.0 W	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS							
2. OPTIONAL	(2.5 ACRE) 1/4	(10 ACRE) 1/4	(40 ACRE) 1/4	(160 ACRE) 1/4	SECTION	TOWNSHIP <input type="checkbox"/> NORTH <input type="checkbox"/> SOUTH	RANGE <input type="checkbox"/> EAST <input type="checkbox"/> WEST
	SUBDIVISION NAME				LOT NUMBER	BLOCK NUMBER	UNIT/TRACT
	HYDROGRAPHIC SURVEY					NAP NUMBER	TRACT NUMBER
3. DRILLING INFORMATION	LICENSE NUMBER WD1682		NAME OF LICENSED DRILLER John Nomis		NAME OF WELL DRILLING COMPANY Hunary Horse LLC		
	DRILLING STARTED 10-1-12	DRILLING ENDED 10-18-12	DEPTH OF COMPLETED WELL (FT) 590	BORE HOLE DEPTH (FT) 590	DEPTH WATER FIRST ENCOUNTERED (FT)		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT)		
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD <input type="checkbox"/> ADDITIVES - SPECIFY:						
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:						
	DEPTH (FT) FROM TO		BORE HOLE DIA. (IN)	CASING MATERIAL	CONNECTION TYPE (CASING)	INSIDE DIA. CASING (IN)	CASING WALL THICKNESS (IN)
	0 590		12"	PVC	glued	6"	3/8
4. WATER-BEARING STRATA	DEPTH (FT) FROM TO		THICKNESS (FT)	FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)			YIELD (GPM)
	18 65		47	Sand			4K
	95 110		15	Sand			4K
	230 236		6	Sand			4K
	383 391		8	Sand			4K
	410 416		6	Sand			4K
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA N/A						TOTAL ESTIMATED WELL YIELD (GPM)	

FOR OSE INTERNAL USE

WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER C-3582	POD NUMBER 235.33E.14.114	TRN NUMBER 515767
LOCATION STR	PAGE 1 OF 2	

5. SEAL AND PUMP	TYPE OF PUMP: <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> JET <input type="checkbox"/> NO PUMP - WELL NOT EQUIPPED <input type="checkbox"/> TURBINE <input type="checkbox"/> CYLINDER <input type="checkbox"/> OTHER - SPECIFY: <u>unknown</u>						
	ANNULAR SEAL AND GRAVEL PACK	DEPTH (FT)		BORE HOLE DIA. (IN)	MATERIAL TYPE AND SIZE	AMOUNT (CUBIC FT)	METHOD OF PLACEMENT
		FROM	TO				
		0	20	12	grout / cement	8	top

6. GEOLOGIC LOG OF WELL	DEPTH (FT)		THICKNESS (FT)	COLOR AND TYPE OF MATERIAL ENCOUNTERED (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	WATER BEARING?
	FROM	TO			
	0	7	7	topsoil	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
	7	18	11	caliche	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
	18	65	47	sand	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	65	80	15	rock	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
	80	95	15	red clay	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	95	110	15	sand	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	110	230	120	red clay	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	230	236	6	sand	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	236	310	74	red clay	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	310	362	52	sand clay	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	362	383	21	red clay	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	383	391	8	sand	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	391	410	19	red clay	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	410	416	6	sand	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	416	513	97	red clay	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	513	520	107	sand	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	520	590	70	red clay	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

ATTACH ADDITIONAL PAGES AS NEEDED TO FULLY DESCRIBE THE GEOLOGIC LOG OF THE WELL.

7. TEST & ADDITIONAL INFO	WELL TEST METHOD: <input type="checkbox"/> BAILER <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> OTHER - SPECIFY: <u>N/A</u>	
	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.	
	ADDITIONAL STATEMENTS OR EXPLANATIONS:	

8. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER	<u>11-19-12</u> DATE

FOR USE INTERNAL USE

WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER <u>C-3582</u>	POD NUMBER <u>1</u>	TRN NUMBER <u>57007</u>	
LOCATION <u>5TR</u>	<u>235.33E. 14.114</u>		PAGE 2 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. n/a		OSE FILE NO(S) C-4664		
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838		
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY STATE ZIP Artesia NM 88210		
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 18	SECONDS 7.02	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LONGITUDE	103	22			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE NW SE Sec.15 T23S R33S NMPM							
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.	
	DRILLING STARTED 9/7/2022		DRILLING ENDED 9/7/2022		DEPTH OF COMPLETED WELL (FT) 55		BORE HOLE DEPTH (FT) ±55
	COMPLETED WELL IS:		<input type="checkbox"/> ARTESIAN		<input checked="" type="checkbox"/> DRY HOLE		<input type="checkbox"/> SHALLOW (UNCONFINED)
	DRILLING FLUID:		<input type="checkbox"/> AIR		<input type="checkbox"/> MUD		ADDITIVES - SPECIFY:
	DRILLING METHOD:		<input type="checkbox"/> ROTARY		<input type="checkbox"/> HAMMER		<input type="checkbox"/> CABLE TOOL
					<input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger		CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)		CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)		CASING CONNECTION TYPE (add coupling diameter)
	FROM	TO					
	0	55	±6.5		Boring		--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)		LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)
	FROM	TO					

FOR OSE INTERNAL USE

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

FILE NO. C-04664	POD NO. 1	TRN NO. 732814
LOCATION 235. 33E. 15 414	WELL TAG ID NO.	PAGE 1 OF 2

1. HYDROGEOLOGIC LOG OF WELL

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

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 732814
File Nbr: C 04664
Well File Nbr: C 04664 POD1

Oct. 03, 2022

DALE WOODALL
DEVON ENERGY
6488 7 RIVERS HWY
ARTESIA, NM 88210

Greetings:

The above numbered permit was issued in your name on 08/25/2022.

The Well Record was received in this office on 09/26/2022, stating that it had been completed on 09/07/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 08/25/2023.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in black ink that reads "Vanessa Clements".

Vanessa Clements
(575) 622-6521

drywell



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S) C-4929			
	WELL OWNER NAME(S) Devon Energy Production Company LP					PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS 5315 Buena Vista					CITY Carlsbad	STATE NM	
						ZIP 88220		
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 16	SECONDS 59.1	N	* ACCURACY REQUIRED ONE TENTH OF A SECOND		
	LONGITUDE 103	32	54.6	W	* DATUM REQUIRED WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Hognose Viper 23 Federal, SE SW SW Sec. 23 T23SR33E, NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 2/11/25	DRILLING ENDED 2/11/25	DEPTH OF COMPLETED WELL (FT) Temporary Well Material		BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 03/04/2025	
	DRILLING FLUID <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES SPECIFY							
	DRILLING METHOD <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl) FROM TO		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)
	0 55		±6.25	Soil Boring	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
				N/A				

FOR OSE INTERNAL USE:

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-4929	POD NO. 1	TRN NO. 776877
LOCATION 255. 33E. 23 433	WELL TAG ID NO.	PAGE 1 OF 2

[illegible]

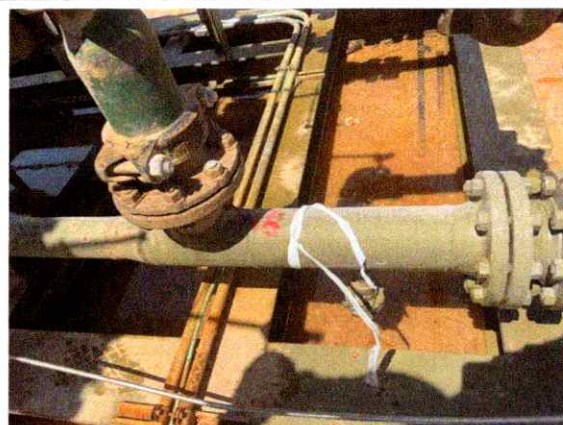
FOR USE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO. C-4929	POD NO. 1	TRN NO. 776877	
LOCATION 235.336-23 433	WELL TAG ID NO. N/A	PAGE 2 OF 2	

**Devon Energy Production Company, LP
Thistle Unit 22 CTB 2 Unit 185H
Closure Report**

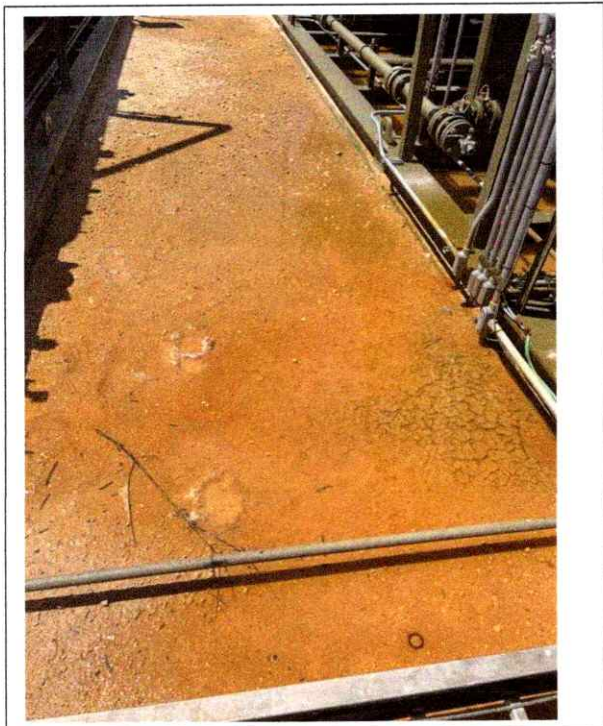


Appendix B. Photographic Log

Thistle Unit 22 185H

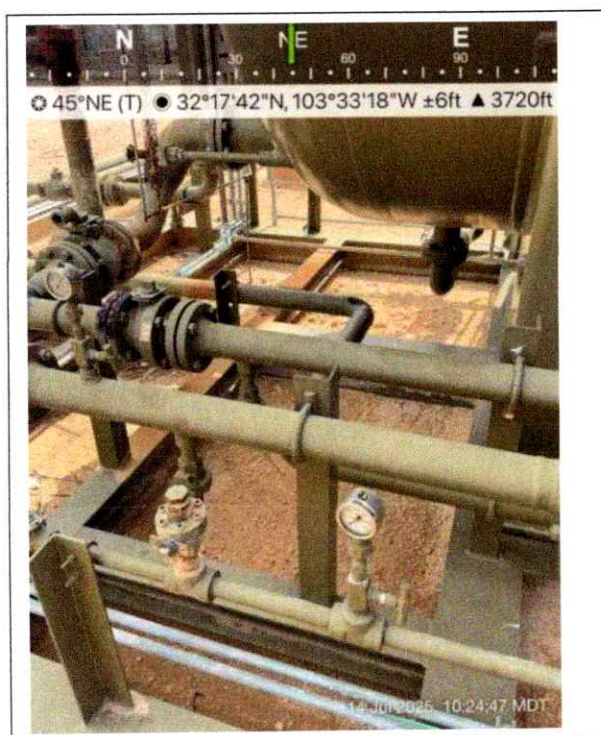
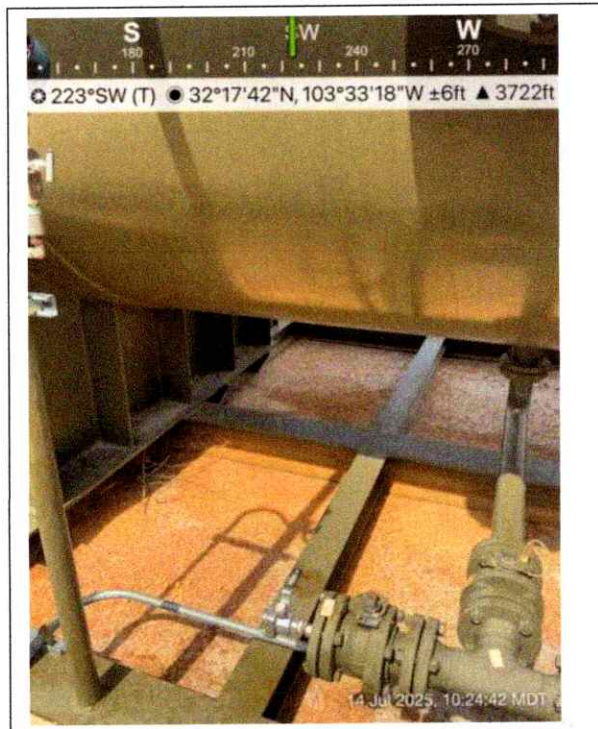


Thistle Unit 22 185H



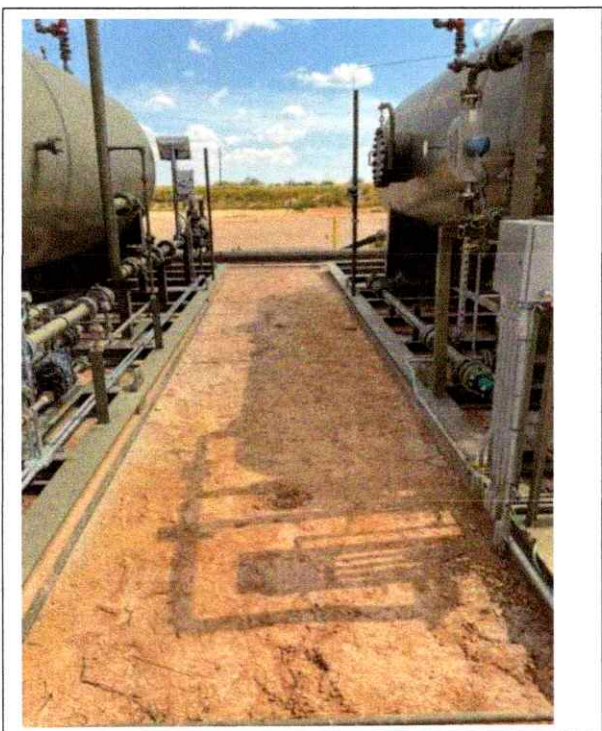
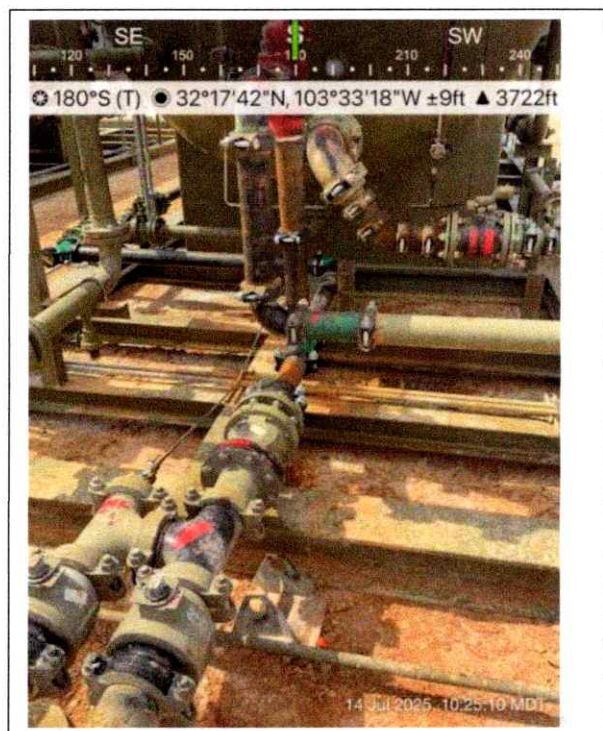
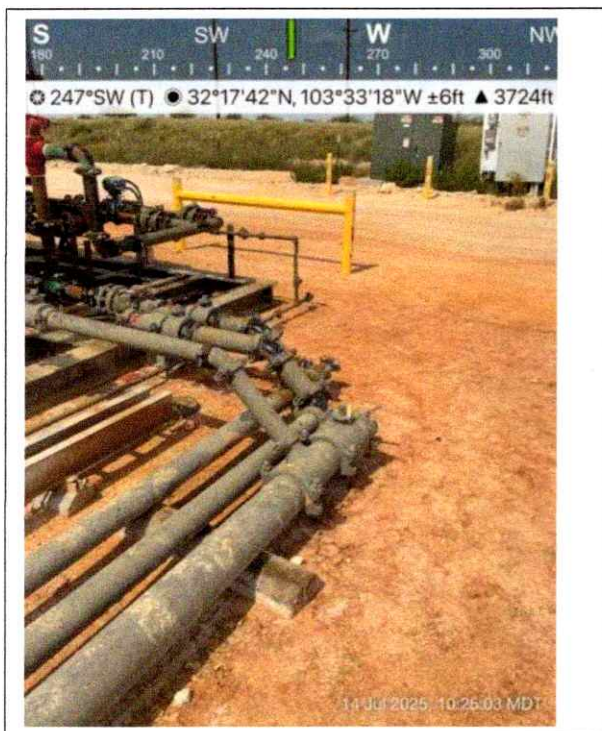
Thistle Unit 22 185 H

July 14, 2025



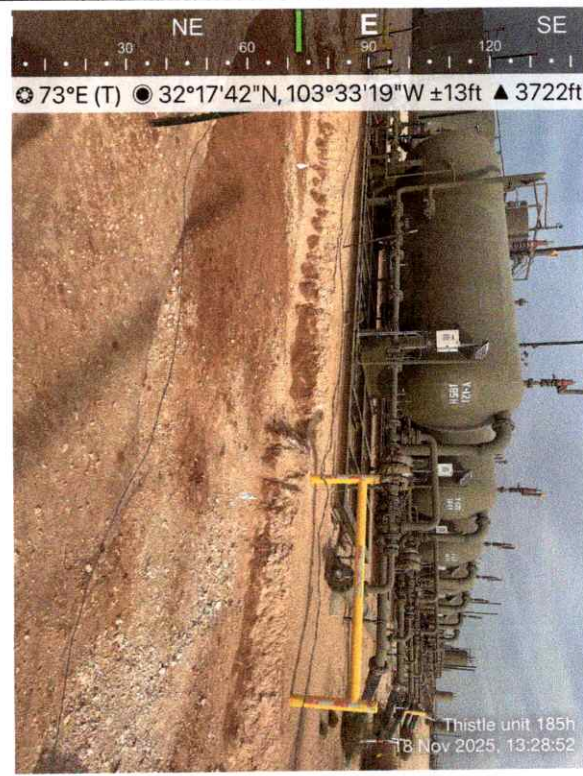
Thistle Unit 22 185 H

July 14, 2025



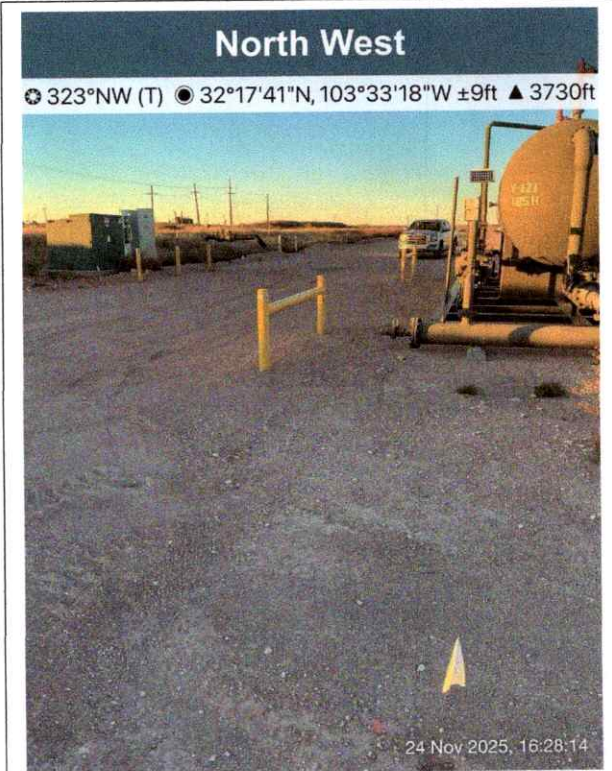
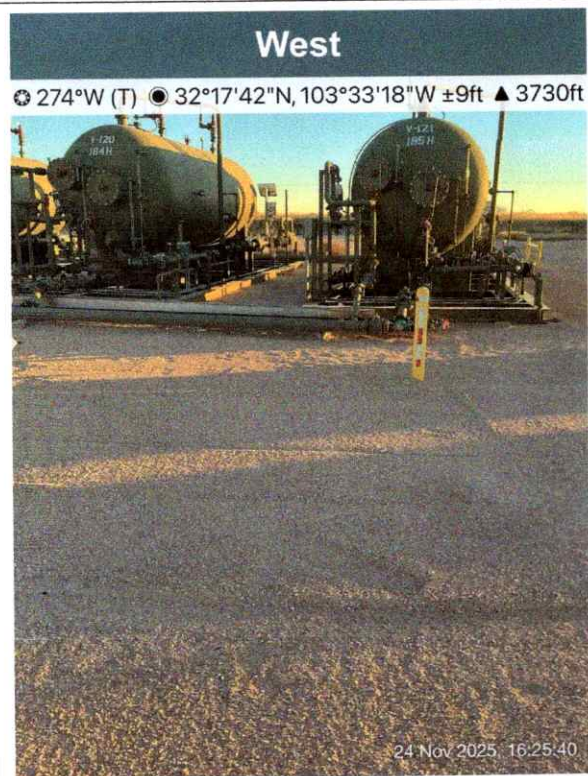
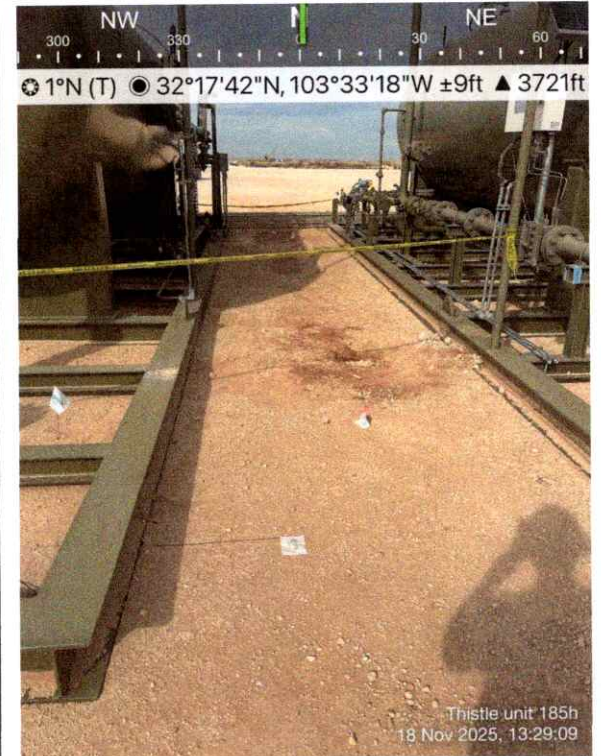
Thistle Unit 22 CTB 2

Excavation & Backfill Photos



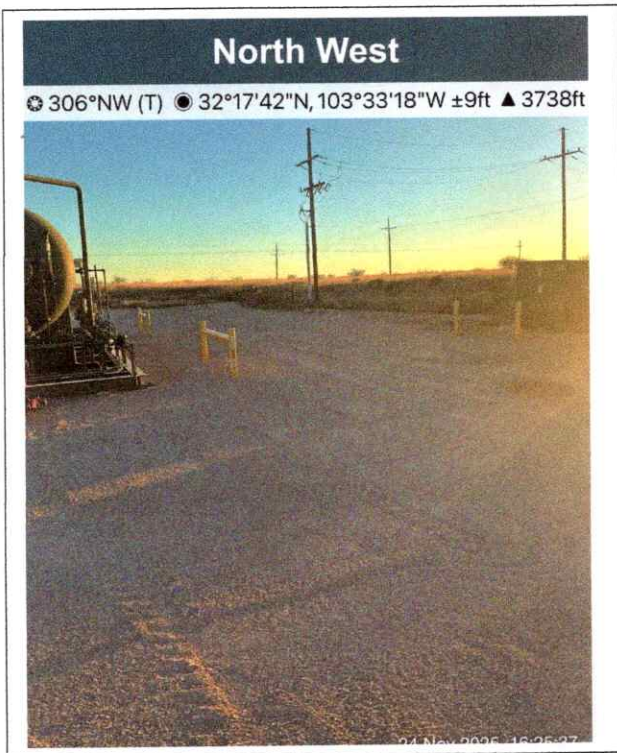
Thistle Unit 22 CTB 2

Excavation & Backfill Photos



Thistle Unit 22 CTB 2

Excavation & Backfill Photos



Devon Energy Production Company, LP
Thistle Unit 22 CTB 2 Unit 185H
Closure Report



Appendix C. Laboratory Analytical Reports & Chain of Custody Documentation



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

July 22, 2025

ARMANDO AGUIRRE

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: THISTLE UNIT 22 CBT 2 (185 H UNIT)

Enclosed are the results of analyses for samples received by the laboratory on 07/16/25 11:58.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab/accred/certif.html.

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

Method EPA 552.2	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 dark ink, appearing to read "Coley D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Safety & Environmental Solutions
 ARMANDO AGUIRRE
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received: 07/16/2025
 Reported: 07/22/2025
 Project Name: THISTLE UNIT 22 CBT 2 (185 H UNIT)
 Project Number: DEV- 25-016
 Project Location: THISTLE UNIT 22 CBT 2 (185 UNIT)

Sampling Date: 07/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: AH- 1 - 6" (H254241-01)

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	07/17/2025	ND	2.11	105	2.00	0.489		
Toluene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	0.0639		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.08	104	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.35	106	6.00	1.19		
Total BTEX	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 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	8000	16.0	07/17/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	198	99.2	200	1.89	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	214	107	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 79.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.7 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Safety & Environmental Solutions
 ARMANDO AGUIRRE
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received:	07/16/2025	Sampling Date:	07/14/2025
Reported:	07/22/2025	Sampling Type:	Soil
Project Name:	THISTLE UNIT 22 CBT 2 (185 H UNIT)	Sampling Condition:	Cool & Intact
Project Number:	DEV- 25-016	Sample Received By:	Alyssa Parras
Project Location:	THISTLE UNIT 22 CBT 2 (185 UNIT)		

Sample ID: AH- 2 - 6" (H254241-02)

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	07/17/2025	ND	2.11	105	2.00	0.489		
Toluene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	0.0639		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.08	104	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.35	106	6.00	1.19		
Total BTEX	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 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	10400	16.0	07/17/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	198	99.2	200	1.89		
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	214	107	200	1.66		
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND						

Surrogate: 1-Chlorooctane 84.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Safety & Environmental Solutions
 ARMANDO AGUIRRE
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received: 07/16/2025
 Reported: 07/22/2025
 Project Name: THISTLE UNIT 22 CBT 2 (185 H UNIT)
 Project Number: DEV- 25-016
 Project Location: THISTLE UNIT 22 CBT 2 (185 UNIT)

Sampling Date: 07/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: AH- 3 - 6" (H254241-03)

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	07/17/2025	ND	2.11	105	2.00	0.489		
Toluene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	0.0639		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.08	104	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.35	106	6.00	1.19		
Total BTEX	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 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	448	16.0	07/17/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	198	99.2	200	1.89	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	214	107	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 80.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Safety & Environmental Solutions
 ARMANDO AGUIRRE
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received: 07/16/2025
 Reported: 07/22/2025
 Project Name: THISTLE UNIT 22 CBT 2 (185 H UNIT)
 Project Number: DEV- 25-016
 Project Location: THISTLE UNIT 22 CBT 2 (185 UNIT)

Sampling Date: 07/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: AH- 4 - 6" (H254241-04)

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	07/17/2025	ND	2.11	105	2.00	0.489	
Toluene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	0.0639	
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.08	104	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.35	106	6.00	1.19	
Total BTEX	<0.300	0.300	07/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 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	9730	16.0	07/17/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	198	99.2	200	1.89	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	214	107	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 82.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.8 % 40.6-153

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Safety & Environmental Solutions
 ARMANDO AGUIRRE
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received: 07/16/2025
 Reported: 07/22/2025
 Project Name: THISTLE UNIT 22 CBT 2 (185 H UNIT)
 Project Number: DEV- 25-016
 Project Location: THISTLE UNIT 22 CBT 2 (185 UNIT)

Sampling Date: 07/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: AH- 5 - 6" (H254241-05)

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	07/17/2025	ND	2.11	105	2.00	0.489		
Toluene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	0.0639		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.08	104	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.35	106	6.00	1.19		
Total BTEX	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 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	10900	16.0	07/17/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	198	99.2	200	1.89	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	214	107	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 80.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.1 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Safety & Environmental Solutions
 ARMANDO AGUIRRE
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received: 07/16/2025
 Reported: 07/22/2025
 Project Name: THISTLE UNIT 22 CBT 2 (185 H UNIT)
 Project Number: DEV- 25-016
 Project Location: THISTLE UNIT 22 CBT 2 (185 UNIT)

Sampling Date: 07/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: AH- 6 - 6" (H254241-06)

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	07/17/2025	ND	2.11	105	2.00	0.489	
Toluene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	0.0639	
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.08	104	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.35	106	6.00	1.19	
Total BTEX	<0.300	0.300	07/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 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	7460	16.0	07/17/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	198	99.2	200	1.89	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	214	107	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 82.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.1 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Safety & Environmental Solutions
 ARMANDO AGUIRRE
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received:	07/16/2025	Sampling Date:	07/14/2025
Reported:	07/22/2025	Sampling Type:	Soil
Project Name:	THISTLE UNIT 22 CBT 2 (185 H UNIT)	Sampling Condition:	Cool & Intact
Project Number:	DEV- 25-016	Sample Received By:	Alyssa Parras
Project Location:	THISTLE UNIT 22 CBT 2 (185 UNIT)		

Sample ID: AH- 7 - 6" (H254241-07)

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	07/17/2025	ND	2.11	105	2.00	0.489	
Toluene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	0.0639	
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.08	104	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.35	106	6.00	1.19	
Total BTEX	<0.300	0.300	07/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 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	11300	16.0	07/17/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	198	99.2	200	1.89	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	214	107	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 81.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Safety & Environmental Solutions
 ARMANDO AGUIRRE
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received: 07/16/2025
 Reported: 07/22/2025
 Project Name: THISTLE UNIT 22 CBT 2 (185 H UNIT)
 Project Number: DEV- 25-016
 Project Location: THISTLE UNIT 22 CBT 2 (185 UNIT)

Sampling Date: 07/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: AH- 8 - 6" (H254241-08)

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	07/17/2025	ND	2.11	105	2.00	0.489	
Toluene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	0.0639	
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.08	104	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.35	106	6.00	1.19	
Total BTEX	<0.300	0.300	07/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9330	16.0	07/17/2025	ND	400	100	400	7.69	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	198	99.2	200	1.89	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	214	107	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 77.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.0 % 40.6-153

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Analytical Results For:

Safety & Environmental Solutions
 ARMANDO AGUIRRE
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received: 07/16/2025
 Reported: 07/22/2025
 Project Name: THISTLE UNIT 22 CBT 2 (185 H UNIT)
 Project Number: DEV- 25-016
 Project Location: THISTLE UNIT 22 CBT 2 (185 UNIT)

Sampling Date: 07/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: AH- 9 - 6" (H254241-09)

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	07/17/2025	ND	2.11	105	2.00	0.489		
Toluene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	0.0639		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.08	104	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.35	106	6.00	1.19		
Total BTEX	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 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	11100	16.0	07/17/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	198	99.2	200	1.89	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	214	107	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 78.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.9 % 40.6-153

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Analytical Results For:

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 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received: 07/16/2025
 Reported: 07/22/2025
 Project Name: THISTLE UNIT 22 CBT 2 (185 H UNIT)
 Project Number: DEV- 25-016
 Project Location: THISTLE UNIT 22 CBT 2 (185 UNIT)

Sampling Date: 07/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: AH- 10 - 6" (H254241-10)

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	07/17/2025	ND	2.11	105	2.00	0.489		
Toluene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	0.0639		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.08	104	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.35	106	6.00	1.19		
Total BTEX	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/17/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	198	99.2	200	1.89	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	214	107	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 83.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.5 % 40.6-153

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 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received: 07/16/2025
 Reported: 07/22/2025
 Project Name: THISTLE UNIT 22 CBT 2 (185 H UNIT)
 Project Number: DEV- 25-016
 Project Location: THISTLE UNIT 22 CBT 2 (185 UNIT)

Sampling Date: 07/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: AH- 11 - 6" (H254241-11)

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	07/17/2025	ND	2.11	105	2.00	0.489		
Toluene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	0.0639		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.08	104	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.35	106	6.00	1.19		
Total BTEX	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7060	16.0	07/17/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	198	99.2	200	1.89	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	214	107	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 74.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.9 % 40.6-153

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Analytical Results For:

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 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received:	07/16/2025	Sampling Date:	07/14/2025
Reported:	07/22/2025	Sampling Type:	Soil
Project Name:	THISTLE UNIT 22 CBT 2 (185 H UNIT)	Sampling Condition:	Cool & Intact
Project Number:	DEV- 25-016	Sample Received By:	Alyssa Parras
Project Location:	THISTLE UNIT 22 CBT 2 (185 UNIT)		

Sample ID: AH- 12 - 6" (H254241-12)

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	07/17/2025	ND	2.15	107	2.00	2.23	
Toluene*	<0.050	0.050	07/17/2025	ND	2.06	103	2.00	0.348	
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.12	106	2.00	1.06	
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.78	113	6.00	0.157	
Total BTEX	<0.300	0.300	07/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 115 % 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	2920	16.0	07/17/2025	ND	432	108	400	3.64	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	198	99.2	200	1.89	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	214	107	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 73.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.9 % 40.6-153

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Analytical Results For:

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 Hobbs NM, 88240
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Received:	07/16/2025	Sampling Date:	07/14/2025
Reported:	07/22/2025	Sampling Type:	Soil
Project Name:	THISTLE UNIT 22 CBT 2 (185 H UNIT)	Sampling Condition:	Cool & Intact
Project Number:	DEV- 25-016	Sample Received By:	Alyssa Parras
Project Location:	THISTLE UNIT 22 CBT 2 (185 UNIT)		

Sample ID: HP- 1 - 6" (H254241-13)

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	07/17/2025	ND	2.15	107	2.00	2.23	
Toluene*	<0.050	0.050	07/17/2025	ND	2.06	103	2.00	0.348	
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.12	106	2.00	1.06	
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.78	113	6.00	0.157	
Total BTEX	<0.300	0.300	07/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/17/2025	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	07/17/2025	ND	198	99.2	200	1.89	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	214	107	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 82.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.5 % 40.6-153

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 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received: 07/16/2025
 Reported: 07/22/2025
 Project Name: THISTLE UNIT 22 CBT 2 (185 H UNIT)
 Project Number: DEV- 25-016
 Project Location: THISTLE UNIT 22 CBT 2 (185 UNIT)

Sampling Date: 07/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HP- 2 - 6" (H254241-14)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2025	ND	2.15	107	2.00	2.23	
Toluene*	<0.050	0.050	07/17/2025	ND	2.06	103	2.00	0.348	
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.12	106	2.00	1.06	
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.78	113	6.00	0.157	
Total BTX	<0.300	0.300	07/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/17/2025	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	07/17/2025	ND	198	99.2	200	1.89	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	214	107	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 72.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.8 % 40.6-153

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Analytical Results For:

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 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received: 07/16/2025
 Reported: 07/22/2025
 Project Name: THISTLE UNIT 22 CBT 2 (185 H UNIT)
 Project Number: DEV- 25-016
 Project Location: THISTLE UNIT 22 CBT 2 (185 UNIT)

Sampling Date: 07/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HP- 3 - SS (H254241-15)

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	07/17/2025	ND	2.15	107	2.00	2.23		
Toluene*	<0.050	0.050	07/17/2025	ND	2.06	103	2.00	0.348		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.12	106	2.00	1.06		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.78	113	6.00	0.157		
Total BTEX	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 114 % 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	64.0	16.0	07/17/2025	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	07/17/2025	ND	198	99.2	200	1.89	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	214	107	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 76.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.8 % 40.6-153

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Analytical Results For:

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Received: 07/16/2025
 Reported: 07/22/2025
 Project Name: THISTLE UNIT 22 CBT 2 (185 H UNIT)
 Project Number: DEV- 25-016
 Project Location: THISTLE UNIT 22 CBT 2 (185 UNIT)

Sampling Date: 07/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HP- 4 - SS (H254241-16)

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	07/17/2025	ND	2.15	107	2.00	2.23	
Toluene*	<0.050	0.050	07/17/2025	ND	2.06	103	2.00	0.348	
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.12	106	2.00	1.06	
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.78	113	6.00	0.157	
Total BTEX	<0.300	0.300	07/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 113 % 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	80.0	16.0	07/17/2025	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	07/17/2025	ND	198	99.2	200	1.89	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	214	107	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 70.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Safety & Environmental Solutions
 ARMANDO AGUIRRE
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received: 07/16/2025
 Reported: 07/22/2025
 Project Name: THISTLE UNIT 22 CBT 2 (185 H UNIT)
 Project Number: DEV- 25-016
 Project Location: THISTLE UNIT 22 CBT 2 (185 UNIT)

Sampling Date: 07/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: HP- 5 - SS (H254241-17)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2025	ND	2.15	107	2.00	2.23	
Toluene*	<0.050	0.050	07/17/2025	ND	2.06	103	2.00	0.348	
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.12	106	2.00	1.06	
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.78	113	6.00	0.157	
Total BTX	<0.300	0.300	07/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/17/2025	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	07/17/2025	ND	198	99.2	200	1.89	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	214	107	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 72.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

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*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 20 of 21

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Name: Safety and Environmental Solutions		BILL TO		ANALYSIS REQUEST													
Project Manager: Armando Aguirre		P.O. #: 21635435															
Address: 703 East Clinton, PO Box 1813		Company: DEVON Energy															
City: Hobbs State: NM Zip: 88240		Attn:															
Phone #: 575 397-0510 Fax #: 575 393-4388		Address:															
Project #: DEV-25-016 Project Owner:		City:															
Project Name: Thistle Unit 22 CTB 2 (185 H Unit)		State: Zip:															
Project Location: Thistle Unit 22 CTB 2 (185 H Unit)		Phone #:															
Sampler Name: Emmer J Romo		Fax #:															
FOR LAB USE ONLY																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING								
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE	ICE / COOL	OTHER:	DATE	TIME	BTEX	TPH	CL
1	AH-1-6"	G	1		X					X			7-14-25	1:12	X	X	X
2	AH-2-6"	G	1		X					X			7-14-25	1:15			
3	AH-3-6"	G	1		X					X			7-14-25	1:17			
4	AH-4-6"	G	1		X					X			7-14-25	1:20			
5	AH-5-6"	G	1		X					X			7-14-25	1:23			
6	AH-6-6"	G	1		X					X			7-14-25	1:26			
7	AH-7-6"	G	1		X					X			7-14-25	1:28			
8	AH-8-6"	G	1		X					X			7-14-25	1:30			
9	AH-9-6"	G	1		X					X			7-14-25	1:32			
10	AH-10-6"	G	1		X					X			7-14-25	1:34	X	X	X

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Relinquished By:	Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Erick Villegas	7-16-25	[Signature]	Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:		
	Time:		aaguirre@sesi-nm.com		
			sbabb@sesi-nm.com		
			kywatson@sesi-nm.com		
			eromo@sesi-nm.com		
			srodriguez@sesi-nm.com		

Delivered By: (Circle One)	Sample Condition	CHECKED BY:
S-U-C/O-CB	Cool Intact	(Initials)
Sampler - UPS - Bus - Other:	<input type="checkbox"/> Yes <input type="checkbox"/> No	AR
S-U-C/O-CB	<input type="checkbox"/> Yes <input type="checkbox"/> No	



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 21 of 21

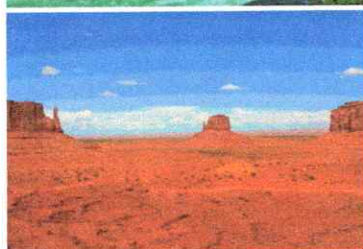
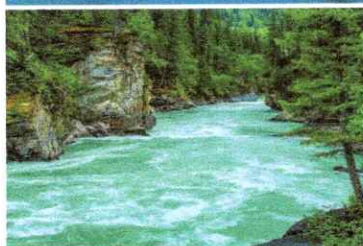
101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Name: Safety and Environmental Solutions		B/L # 10		ANALYSIS REQUEST													
Project Manager: Armando Aguirre		P.O. #: 21638435															
Address: 703 East Clinton, PO Box 1813		Company: Devon Energy															
City: Hobbs State: NM Zip: 88240		Attn:															
Phone #: 575 397-0510 Fax #: 575 393-4388		Address:															
Project #: DEV-25-016 Project Owner:		City:															
Project Name: This is unit 22 CTB 2 (185 H unit)		State: Zip:															
Project Location: This is unit 22 CTB 2 (185 H unit)		Phone #:															
Sampler Name: Emmer J Romo		Fax #:															
FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING											
Lab I.D.	Sample I.D.	(GRAB OR COMPOUND)	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL:	OTHER:	DATE	TIME	BTEX	TPH	CL
12	AH-11-6"	G	1		X					X			7-14-25	1:37	X	X	X
12	AH-12-6"	G	1		X					X			7-14-25	1:40	X	X	X
13	HP-1-6"	G	1		X					X			7-14-25	1:43	X	X	X
14	HP-2-6"	G	1		X					X			7-14-25	2:30	X	X	X
15	HP-3-SS	G	1		X					X			7-14-25	2:35	X	X	X
16	HP-4-SS	G	1		X					X			7-14-25	2:39	X	X	X
17	HP-5-SS	G	1		X					X			7-14-25	2:47	X	X	X
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Relinquished By:		Date: 7/14/25		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:									
Erica Villegas		Time: 11:58		Chapman		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:									
Relinquished By:		Date:		Received By:		REMARKS:											
		Time:				aaguirre@sesi-nm.com											
						sbabb@sesi-nm.com											
						kywatson@sesi-nm.com											
						eromo@sesi-nm.com											
						srodriguez@sesi-nm.com											
Delivered By: (Circle One) S-U / C+3-				Sample Condition Cool Intact		CHECKED BY: (Initials)											
Sampler - UPS - Bus - Other: S-7 / #140				A Yes B No		AR											

Report to:

Leslie Mendenhall



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Safety & Environmental Solutions

Project Name: Thistle Unit 22 CTB 2 (185H)

Work Order: E509184

Job Number: 01058-0007

Received: 9/18/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/24/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/24/25

Leslie Mendenhall
1501 W Bender Blvd
Hobbs, NM 88240



Project Name: Thistle Unit 22 CTB 2 (185H)
Workorder: E509184
Date Received: 9/18/2025 7:45:00AM

Leslie Mendenhall,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/18/2025 7:45:00AM, under the Project Name: Thistle Unit 22 CTB 2 (185H).

The analytical test results summarized in this report with the Project Name: Thistle Unit 22 CTB 2 (185H) apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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mgonzaless@envirotech-inc.com

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Sample Summary

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185H) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 09/24/25 09:21
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH-1-S	E509184-01A	Soil	09/10/25	09/18/25	Glass Jar, 2 oz.
BH-2-S	E509184-02A	Soil	09/10/25	09/18/25	Glass Jar, 2 oz.
BH-3-S	E509184-03A	Soil	09/10/25	09/18/25	Glass Jar, 2 oz.
BH-4-S	E509184-04A	Soil	09/10/25	09/18/25	Glass Jar, 2 oz.



Sample Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185H) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 9/24/2025 9:21:13AM
---	--	----------------------------------

BH-1-S

E509184-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	09/18/25	09/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	09/18/25	09/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2538094
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/18/25	
Surrogate: n-Nonane		89.0 %	61-141	09/18/25	09/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2538102
Chloride	1800	20.0	1	09/18/25	09/19/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185H)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
9/24/2025 9:21:13AM

BH-2-S

E509184-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
Surrogate: 4-Bromochlorobenzene-PID	98.6 %	70-130		09/18/25	09/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	102 %	70-130		09/18/25	09/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2538094
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/18/25	
Surrogate: n-Nonane	86.3 %	61-141		09/18/25	09/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2538102
Chloride	1870	20.0	1	09/18/25	09/19/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185H)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
9/24/2025 9:21:13AM

BH-3-S

E509184-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
Surrogate: 4-Bromochlorobenzene-PID	99.8 %	70-130		09/18/25	09/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.9 %	70-130		09/18/25	09/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2538094
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/18/25	
Surrogate: n-Nonane	89.1 %	61-141		09/18/25	09/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2538102
Chloride	4950	40.0	2	09/18/25	09/19/25	



Sample Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185H) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 9/24/2025 9:21:13AM
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BH-4-S

E509184-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
Surrogate: 4-Bromochlorobenzene-PID	96.3 %	70-130		09/18/25	09/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2538096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	103 %	70-130		09/18/25	09/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2538094
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/18/25	
Surrogate: n-Nonane	88.8 %	61-141		09/18/25	09/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2538102
Chloride	6090	100	5	09/18/25	09/19/25	



QC Summary Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185H) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 9/24/2025 9:21:13AM
---	--	----------------------------------

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2538096-BLK1)

Prepared: 09/18/25 Analyzed: 09/19/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130			

LCS (2538096-BS1)

Prepared: 09/18/25 Analyzed: 09/19/25

Benzene	4.86	0.0250	5.00		97.2	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.2	70-130			
Toluene	4.96	0.0250	5.00		99.2	70-130			
o-Xylene	4.98	0.0250	5.00		99.5	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.8	70-130			

Matrix Spike (2538096-MS1)

Source: E509185-04

Prepared: 09/18/25 Analyzed: 09/19/25

Benzene	4.76	0.0250	5.00	ND	95.2	70-130			
Ethylbenzene	4.85	0.0250	5.00	ND	97.0	70-130			
Toluene	4.85	0.0250	5.00	ND	97.0	70-130			
o-Xylene	4.91	0.0250	5.00	ND	98.2	70-130			
p,m-Xylene	9.86	0.0500	10.0	ND	98.6	70-130			
Total Xylenes	14.8	0.0250	15.0	ND	98.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.7	70-130			

Matrix Spike Dup (2538096-MSD1)

Source: E509185-04

Prepared: 09/18/25 Analyzed: 09/19/25

Benzene	4.48	0.0250	5.00	ND	89.6	70-130	6.04	27	
Ethylbenzene	4.57	0.0250	5.00	ND	91.3	70-130	6.02	26	
Toluene	4.57	0.0250	5.00	ND	91.4	70-130	5.94	20	
o-Xylene	4.67	0.0250	5.00	ND	93.3	70-130	5.03	25	
p,m-Xylene	9.32	0.0500	10.0	ND	93.2	70-130	5.71	23	
Total Xylenes	14.0	0.0250	15.0	ND	93.2	70-130	5.49	26	
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	70-130			



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185H)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	9/24/2025 9:21:13AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2538096-BLK1)

Prepared: 09/18/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.08		8.00		101	70-130			

LCS (2538096-BS2)

Prepared: 09/18/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.18		8.00		102	70-130			

Matrix Spike (2538096-MS2)

Source: E509185-04

Prepared: 09/18/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.2	70-130			

Matrix Spike Dup (2538096-MSD2)

Source: E509185-04

Prepared: 09/18/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0	ND	104	70-130	18.2	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.13		8.00		102	70-130			



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185H)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	9/24/2025 9:21:13AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2538094-BLK1)

Prepared: 09/18/25 Analyzed: 09/18/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.2		50.0		84.3	61-141			

LCS (2538094-BS1)

Prepared: 09/18/25 Analyzed: 09/18/25

Diesel Range Organics (C10-C28)	219	25.0	250		87.4	66-144			
Surrogate: n-Nonane	43.1		50.0		86.1	61-141			

Matrix Spike (2538094-MS1)

Source: E509184-04

Prepared: 09/18/25 Analyzed: 09/18/25

Diesel Range Organics (C10-C28)	226	25.0	250	ND	90.2	56-156			
Surrogate: n-Nonane	43.8		50.0		87.5	61-141			

Matrix Spike Dup (2538094-MSD1)

Source: E509184-04

Prepared: 09/18/25 Analyzed: 09/18/25

Diesel Range Organics (C10-C28)	231	25.0	250	ND	92.5	56-156	2.50	20	
Surrogate: n-Nonane	44.8		50.0		89.6	61-141			



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185H)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	9/24/2025 9:21:13AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2538102-BLK1)

Prepared: 09/18/25 Analyzed: 09/19/25

Chloride ND 20.0

LCS (2538102-BS1)

Prepared: 09/18/25 Analyzed: 09/19/25

Chloride 251 20.0 250 100 90-110

Matrix Spike (2538102-MS1)

Source: E509184-04

Prepared: 09/18/25 Analyzed: 09/19/25

Chloride 6410 100 250 6090 129 80-120 M4

Matrix Spike Dup (2538102-MSD1)

Source: E509184-04

Prepared: 09/18/25 Analyzed: 09/19/25

Chloride 6330 100 250 6090 94.7 80-120 1.34 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185H)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
09/24/25 09:21

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Chain of Custody

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: Safety & Environmental Solutions				Company: <u>Devon Energy</u>		Lab WO# <u>EE09184</u> Job Number <u>61058-0007</u>		1D 2D 3D Std		NM CO UT TX								
Project Name: <u>Thistle Unit Z2 CTR 2</u>				Address:														
Project Manager: <u>Leslie Mendenhall (10511)</u>				City, State, Zip:														
Address: <u>1501 W Bender Blvd</u>				Phone:														
City, State, Zip: <u>Hobbs, NM 88240</u>				Email:														
Phone: <u>(575) 973-5675 or (575) 397-0510</u>				Miscellaneous:														
Email: <u>lmendenhall@sesi-nm.com</u>				<u>THISTLE UNIT Z2 CTR 2 11857</u>														
				<u>DEVON WO# 211032435</u>														
Sample Information				Analysis and Method														
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DETO/DO by 8015	GRU/DRU by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TC13 J008 - TX	RCRA 8 Metals	INDOX - NM	PCOCC - TX	SDWA	CWA	RCRA
2:43	9/10/25	S	1	BH-1-S	S	1	X	X	X	X								
2:29	9/10/25	S	1	BH-2-S	S	2	X	X	X	X								
10:34	9/10/25	S	1	BH-3-S	S	3	X	X	X	X								
1:56	9/10/25	S	1	BH-4-S	S	4	X	X	X	X								
Additional Instructions: email results to: <u>emma.rome@sesi-nm.com</u> <u>ag94sm@sesi.com</u> <u>lmendenhall@sesi-nm.com</u>																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: <u>Emma J Rome</u>																		
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>CN</u>						
<u>Leslie Mendenhall</u>		9/17/25		1:39pm		<u>Yulius Enye</u>		9-17-25		1339								
<u>Michelle Gonzales</u>		9-17-25		1545		<u>Marissa Gonzales</u>		9-17-25		1545								
<u>Marissa Gonzales</u>		9-17-25		1925		<u>Andrew Musso</u>		9-17-25		1925								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
<u>Andrew Musso</u>		9-17-25		2345		<u>Carlyle Maso</u>		9-18-25		745								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Envirotech Analytical Laboratory

Printed: 9/18/2025 10:42:29AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Safety & Environmental Solutions

Date Received: 09/18/25 07:45

Work Order ID: E509184

Phone: (575) 397-0510

Date Logged In: 09/18/25 09:14

Logged In By: Caitlin Mars

Email: lmendenhall@scsi-nm.com

Due Date: 09/24/25 17:00 (4 day TAT)

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: COURIERComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

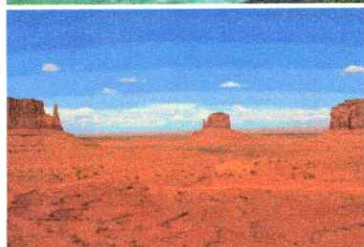
Date



envirotech Inc.

Report to:

Leslie Mendenhall



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Safety & Environmental Solutions

Project Name: Thistle Unit 22 CTB 2 (185H)

Work Order: E509179

Job Number: 01058-0007

Received: 9/18/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/24/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/24/25

Leslie Mendenhall
1501 W Bender Blvd
Hobbs, NM 88240



Project Name: Thistle Unit 22 CTB 2 (185H)
Workorder: E509179
Date Received: 9/18/2025 7:45:00AM

Leslie Mendenhall,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/18/2025 7:45:00AM, under the Project Name: Thistle Unit 22 CTB 2 (185H).

The analytical test results summarized in this report with the Project Name: Thistle Unit 22 CTB 2 (185H) apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name:	Thistle Unit 22 CTB 2 (185H)	Reported: 09/24/25 09:10
	Project Number:	01058-0007	
	Project Manager:	Leslie Mendenhall	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BF-1	E509179-01A	Soil	09/16/25	09/18/25	Glass Jar, 2 oz.



Sample Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185H) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 9/24/2025 9:10:49AM
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BF-1

E509179-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2538088
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
Surrogate: 4-Bromochlorobenzene-PID	92.8 %	70-130		09/18/25	09/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2538088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.1 %	70-130		09/18/25	09/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2538086
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/25	09/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/25	09/19/25	
Surrogate: n-Nonane	90.0 %	61-141		09/18/25	09/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2538102
Chloride	29.2	20.0	1	09/18/25	09/19/25	



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185H)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	9/24/2025 9:10:49AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2538088-BLK1)

Prepared: 09/18/25 Analyzed: 09/19/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.7	70-130			

LCS (2538088-BS1)

Prepared: 09/18/25 Analyzed: 09/19/25

Benzene	4.52	0.0250	5.00		90.4	70-130			
Ethylbenzene	4.51	0.0250	5.00		90.1	70-130			
Toluene	4.55	0.0250	5.00		91.1	70-130			
o-Xylene	4.58	0.0250	5.00		91.6	70-130			
p,m-Xylene	9.11	0.0500	10.0		91.1	70-130			
Total Xylenes	13.7	0.0250	15.0		91.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.42		8.00		92.7	70-130			

Matrix Spike (2538088-MS1)

Source: E509179-01

Prepared: 09/18/25 Analyzed: 09/19/25

Benzene	3.88	0.0250	5.00	ND	77.6	70-130			
Ethylbenzene	3.85	0.0250	5.00	ND	77.0	70-130			
Toluene	3.90	0.0250	5.00	ND	77.9	70-130			
o-Xylene	3.96	0.0250	5.00	ND	79.2	70-130			
p,m-Xylene	7.82	0.0500	10.0	ND	78.2	70-130			
Total Xylenes	11.8	0.0250	15.0	ND	78.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.8	70-130			

Matrix Spike Dup (2538088-MSD1)

Source: E509179-01

Prepared: 09/18/25 Analyzed: 09/19/25

Benzene	4.24	0.0250	5.00	ND	84.8	70-130	8.86	27	
Ethylbenzene	4.21	0.0250	5.00	ND	84.3	70-130	9.06	26	
Toluene	4.27	0.0250	5.00	ND	85.3	70-130	9.08	20	
o-Xylene	4.32	0.0250	5.00	ND	86.3	70-130	8.63	25	
p,m-Xylene	8.53	0.0500	10.0	ND	85.3	70-130	8.76	23	
Total Xylenes	12.8	0.0250	15.0	ND	85.7	70-130	8.72	26	
Surrogate: 4-Bromochlorobenzene-PID	7.27		8.00		90.9	70-130			



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185H)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	9/24/2025 9:10:49AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2538088-BLK1)

Prepared: 09/18/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		90.9	70-130			

LCS (2538088-BS2)

Prepared: 09/18/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			

Matrix Spike (2538088-MS2)

Source: E509179-01

Prepared: 09/18/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	49.2	20.0	50.0	ND	98.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		8.00		88.2	70-130			

Matrix Spike Dup (2538088-MSD2)

Source: E509179-01

Prepared: 09/18/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0	ND	90.9	70-130	7.98	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			



QC Summary Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185H) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 9/24/2025 9:10:49AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2538086-BLK1)

Prepared: 09/18/25 Analyzed: 09/18/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.9		50.0		97.9	61-141			

LCS (2538086-BS1)

Prepared: 09/18/25 Analyzed: 09/18/25

Diesel Range Organics (C10-C28)	255	25.0	250		102	66-144			
Surrogate: n-Nonane	48.6		50.0		97.1	61-141			

Matrix Spike (2538086-MS1)

Source: E509163-03

Prepared: 09/18/25 Analyzed: 09/18/25

Diesel Range Organics (C10-C28)	278	25.0	250	35.5	96.8	56-156			
Surrogate: n-Nonane	49.6		50.0		99.2	61-141			

Matrix Spike Dup (2538086-MSD1)

Source: E509163-03

Prepared: 09/18/25 Analyzed: 09/18/25

Diesel Range Organics (C10-C28)	272	25.0	250	35.5	94.7	56-156	1.93	20	
Surrogate: n-Nonane	47.5		50.0		94.9	61-141			



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185H)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	9/24/2025 9:10:49AM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2538102-BLK1)

Prepared: 09/18/25 Analyzed: 09/19/25

Chloride ND 20.0

LCS (2538102-BS1)

Prepared: 09/18/25 Analyzed: 09/19/25

Chloride 251 20.0 250 100 90-110

Matrix Spike (2538102-MS1)

Source: E509184-04

Prepared: 09/18/25 Analyzed: 09/19/25

Chloride 6410 100 250 6090 129 80-120

M4

Matrix Spike Dup (2538102-MSD1)

Source: E509184-04

Prepared: 09/18/25 Analyzed: 09/19/25

Chloride 6330 100 250 6090 94.7 80-120 1.34 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185H)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
09/24/25 09:10

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Chain of Custody

Page 1 of 1

[illegible]

Envirotech Analytical Laboratory

Printed: 9/18/2025 10:34:13AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Safety & Environmental Solutions

Date Received: 09/18/25 07:45

Work Order ID: E509179

Phone: (575) 397-0510

Date Logged In: 09/18/25 09:03

Logged In By: Caitlin Mars

Email: lmendenhall@scsi-nm.com

Due Date: 09/24/25 17:00 (4 day TAT)

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: COURIERComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:

Leslie Mendenhall



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Safety & Environmental Solutions

Project Name: NORTH THISTLE UNIT 22 CTB 2

Work Order: E509234

Job Number: 01058-0007

Received: 9/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/24/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/24/25

Leslie Mendenhall
1501 W Bender Blvd
Hobbs, NM 88240



Project Name: NORTH THISTLE UNIT 22 CTB 2
Workorder: E509234
Date Received: 9/23/2025 5:30:10AM

Leslie Mendenhall,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/23/2025 5:30:10AM, under the Project Name: NORTH THISTLE UNIT 22 CTB 2.

The analytical test results summarized in this report with the Project Name: NORTH THISTLE UNIT 22 CTB 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name:	NORTH THISTLE UNIT 22 CTB 2	Reported: 09/24/25 15:09
	Project Number:	01058-0007	
	Project Manager:	Leslie Mendenhall	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH-1-3'	E509234-01A	Soil	09/19/25	09/23/25	Glass Jar, 2 oz.
BH-2-3'	E509234-02A	Soil	09/19/25	09/23/25	Glass Jar, 2 oz.
BH-3-3'	E509234-03A	Soil	09/19/25	09/23/25	Glass Jar, 2 oz.
BH-4-3'	E509234-04A	Soil	09/19/25	09/23/25	Glass Jar, 2 oz.



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: NORTH THISTLE UNIT 22 CTB 2
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
9/24/2025 3:09:59PM

BH-1-3'

E509234-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2539044	
Benzene	ND	0.0250	1	09/23/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/23/25	09/23/25	
Toluene	ND	0.0250	1	09/23/25	09/23/25	
o-Xylene	ND	0.0250	1	09/23/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/23/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/23/25	09/23/25	
Surrogate: 4-Bromochlorobenzene-PID	93.1 %		70-130	09/23/25	09/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2539044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/23/25	09/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	80.2 %		70-130	09/23/25	09/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2539058	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/25	09/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/25	09/23/25	
Surrogate: n-Nonane	102 %		61-141	09/23/25	09/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2539046	
Chloride	2200	20.0	1	09/23/25	09/23/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: NORTH THISTLE UNIT 22 CTB 2
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
9/24/2025 3:09:59PM

BH-2-3'

E509234-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2539044
Benzene	ND	0.0250	1	09/23/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/23/25	09/23/25	
Toluene	ND	0.0250	1	09/23/25	09/23/25	
o-Xylene	ND	0.0250	1	09/23/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/23/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/23/25	09/23/25	
Surrogate: 4-Bromochlorobenzene-PID		92.0 %	70-130	09/23/25	09/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2539044
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/23/25	09/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.1 %	70-130	09/23/25	09/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539058
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/25	09/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/25	09/23/25	
Surrogate: n-Nonane		102 %	61-141	09/23/25	09/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2539046
Chloride	159	20.0	1	09/23/25	09/23/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: NORTH THISTLE UNIT 22 CTB 2
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
9/24/2025 3:09:59PM

BH-3-3'

E509234-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2539044
Benzene	ND	0.0250	1	09/23/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/23/25	09/23/25	
Toluene	ND	0.0250	1	09/23/25	09/23/25	
o-Xylene	ND	0.0250	1	09/23/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/23/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/23/25	09/23/25	
Surrogate: 4-Bromochlorobenzene-PID	95.1 %	70-130		09/23/25	09/23/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2539044
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/23/25	09/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.0 %	70-130		09/23/25	09/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2539058
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/25	09/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/25	09/23/25	
Surrogate: n-Nonane	102 %	61-141		09/23/25	09/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2539046
Chloride	76.7	20.0	1	09/23/25	09/23/25	



Sample Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: NORTH THISTLE UNIT 22 CTB 2 Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 9/24/2025 3:09:59PM
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BH-4-3'

E509234-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2539044
Benzene	ND	0.0250	1	09/23/25	09/23/25	
Ethylbenzene	ND	0.0250	1	09/23/25	09/23/25	
Toluene	ND	0.0250	1	09/23/25	09/23/25	
o-Xylene	ND	0.0250	1	09/23/25	09/23/25	
p,m-Xylene	ND	0.0500	1	09/23/25	09/23/25	
Total Xylenes	ND	0.0250	1	09/23/25	09/23/25	
Surrogate: 4-Bromochlorobenzene-PID	94.4 %	70-130		09/23/25	09/23/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2539044
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/23/25	09/23/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.6 %	70-130		09/23/25	09/23/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2539058
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/25	09/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/25	09/23/25	
Surrogate: n-Nonane	100 %	61-141		09/23/25	09/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY		Batch: 2539046
Chloride	648	20.0	1	09/23/25	09/23/25	



QC Summary Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: NORTH THISTLE UNIT 22 CTB 2 Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 9/24/2025 3:09:59PM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2539044-BLK1)

Prepared: 09/22/25 Analyzed: 09/22/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	70-130			

LCS (2539044-BS1)

Prepared: 09/22/25 Analyzed: 09/22/25

Benzene	5.55	0.0250	5.00		111	70-130			
Ethylbenzene	5.50	0.0250	5.00		110	70-130			
Toluene	5.51	0.0250	5.00		110	70-130			
o-Xylene	5.43	0.0250	5.00		109	70-130			
p,m-Xylene	11.1	0.0500	10.0		111	70-130			
Total Xylenes	16.5	0.0250	15.0		110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			

Matrix Spike (2539044-MS1)

Source: E509236-05

Prepared: 09/22/25 Analyzed: 09/23/25

Benzene	5.59	0.0250	5.00	0.0303	111	70-130			
Ethylbenzene	5.88	0.0250	5.00	0.415	109	70-130			
Toluene	7.69	0.0250	5.00	2.24	109	70-130			
o-Xylene	5.74	0.0250	5.00	0.281	109	70-130			
p,m-Xylene	12.4	0.0500	10.0	1.53	109	70-130			
Total Xylenes	18.2	0.0250	15.0	1.81	109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.04		8.00		101	70-130			

Matrix Spike Dup (2539044-MSD1)

Source: E509236-05

Prepared: 09/22/25 Analyzed: 09/23/25

Benzene	5.46	0.0250	5.00	0.0303	109	70-130	2.28	27	
Ethylbenzene	5.73	0.0250	5.00	0.415	106	70-130	2.61	26	
Toluene	7.22	0.0250	5.00	2.24	99.8	70-130	6.20	20	
o-Xylene	5.60	0.0250	5.00	0.281	106	70-130	2.39	25	
p,m-Xylene	12.1	0.0500	10.0	1.53	106	70-130	2.68	23	
Total Xylenes	17.7	0.0250	15.0	1.81	106	70-130	2.59	26	
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.3	70-130			



QC Summary Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: NORTH THISTLE UNIT 22 CTB 2 Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 9/24/2025 3:09:59PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2539044-BLK1)

Prepared: 09/22/25 Analyzed: 09/22/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			

LCS (2539044-BS2)

Prepared: 09/22/25 Analyzed: 09/22/25

Gasoline Range Organics (C6-C10)	52.0	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			

Matrix Spike (2539044-MS2)

Source: E509236-05

Prepared: 09/22/25 Analyzed: 09/23/25

Gasoline Range Organics (C6-C10)	147	20.0	50.0	90.9	113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.94		8.00		99.2	70-130			

Matrix Spike Dup (2539044-MSD2)

Source: E509236-05

Prepared: 09/22/25 Analyzed: 09/23/25

Gasoline Range Organics (C6-C10)	132	20.0	50.0	90.9	82.4	70-130	11.0	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			



QC Summary Data

Safety & Environmental Solutions	Project Name:	NORTH THISTLE UNIT 22 CTB 2	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	9/24/2025 3:09:59PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2539058-BLK1)

Prepared: 09/23/25 Analyzed: 09/23/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.8		50.0		95.7	61-141			

LCS (2539058-BS1)

Prepared: 09/23/25 Analyzed: 09/23/25

Diesel Range Organics (C10-C28)	262	25.0	250		105	66-144			
Surrogate: n-Nonane	48.3		50.0		96.5	61-141			

Matrix Spike (2539058-MS1)

Source: E509209-70

Prepared: 09/23/25 Analyzed: 09/23/25

Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	56-156			
Surrogate: n-Nonane	50.0		50.0		100	61-141			

Matrix Spike Dup (2539058-MSD1)

Source: E509209-70

Prepared: 09/23/25 Analyzed: 09/23/25

Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	56-156	4.21	20	
Surrogate: n-Nonane	52.4		50.0		105	61-141			



QC Summary Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: NORTH THISTLE UNIT 22 CTB 2 Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 9/24/2025 3:09:59PM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2539046-BLK1)									
Chloride	ND	20.0							Prepared: 09/23/25 Analyzed: 09/23/25
LCS (2539046-BS1)									
Chloride	251	20.0	250		100	90-110			Prepared: 09/23/25 Analyzed: 09/23/25
Matrix Spike (2539046-MS1)									
				Source: E509233-01					Prepared: 09/23/25 Analyzed: 09/23/25
Chloride	376	100	250	121	102	80-120			
Matrix Spike Dup (2539046-MSD1)									
				Source: E509233-01					Prepared: 09/23/25 Analyzed: 09/23/25
Chloride	368	100	250	121	98.4	80-120	2.22	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: NORTH THISTLE UNIT 22 CTB 2
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
09/24/25 15:09

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Chain of Custody

Page 1 of 1[illegible]

Envirotech Analytical Laboratory

Printed: 9/23/2025 9:15:32AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Safety & Environmental Solutions	Date Received:	09/23/25 05:30	Work Order ID:	E509234
Phone:	(575) 397-0510	Date Logged In:	09/22/25 16:07	Logged In By:	Noe Soto
Email:	lmendenhall@sesi-nm.com	Due Date:	09/24/25 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: COURIER

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:

Leslie Mendenhall



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Safety & Environmental Solutions

Project Name: Thistle Unit 22 CTB 2 (185H)

Work Order: E510024

Job Number: 01058-0007

Received: 10/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/6/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/6/25

Leslie Mendenhall
1501 W Bender Blvd
Hobbs, NM 88240



Project Name: Thistle Unit 22 CTB 2 (185H)
Workorder: E510024
Date Received: 10/3/2025 7:00:00AM

Leslie Mendenhall,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2025 7:00:00AM, under the Project Name: Thistle Unit 22 CTB 2 (185H).

The analytical test results summarized in this report with the Project Name: Thistle Unit 22 CTB 2 (185H) apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name:	Thistle Unit 22 CTB 2 (185H)	Reported: 10/06/25 14:58
	Project Number:	01058-0007	
	Project Manager:	Leslie Mendenhall	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH-4-4'	E510024-01A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.
BH-1-4'	E510024-02A	Soil	10/01/25	10/03/25	Glass Jar, 2 oz.



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185H)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/6/2025 2:58:02PM

BH-4-4'

E510024-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: BA		Batch: 2540119
Benzene	ND	0.0250	1	10/03/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/03/25	
Toluene	ND	0.0250	1	10/03/25	10/03/25	
o-Xylene	ND	0.0250	1	10/03/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/03/25	
Surrogate: 4-Bromochlorobenzene-PID		124 %	70-130	10/03/25	10/03/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2540119
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	10/03/25	10/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KH		Batch: 2540115
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/25	10/03/25	
Surrogate: n-Nonane		105 %	61-141	10/03/25	10/03/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2540117
Chloride	165	20.0	1	10/03/25	10/03/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185H)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/6/2025 2:58:02PM

BH-1-4'

E510024-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2540119
Benzene	ND	0.0250	1	10/03/25	10/03/25	
Ethylbenzene	ND	0.0250	1	10/03/25	10/03/25	
Toluene	ND	0.0250	1	10/03/25	10/03/25	
o-Xylene	ND	0.0250	1	10/03/25	10/03/25	
p,m-Xylene	ND	0.0500	1	10/03/25	10/03/25	
Total Xylenes	ND	0.0250	1	10/03/25	10/03/25	
Surrogate: 4-Bromochlorobenzene-PID		126 %	70-130	10/03/25	10/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2540119
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/25	10/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	10/03/25	10/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2540115
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/25	10/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/25	10/03/25	
Surrogate: n-Nonane		93.0 %	61-141	10/03/25	10/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2540117
Chloride	51.7	20.0	1	10/03/25	10/03/25	



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185H)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	10/6/2025 2:58:02PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540119-BLK1)

Prepared: 10/03/25 Analyzed: 10/03/25

Benzene	ND	0.0250
Ethylbenzene	ND	0.0250
Toluene	ND	0.0250
o-Xylene	ND	0.0250
p,m-Xylene	ND	0.0500
Total Xylenes	ND	0.0250

Surrogate: 4-Bromochlorobenzene-PID	9.85	8.00	123	70-130
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LCS (2540119-BS1)

Prepared: 10/03/25 Analyzed: 10/03/25

Benzene	3.98	0.0250	5.00	79.6	70-130
Ethylbenzene	4.06	0.0250	5.00	81.2	70-130
Toluene	4.01	0.0250	5.00	80.2	70-130
o-Xylene	4.17	0.0250	5.00	83.3	70-130
p,m-Xylene	8.26	0.0500	10.0	82.6	70-130
Total Xylenes	12.4	0.0250	15.0	82.9	70-130

Surrogate: 4-Bromochlorobenzene-PID	9.94	8.00	124	70-130
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Matrix Spike (2540119-MS1)

Source: E510023-22

Prepared: 10/03/25 Analyzed: 10/03/25

Benzene	4.18	0.0250	5.00	ND	83.6	70-130
Ethylbenzene	4.23	0.0250	5.00	ND	84.7	70-130
Toluene	4.20	0.0250	5.00	ND	84.0	70-130
o-Xylene	4.39	0.0250	5.00	ND	87.9	70-130
p,m-Xylene	8.62	0.0500	10.0	ND	86.2	70-130
Total Xylenes	13.0	0.0250	15.0	ND	86.7	70-130

Surrogate: 4-Bromochlorobenzene-PID	9.84	8.00	123	70-130
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Matrix Spike Dup (2540119-MSD1)

Source: E510023-22

Prepared: 10/03/25 Analyzed: 10/03/25

Benzene	3.64	0.0250	5.00	ND	72.9	70-130	13.8	27
Ethylbenzene	3.65	0.0250	5.00	ND	72.9	70-130	14.9	26
Toluene	3.63	0.0250	5.00	ND	72.6	70-130	14.5	20
o-Xylene	3.82	0.0250	5.00	ND	76.4	70-130	13.9	25
p,m-Xylene	7.46	0.0500	10.0	ND	74.6	70-130	14.4	23
Total Xylenes	11.3	0.0250	15.0	ND	75.2	70-130	14.2	26

Surrogate: 4-Bromochlorobenzene-PID	9.72	8.00	121	70-130
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QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185H)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	10/6/2025 2:58:02PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540119-BLK1)

Prepared: 10/03/25 Analyzed: 10/03/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.00		8.00		100	70-130			

LCS (2540119-BS2)

Prepared: 10/03/25 Analyzed: 10/03/25

Gasoline Range Organics (C6-C10)	50.0	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.10		8.00		101	70-130			

Matrix Spike (2540119-MS2)

Source: E510023-22

Prepared: 10/03/25 Analyzed: 10/03/25

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.20		8.00		102	70-130			

Matrix Spike Dup (2540119-MSD2)

Source: E510023-22

Prepared: 10/03/25 Analyzed: 10/03/25

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130	8.57	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.11		8.00		101	70-130			



QC Summary Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185H) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 10/6/2025 2:58:02PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2540115-BLK1)

Prepared: 10/03/25 Analyzed: 10/03/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	45.1		50.0		90.3	61-141			

LCS (2540115-BS1)

Prepared: 10/03/25 Analyzed: 10/03/25

Diesel Range Organics (C10-C28)	223	25.0	250		89.1	66-144			
Surrogate: <i>n</i> -Nonane	43.1		50.0		86.2	61-141			

Matrix Spike (2540115-MS1)

Source: E510023-21

Prepared: 10/03/25 Analyzed: 10/03/25

Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.7	56-156			
Surrogate: <i>n</i> -Nonane	48.2		50.0		96.4	61-141			

Matrix Spike Dup (2540115-MSD1)

Source: E510023-21

Prepared: 10/03/25 Analyzed: 10/03/25

Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	56-156	7.81	20	
Surrogate: <i>n</i> -Nonane	51.5		50.0		103	61-141			



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185H)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	10/6/2025 2:58:02PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2540117-BLK1)									
Chloride	ND	20.0							Prepared: 10/03/25 Analyzed: 10/03/25
LCS (2540117-BS1)									
Chloride	254	20.0	250		102	90-110			Prepared: 10/03/25 Analyzed: 10/03/25
Matrix Spike (2540117-MS1)									
Chloride	253	20.0	250	Source: E510023-21 ND	101	80-120			Prepared: 10/03/25 Analyzed: 10/03/25
Matrix Spike Dup (2540117-MSD1)									
Chloride	255	20.0	250	Source: E510023-21 ND	102	80-120	0.871	20	Prepared: 10/03/25 Analyzed: 10/03/25

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185H)	
1501 W Bender Blvd	Project Number:	01058-0007	Reported:
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	10/06/25 14:58

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Chain of Custody

Page 1 of 1

[illegible]

Envirotech Analytical Laboratory

Printed: 10/3/2025 11:10:22AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Safety & Environmental Solutions

Date Received: 10/03/25 07:00

Work Order ID: E510024

Phone: (575) 397-0510

Date Logged In: 10/02/25 15:10

Logged In By: Caitlin Mars

Email: lmendenhall@sesi-nm.com

Due Date: 10/06/25 17:00 (1 day TAT)

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: COURIER

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:

Sample ID? Yes

Date/Time Collected? Yes

Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client InstructionComments/Resolution

Visible white out present on COC.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:

Leslie Mendenhall



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Safety & Environmental Solutions

Project Name: Thistle Unit 22 CTB 2 (185)

Work Order: E510234

Job Number: 01058-0007

Received: 10/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/23/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/23/25

Leslie Mendenhall
1501 W Bender Blvd
Hobbs, NM 88240



Project Name: Thistle Unit 22 CTB 2 (185)
Workorder: E510234
Date Received: 10/21/2025 8:00:00AM

Leslie Mendenhall,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/21/2025 8:00:00AM, under the Project Name: Thistle Unit 22 CTB 2 (185).

The analytical test results summarized in this report with the Project Name: Thistle Unit 22 CTB 2 (185) apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:

10/23/25 14:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
AH1-6"	E510234-01A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
AH2-2'	E510234-02A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
AH3-6"	E510234-03A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
AH4-6"	E510234-04A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
AH5-2'	E510234-05A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
AH6-2'	E510234-06A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
AH7-2'	E510234-07A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
AH8-6"	E510234-08A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
AH9-1'	E510234-09A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
AH10-6"	E510234-10A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
AH11-6"	E510234-11A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
AH12-6"	E510234-12A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
AH13-6"	E510234-13A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
AH14-6"	E510234-14A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
AH15-6"	E510234-15A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
AH16-6"	E510234-16A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
SS1-S	E510234-17A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
SS2-S	E510234-18A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
HP1-S	E510234-19A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
HP2-S	E510234-20A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
HP3-S	E510234-21A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
HP4-S	E510234-22A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
HP5-S	E510234-23A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
HP6-S	E510234-24A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
HP7-S	E510234-25A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
HP8-S	E510234-26A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
HP9-S	E510234-27A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
HP10-S	E510234-28A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
HP11-S	E510234-29A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.
HP12-S	E510234-30A	Soil	10/17/25	10/21/25	Glass Jar, 2 oz.



Sample Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 10/23/2025 2:47:54PM
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AH1-6"

E510234-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2543033
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID	96.2 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2543033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.3 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2543026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane	100 %	61-141		10/21/25	10/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2543040
Chloride	5970	100	5	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 10/23/2025 2:47:54PM
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AH2-2'

E510234-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID	94.9 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.0 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2543026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane	96.4 %	61-141		10/21/25	10/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2543040
Chloride	39.4	20.0	1	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 10/23/2025 2:47:54PM
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AH3-6"

E510234-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID	95.8 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	85.8 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2543026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane	96.6 %	61-141		10/21/25	10/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2543040
Chloride	7140	100	5	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 10/23/2025 2:47:54PM
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AH4-6"

E510234-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2543033	
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID	92.5 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2543033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.5 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2543026	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane	96.0 %	61-141		10/21/25	10/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2543040	
Chloride	1890	20.0	1	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/23/2025 2:47:54PM

AH5-2'

E510234-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID	95.2 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.6 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2543026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane	94.6 %	61-141		10/21/25	10/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2543040
Chloride	413	20.0	1	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 10/23/2025 2:47:54PM
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AH6-2'

E510234-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID	96.2 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	85.9 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2543026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane	93.1 %	61-141		10/21/25	10/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2543040
Chloride	ND	20.0	1	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/23/2025 2:47:54PM

AH7-2'

E510234-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID	92.6 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.2 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2543026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane	95.7 %	61-141		10/21/25	10/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2543040
Chloride	20.8	20.0	1	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/23/2025 2:47:54PM

AH8-6"

E510234-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID	94.3 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.9 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2543026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane	96.4 %	61-141		10/21/25	10/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2543040
Chloride	776	20.0	1	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 10/23/2025 2:47:54PM
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AH9-1'

E510234-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID	94.9 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.8 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2543026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane	95.2 %	61-141		10/21/25	10/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2543040
Chloride	743	20.0	1	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/23/2025 2:47:54PM

AH10-6"

E510234-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.5 %	70-130	10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2543026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane		96.5 %	61-141	10/21/25	10/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2543040
Chloride	3950	40.0	2	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 10/23/2025 2:47:54PM
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AH11-6"

E510234-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID	93.9 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.6 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2543026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane	96.2 %	61-141		10/21/25	10/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2543040
Chloride	3090	40.0	2	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/23/2025 2:47:54PM

AH12-6"

E510234-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID	94.7 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.7 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2543026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/22/25	
Surrogate: n-Nonane	94.3 %	61-141		10/21/25	10/22/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2543040
Chloride	866	20.0	1	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/23/2025 2:47:54PM

AH13-6"

E510234-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID		94.4 %	70-130	10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2543026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/22/25	
Surrogate: n-Nonane		93.9 %	61-141	10/21/25	10/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2543040
Chloride	6180	100	5	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/23/2025 2:47:54PM

AH14-6"

E510234-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID		92.9 %	70-130	10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	70-130	10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2543026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/22/25	
Surrogate: n-Nonane		96.0 %	61-141	10/21/25	10/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2543040
Chloride	6160	100	5	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 10/23/2025 2:47:54PM
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AH15-6"

E510234-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID	93.8 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.2 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2543026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/22/25	
Surrogate: n-Nonane	95.2 %	61-141		10/21/25	10/22/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2543040
Chloride	7540	100	5	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 10/23/2025 2:47:54PM
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AH16-6"

E510234-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.8 %	70-130	10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2543026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/22/25	
Surrogate: n-Nonane		95.0 %	61-141	10/21/25	10/22/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2543040
Chloride	7500	100	5	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 10/23/2025 2:47:54PM
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SS1-S

E510234-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID	95.0 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.5 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2543026
Diesel Range Organics (C10-C28)	98.4	25.0	1	10/21/25	10/22/25	
Oil Range Organics (C28-C36)	69.7	50.0	1	10/21/25	10/22/25	
Surrogate: n-Nonane	99.7 %	61-141		10/21/25	10/22/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2543040
Chloride	1480	20.0	1	10/21/25	10/22/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/23/2025 2:47:54PM

SS2-S

E510234-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID	94.7 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.5 %	70-130		10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2543026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/22/25	
Surrogate: n-Nonane	95.1 %	61-141		10/21/25	10/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2543040
Chloride	53.2	20.0	1	10/21/25	10/22/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/23/2025 2:47:54PM

HP1-S

E510234-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Benzene	ND	0.0250	1	10/21/25	10/22/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/22/25	
Toluene	ND	0.0250	1	10/21/25	10/22/25	
o-Xylene	ND	0.0250	1	10/21/25	10/22/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/22/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/22/25	
Surrogate: 4-Bromochlorobenzene-PID	94.6 %	70-130		10/21/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.3 %	70-130		10/21/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2543026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/22/25	
Surrogate: n-Nonane	95.7 %	61-141		10/21/25	10/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2543040
Chloride	87.4	20.0	1	10/21/25	10/22/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/23/2025 2:47:54PM

HP2-S

E510234-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Benzene	ND	0.0250	1	10/21/25	10/22/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/22/25	
Toluene	ND	0.0250	1	10/21/25	10/22/25	
o-Xylene	ND	0.0250	1	10/21/25	10/22/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/22/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/22/25	
Surrogate: 4-Bromochlorobenzene-PID	95.1 %	70-130		10/21/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543033
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.1 %	70-130		10/21/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2543026
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/22/25	
Surrogate: n-Nonane	95.2 %	61-141		10/21/25	10/22/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2543040
Chloride	44.9	20.0	1	10/21/25	10/22/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/23/2025 2:47:54PM

HP3-S

E510234-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543034
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID		116 %	70-130	10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2543028
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane		101 %	61-141	10/21/25	10/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2543041
Chloride	266	20.0	1	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/23/2025 2:47:54PM

HP4-S

E510234-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543034
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID		116 %	70-130	10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2543028
Diesel Range Organics (C10-C28)	603	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	2260	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane		99.3 %	61-141	10/21/25	10/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2543041
Chloride	605	20.0	1	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/23/2025 2:47:54PM

HP5-S

E510234-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543034
Benzene	ND	0.0250	1	10/21/25	10/22/25	
Ethylbenzene	0.0323	0.0250	1	10/21/25	10/22/25	
Toluene	ND	0.0250	1	10/21/25	10/22/25	
o-Xylene	0.0362	0.0250	1	10/21/25	10/22/25	
p,m-Xylene	0.0760	0.0500	1	10/21/25	10/22/25	
Total Xylenes	0.112	0.0250	1	10/21/25	10/22/25	
Surrogate: 4-Bromochlorobenzene-PID		119 %	70-130	10/21/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	10/21/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2543028
Diesel Range Organics (C10-C28)	85.5	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	276	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane		103 %	61-141	10/21/25	10/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2543041
Chloride	520	20.0	1	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/23/2025 2:47:54PM

HP6-S

E510234-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543034
Benzene	ND	0.0250	1	10/21/25	10/22/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/22/25	
Toluene	ND	0.0250	1	10/21/25	10/22/25	
o-Xylene	ND	0.0250	1	10/21/25	10/22/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/22/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/22/25	
Surrogate: 4-Bromochlorobenzene-PID		118 %	70-130	10/21/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	10/21/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2543028
Diesel Range Organics (C10-C28)	144	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	229	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane		102 %	61-141	10/21/25	10/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2543041
Chloride	459	20.0	1	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/23/2025 2:47:54PM

HP7-S

E510234-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543034
Benzene	ND	0.0250	1	10/21/25	10/22/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/22/25	
Toluene	ND	0.0250	1	10/21/25	10/22/25	
o-Xylene	ND	0.0250	1	10/21/25	10/22/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/22/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/22/25	
Surrogate: 4-Bromochlorobenzene-PID	117 %	70-130		10/21/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.1 %	70-130		10/21/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2543028
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane	102 %	61-141		10/21/25	10/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2543041
Chloride	43.1	20.0	1	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/23/2025 2:47:54PM

HP8-S

E510234-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543034
Benzene	ND	0.0250	1	10/21/25	10/21/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/21/25	
Toluene	ND	0.0250	1	10/21/25	10/21/25	
o-Xylene	ND	0.0250	1	10/21/25	10/21/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/21/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/21/25	
Surrogate: 4-Bromochlorobenzene-PID		117 %	70-130	10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/21/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	10/21/25	10/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2543028
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane		101 %	61-141	10/21/25	10/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2543041
Chloride	147	20.0	1	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/23/2025 2:47:54PM

HP9-S

E510234-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543034
Benzene	ND	0.0250	1	10/21/25	10/22/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/22/25	
Toluene	ND	0.0250	1	10/21/25	10/22/25	
o-Xylene	ND	0.0250	1	10/21/25	10/22/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/22/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/22/25	
Surrogate: 4-Bromochlorobenzene-PID		119 %	70-130	10/21/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	10/21/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2543028
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane		103 %	61-141	10/21/25	10/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2543041
Chloride	294	20.0	1	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/23/2025 2:47:54PM

HP10-S

E510234-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543034
Benzene	ND	0.0250	1	10/21/25	10/22/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/22/25	
Toluene	ND	0.0250	1	10/21/25	10/22/25	
o-Xylene	ND	0.0250	1	10/21/25	10/22/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/22/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/22/25	
Surrogate: 4-Bromochlorobenzene-PID		121 %	70-130	10/21/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	10/21/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2543028
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane		103 %	61-141	10/21/25	10/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2543041
Chloride	194	20.0	1	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 10/23/2025 2:47:54PM
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HP11-S

E510234-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2543034
Benzene	ND	0.0250	1	10/21/25	10/22/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/22/25	
Toluene	ND	0.0250	1	10/21/25	10/22/25	
o-Xylene	ND	0.0250	1	10/21/25	10/22/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/22/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/22/25	
Surrogate: 4-Bromochlorobenzene-PID		122 %	70-130	10/21/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2543034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	10/21/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: HM		Batch: 2543028
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane		102 %	61-141	10/21/25	10/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: TP		Batch: 2543041
Chloride	143	20.0	1	10/21/25	10/21/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
10/23/2025 2:47:54PM

HP12-S

E510234-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543034
Benzene	ND	0.0250	1	10/21/25	10/22/25	
Ethylbenzene	ND	0.0250	1	10/21/25	10/22/25	
Toluene	ND	0.0250	1	10/21/25	10/22/25	
o-Xylene	ND	0.0250	1	10/21/25	10/22/25	
p,m-Xylene	ND	0.0500	1	10/21/25	10/22/25	
Total Xylenes	ND	0.0250	1	10/21/25	10/22/25	
Surrogate: 4-Bromochlorobenzene-PID		121 %	70-130	10/21/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2543034
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/25	10/22/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	10/21/25	10/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2543028
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/25	10/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/25	10/21/25	
Surrogate: n-Nonane		100 %	61-141	10/21/25	10/21/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2543041
Chloride	222	20.0	1	10/21/25	10/21/25	



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	10/23/2025 2:47:54PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2543033-BLK1)

Prepared: 10/21/25 Analyzed: 10/21/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.13		8.00		89.1	70-130			

LCS (2543033-BS1)

Prepared: 10/21/25 Analyzed: 10/21/25

Benzene	3.70	0.0250	5.00		74.1	70-130			
Ethylbenzene	3.64	0.0250	5.00		72.8	70-130			
Toluene	3.69	0.0250	5.00		73.8	70-130			
o-Xylene	3.72	0.0250	5.00		74.4	70-130			
p,m-Xylene	7.40	0.0500	10.0		74.0	70-130			
Total Xylenes	11.1	0.0250	15.0		74.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.29		8.00		91.1	70-130			

Matrix Spike (2543033-MS1)

Source: E510234-05

Prepared: 10/21/25 Analyzed: 10/21/25

Benzene	4.32	0.0250	5.00	ND	86.5	70-130			
Ethylbenzene	4.24	0.0250	5.00	ND	84.8	70-130			
Toluene	4.31	0.0250	5.00	ND	86.1	70-130			
o-Xylene	4.32	0.0250	5.00	ND	86.3	70-130			
p,m-Xylene	8.60	0.0500	10.0	ND	86.0	70-130			
Total Xylenes	12.9	0.0250	15.0	ND	86.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			

Matrix Spike Dup (2543033-MSD1)

Source: E510234-05

Prepared: 10/21/25 Analyzed: 10/21/25

Benzene	4.12	0.0250	5.00	ND	82.5	70-130	4.78	27	
Ethylbenzene	4.05	0.0250	5.00	ND	81.0	70-130	4.53	26	
Toluene	4.11	0.0250	5.00	ND	82.2	70-130	4.61	20	
o-Xylene	4.14	0.0250	5.00	ND	82.9	70-130	4.05	25	
p,m-Xylene	8.23	0.0500	10.0	ND	82.3	70-130	4.38	23	
Total Xylenes	12.4	0.0250	15.0	ND	82.5	70-130	4.27	26	
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130			



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	10/23/2025 2:47:54PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2543034-BLK1)

Prepared: 10/21/25 Analyzed: 10/21/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	9.45		8.00		118	70-130			

LCS (2543034-BS1)

Prepared: 10/21/25 Analyzed: 10/23/25

Benzene	4.78	0.0250	5.00		95.5	70-130			
Ethylbenzene	4.66	0.0250	5.00		93.1	70-130			
Toluene	4.70	0.0250	5.00		94.0	70-130			
o-Xylene	4.76	0.0250	5.00		95.2	70-130			
p,m-Xylene	9.53	0.0500	10.0		95.3	70-130			
Total Xylenes	14.3	0.0250	15.0		95.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.93		8.00		124	70-130			

Matrix Spike (2543034-MS1)

Source: E510234-26

Prepared: 10/21/25 Analyzed: 10/21/25

Benzene	3.94	0.0250	5.00	ND	78.7	70-130			
Ethylbenzene	4.13	0.0250	5.00	ND	82.6	70-130			
Toluene	4.05	0.0250	5.00	ND	81.0	70-130			
o-Xylene	4.22	0.0250	5.00	ND	84.3	70-130			
p,m-Xylene	8.39	0.0500	10.0	ND	83.9	70-130			
Total Xylenes	12.6	0.0250	15.0	ND	84.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.28		8.00		116	70-130			

Matrix Spike Dup (2543034-MSD1)

Source: E510234-26

Prepared: 10/21/25 Analyzed: 10/21/25

Benzene	3.70	0.0250	5.00	ND	74.0	70-130	6.19	27	
Ethylbenzene	3.86	0.0250	5.00	ND	77.2	70-130	6.76	26	
Toluene	3.80	0.0250	5.00	ND	76.0	70-130	6.37	20	
o-Xylene	4.00	0.0250	5.00	ND	80.0	70-130	5.27	25	
p,m-Xylene	7.87	0.0500	10.0	ND	78.7	70-130	6.42	23	
Total Xylenes	11.9	0.0250	15.0	ND	79.1	70-130	6.03	26	
Surrogate: 4-Bromochlorobenzene-PID	9.32		8.00		117	70-130			



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	10/23/2025 2:47:54PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2543033-BLK1)

Prepared: 10/21/25 Analyzed: 10/21/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.2	70-130			

LCS (2543033-BS2)

Prepared: 10/21/25 Analyzed: 10/21/25

Gasoline Range Organics (C6-C10)	42.9	20.0	50.0		85.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.3	70-130			

Matrix Spike (2543033-MS2)

Source: E510234-05

Prepared: 10/21/25 Analyzed: 10/21/25

Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.01		8.00		87.6	70-130			

Matrix Spike Dup (2543033-MSD2)

Source: E510234-05

Prepared: 10/21/25 Analyzed: 10/21/25

Gasoline Range Organics (C6-C10)	49.9	20.0	50.0	ND	99.7	70-130	11.6	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.8	70-130			



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	10/23/2025 2:47:54PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2543034-BLK1)

Prepared: 10/21/25 Analyzed: 10/21/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			

LCS (2543034-BS2)

Prepared: 10/21/25 Analyzed: 10/21/25

Gasoline Range Organics (C6-C10)	44.0	20.0	50.0		87.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

Matrix Spike (2543034-MS2)

Source: E510234-26

Prepared: 10/21/25 Analyzed: 10/21/25

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	96.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.3	70-130			

Matrix Spike Dup (2543034-MSD2)

Source: E510234-26

Prepared: 10/21/25 Analyzed: 10/21/25

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	5.65	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	10/23/2025 2:47:54PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2543026-BLK1)

Prepared: 10/21/25 Analyzed: 10/21/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.0		50.0		94.1	61-141			

LCS (2543026-BS1)

Prepared: 10/21/25 Analyzed: 10/21/25

Diesel Range Organics (C10-C28)	245	25.0	250		97.9	66-144			
Surrogate: n-Nonane	47.3		50.0		94.7	61-141			

Matrix Spike (2543026-MS1)

Source: E510234-06

Prepared: 10/21/25 Analyzed: 10/21/25

Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	56-156			
Surrogate: n-Nonane	48.2		50.0		96.5	61-141			

Matrix Spike Dup (2543026-MSD1)

Source: E510234-06

Prepared: 10/21/25 Analyzed: 10/21/25

Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	56-156	1.15	20	
Surrogate: n-Nonane	48.7		50.0		97.3	61-141			



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	10/23/2025 2:47:54PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2543028-BLK1)

Prepared: 10/21/25 Analyzed: 10/21/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.5		50.0		98.9	61-141			

LCS (2543028-BS1)

Prepared: 10/21/25 Analyzed: 10/21/25

Diesel Range Organics (C10-C28)	255	25.0	250		102	66-144			
Surrogate: n-Nonane	50.1		50.0		100	61-141			

Matrix Spike (2543028-MS1)

Source: E510234-21

Prepared: 10/21/25 Analyzed: 10/21/25

Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	56-156			
Surrogate: n-Nonane	50.5		50.0		101	61-141			

Matrix Spike Dup (2543028-MSD1)

Source: E510234-21

Prepared: 10/21/25 Analyzed: 10/21/25

Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	56-156	1.90	20	
Surrogate: n-Nonane	50.3		50.0		101	61-141			



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	10/23/2025 2:47:54PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2543040-BLK1)

Prepared: 10/21/25 Analyzed: 10/21/25

Chloride ND 20.0

LCS (2543040-BS1)

Prepared: 10/21/25 Analyzed: 10/21/25

Chloride 249 20.0 250 99.6 90-110

Matrix Spike (2543040-MS1)

Source: E510234-04

Prepared: 10/21/25 Analyzed: 10/21/25

Chloride 2270 20.0 250 1890 151 80-120 M4

Matrix Spike Dup (2543040-MSD1)

Source: E510234-04

Prepared: 10/21/25 Analyzed: 10/21/25

Chloride 2230 20.0 250 1890 136 80-120 1.69 20 M4



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	10/23/2025 2:47:54PM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2543041-BLK1)

Chloride ND 20.0

Prepared: 10/21/25 Analyzed: 10/21/25

LCS (2543041-BS1)

Chloride 255 20.0 250 102 90-110

Prepared: 10/21/25 Analyzed: 10/21/25

Matrix Spike (2543041-MS1)

Chloride 706 20.0 250 459 98.7 80-120

Source: E510234-24

Prepared: 10/21/25 Analyzed: 10/21/25

Matrix Spike Dup (2543041-MSD1)

Chloride 713 20.0 250 459 101 80-120 0.952 20

Source: E510234-24

Prepared: 10/21/25 Analyzed: 10/21/25

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 10/23/25 14:47
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M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Chain of Custody

Page 1 of 3

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Safety & Environmental Solutions				Company: <u>Devon Energy</u>				Lab WOH# <u>E510234</u>				Job Number <u>00570007</u>				<input checked="" type="checkbox"/> 1D <input checked="" type="checkbox"/> 2D <input checked="" type="checkbox"/> 3D <input checked="" type="checkbox"/> Std			
Project Name: <u>Thistle Unit 22 CTB 2</u>				Address: _____												<input checked="" type="checkbox"/> NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> TX			
Project Manager: <u>Leslie Mendenhall</u>				City, State, Zip: _____															
Address: <u>1501 W Bender Blvd</u>				Phone: _____															
City, State, Zip: <u>Hobbs, NM 88240</u>				Email: _____															
Phone: <u>(575) 973-5675 or (575) 397-0510</u>				Miscellaneous: <u>Thistle Unit 22 CTB 2</u>															
Email: <u>lmendenhall@sesi-nm.com</u>				<u>Devon#21638435</u>															
Sample Information												Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TECO 1005 - TX	ICMA & Metals	8600C - NM	8600C - TX	SDWA	CWA	RCRA	
8:50	10/17/25	S	1	AH1 - 6"	6"	1	X	X	X	X									
9:17		S	1	AH2 - 2'	2'	2													
9:40		S	1	AH3 - 6"	6"	3													
10:05		S	1	AH4 - 6"	6"	4													
10:45		S	1	AH5 - 2'	2'	5													
11:00		S	1	AH6 - 2'	2'	6													
9:13		S	1	AH7 - 2'	2'	7													
9:42		S	1	AH8 - 6"	6"	8													
10:15		S	1	AH9 - 1'	1'	9													
10:55		S	1	AH10 - 6"	6"	10													
Additional Instructions: <u>Erromo @ Sesi - nm . com</u> <u>lmendenhall@sesi-nm.com</u> <u>aguirre @ Sesi - nm . com</u> <u>sbaldp @ Sesi - nm . com</u> I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Sabrina Sanchez</u> & <u>Leslie Mendenhall</u>																			
Relinquished by: (Signature) <u>Mar Kayla Tarango</u>				Date <u>10-20-25</u> Time <u>2:04</u>				Received by: (Signature) <u>Marissa Gonzalez</u>				Date <u>10-20-25</u> Time <u>14:04</u>				Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>(Y) N</u>			
Relinquished by: (Signature) <u>Marissa Gonzalez</u>				Date <u>10-20-25</u> Time <u>1:30</u>				Received by: (Signature) <u>Andrew Musso</u>				Date <u>10-20-25</u> Time <u>1:30</u>							
Relinquished by: (Signature) <u>Andrew Musso</u>				Date <u>10-20-25</u> Time <u>2:00</u>				Received by: (Signature) <u>Christina</u>				Date <u>10-20-25</u> Time <u>2:00</u>							
Relinquished by: (Signature) _____				Date <u>10-20-25</u> Time <u>2:00</u>				Received by: (Signature) _____				Date <u>10-21-25</u> Time <u>8:00</u>							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



Chain of Custody

Page 2 of 3

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Safety & Environmental Solutions				Company: Devon Energy		Lab Work: E510234		Job Number: 01057-007		1D 2D 3D Std									
Project Name: Thistle Unit 22 CR2				Address:						NM CO UT TX									
Project Manager: Leslie Mendenhall (185)				City, State, Zip:															
Address: 1501 W Bender Blvd				Phone:															
City, State, Zip: Hobbs, NM 88240				Email:															
Phone: (575) 973-5675 or (575) 397-0510				Miscellaneous: Thistle Unit 22 CR2															
Email: lmendenhall@sesi-nm.com				Devon Unit # 21635435															
Sample Information				Analysis and Method								EPA Program							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DIC/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8250	Chloride 300.0	TECO 1005 - TX	RCRA 8 Metals	BODOC - NM	BODOC - TX	SDWA	CWA	RCRA	
1110	10/17/25	S	1	AH11-6"	6"	11	X	X		X									
1120		S	1	AH12-6"	6"	12													
1130		S	1	AH13-6"	6"	13													
1140		S	1	AH14-6"	6"	14													
1150		S	1	AH15-6"	6"	15													
1200		S	1	AH16-6"	6"	16													
145		S	1	SS1-S	S	17													
150		S	1	SS2-S	S	18													
200		S	1	HP1-S	S	19													
205		S	1	HP2-S	S	20													
Additional Instructions: I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Sabrina Sanchez, Leslie Mendenhall Relinquished by: (Signature) Mark Kauter Triango Date 10/20/25 Time 2:04 PM Received by: (Signature) Marissa Gonzalez Date 10-20-25 Time 1404 Relinquished by: (Signature) Marissa Gonzalez Date 10-20-25 Time 1530 Received by: (Signature) Nathan Lopez Date 10-20-25 Time 1530 Relinquished by: (Signature) Nathan Lopez Date 10-20-25 Time 2000 Received by: (Signature) Andrew Musso Date 10-20-25 Time 2000 Relinquished by: (Signature) Andrew Musso Date 10-21-25 Time 0100 Received by: (Signature) Caitlin Mar Date 10-21-25 Time 800																			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



Chain of Custody

Page 3 of 3

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Safety & Environmental Solutions				Company: <u>Devon Energy</u>				Lab WO# <u>21058435</u>				Job Number <u>01058435</u>				1D <input type="checkbox"/> 2D <input type="checkbox"/> 3D <input checked="" type="checkbox"/> Std <input type="checkbox"/>			
Project Name: <u>Thistle Unit 22 CTB2</u>				Address: <u>1501 W Bender Blvd</u>				City, State, Zip: <u>Hobbs, NM 88240</u>				Phone: <u>(575) 973-5675 or (575) 397-0510</u>				Email: <u>lmendenhall@sesi-nm.com</u>			
Project Manager: <u>Leslie Mendenhall</u>				Miscellaneous: <u>Thistle Unit 22 CTB2</u>				Donor WO# <u>21058435</u>											
Sample Information				Analysis and Method												EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/CRO by 8015	GRO/DRO by 8015	BTEX by 8011	VOC by 8260	Chloride 300.0	TCFQ 1005 - TX	RCRA 8 Metals	REGOC - NM	REGOC - TX	SDWA	CWA	RCRA	
210	10/17/25	S	1	HP3-S	S	21	X	X	X	X									
215				HP4-S		22													
225				HP5-S		23													
235				HP6-S		24													
240				HP7-S		25													
245				HP8-S		26													
250				HP9-S		27													
255				HP10-S		28													
300				HP11-S		29													
305				HP12-S		30													
Additional Instructions: <u>email@sesi-nm.com</u> <u>Shabbir@sesi-nm.com</u> <u>adawire@sesi-nm.com</u> <u>lmendenhall@sesi-nm.com</u> I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Leslie Mendenhall</u> & <u>Sabrina Sanchez</u>																			
Relinquished by: (Signature) <u>Markayla Tarangan</u>				Date <u>10/20/25</u> Time <u>2:04 PM</u>				Received by: (Signature) <u>Marissa Gonzales</u>				Date <u>10-20-25</u> Time <u>1404</u>				Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: Y / N			
Relinquished by: (Signature) <u>Marissa Gonzales</u>				Date <u>10-20-25</u> Time <u>1630</u>				Received by: (Signature) <u>Markayla Tarangan</u>				Date <u>10-20-25</u> Time <u>1630</u>							
Relinquished by: (Signature) <u>Markayla Tarangan</u>				Date <u>10-20-25</u> Time <u>2000</u>				Received by: (Signature) <u>Andrew Musso</u>				Date <u>10-20-25</u> Time <u>2000</u>							
Relinquished by: (Signature) <u>Andrew Musso</u>				Date <u>10-21-25</u> Time <u>0100</u>				Received by: (Signature) <u>Carla Man</u>				Date <u>10-21-25</u> Time <u>800</u>							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 10/21/2025 9:59:31AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Safety & Environmental Solutions	Date Received:	10/21/25 08:00	Work Order ID:	E510234
Phone:	(575) 397-0510	Date Logged In:	10/20/25 13:21	Logged In By:	Caitlin Mars
Email:	lmendenhall@sesci-nm.com	Due Date:	10/23/25 17:00 (2 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
 2. Does the number of samples per sampling site location match the COC? Yes
 3. Were samples dropped off by client or carrier? Yes
 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
 5. Were all samples received within holding time? Yes
- Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: COURIERComments/Resolution

Visible white out present on COC.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:

Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:

Leslie Mendenhall



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Safety & Environmental Solutions

Project Name: Thistle Unit 22 CTB 2 (185)

Work Order: E510376

Job Number: 01058-0007

Received: 11/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/3/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 11/3/25

Leslie Mendenhall
1501 W Bender Blvd
Hobbs, NM 88240



Project Name: Thistle Unit 22 CTB 2 (185)
Workorder: E510376
Date Received: 11/3/2025 7:00:00AM

Leslie Mendenhall,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/3/2025 7:00:00AM, under the Project Name: Thistle Unit 22 CTB 2 (185).

The analytical test results summarized in this report with the Project Name: Thistle Unit 22 CTB 2 (185) apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
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Sample Summary

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 11/03/25 15:06
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
HP-4A- Surface	E510376-01A	Soil	10/28/25	11/03/25	Glass Jar, 2 oz.
HP-5A-Surface	E510376-02A	Soil	10/28/25	11/03/25	Glass Jar, 2 oz.
HP-6A-Surface	E510376-03A	Soil	10/28/25	11/03/25	Glass Jar, 2 oz.



Sample Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 11/3/2025 3:06:54PM
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HP-4A- Surface

E510376-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2545002
Benzene	ND	0.0250	1	11/03/25	11/03/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/03/25	
Toluene	ND	0.0250	1	11/03/25	11/03/25	
o-Xylene	ND	0.0250	1	11/03/25	11/03/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/03/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/03/25	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		11/03/25	11/03/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2545002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	103 %	70-130		11/03/25	11/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2545001
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/25	11/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/25	11/03/25	
Surrogate: n-Nonane	110 %	61-141		11/03/25	11/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2545003
Chloride	20.8	20.0	1	11/03/25	11/03/25	



Sample Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 11/3/2025 3:06:54PM
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HP-5A-Surface

E510376-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2545002
Benzene	ND	0.0250	1	11/03/25	11/03/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/03/25	
Toluene	ND	0.0250	1	11/03/25	11/03/25	
o-Xylene	ND	0.0250	1	11/03/25	11/03/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/03/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/03/25	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	11/03/25	11/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2545002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %	70-130	11/03/25	11/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2545001
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/25	11/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/25	11/03/25	
Surrogate: n-Nonane		113 %	61-141	11/03/25	11/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2545003
Chloride	21.6	20.0	1	11/03/25	11/03/25	



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
11/3/2025 3:06:54PM

HP-6A-Surface

E510376-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2545002
Benzene	ND	0.0250	1	11/03/25	11/03/25	
Ethylbenzene	ND	0.0250	1	11/03/25	11/03/25	
Toluene	ND	0.0250	1	11/03/25	11/03/25	
o-Xylene	ND	0.0250	1	11/03/25	11/03/25	
p,m-Xylene	ND	0.0500	1	11/03/25	11/03/25	
Total Xylenes	ND	0.0250	1	11/03/25	11/03/25	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	11/03/25	11/03/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2545002
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/03/25	11/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	11/03/25	11/03/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HM		Batch: 2545001
Diesel Range Organics (C10-C28)	266	25.0	1	11/03/25	11/03/25	
Oil Range Organics (C28-C36)	224	50.0	1	11/03/25	11/03/25	
Surrogate: n-Nonane		113 %	61-141	11/03/25	11/03/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2545003
Chloride	ND	20.0	1	11/03/25	11/03/25	



QC Summary Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 11/3/2025 3:06:54PM
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Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2545002-BLK1)

Prepared: 11/03/25 Analyzed: 11/03/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.4	70-130			

LCS (2545002-BS1)

Prepared: 11/03/25 Analyzed: 11/03/25

Benzene	5.67	0.0250	5.00		113	70-130			
Ethylbenzene	5.55	0.0250	5.00		111	70-130			
Toluene	5.68	0.0250	5.00		114	70-130			
o-Xylene	5.61	0.0250	5.00		112	70-130			
p,m-Xylene	11.3	0.0500	10.0		113	70-130			
Total Xylenes	17.0	0.0250	15.0		113	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.21		8.00		103	70-130			

Matrix Spike (2545002-MS1)

Source: E510376-01

Prepared: 11/03/25 Analyzed: 11/03/25

Benzene	5.14	0.0250	5.00	ND	103	70-130			
Ethylbenzene	5.04	0.0250	5.00	ND	101	70-130			
Toluene	5.15	0.0250	5.00	ND	103	70-130			
o-Xylene	5.09	0.0250	5.00	ND	102	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.4	0.0250	15.0	ND	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.23		8.00		103	70-130			

Matrix Spike Dup (2545002-MSD1)

Source: E510376-01

Prepared: 11/03/25 Analyzed: 11/03/25

Benzene	4.53	0.0250	5.00	ND	90.5	70-130	12.6	27	
Ethylbenzene	4.45	0.0250	5.00	ND	89.0	70-130	12.5	26	
Toluene	4.54	0.0250	5.00	ND	90.8	70-130	12.6	20	
o-Xylene	4.49	0.0250	5.00	ND	89.9	70-130	12.5	25	
p,m-Xylene	9.11	0.0500	10.0	ND	91.1	70-130	12.3	23	
Total Xylenes	13.6	0.0250	15.0	ND	90.7	70-130	12.4	26	
Surrogate: 4-Bromochlorobenzene-PID	8.21		8.00		103	70-130			



QC Summary Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 11/3/2025 3:06:54PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2545002-BLK1)

Prepared: 11/03/25 Analyzed: 11/03/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.57		8.00		107	70-130			

LCS (2545002-BS2)

Prepared: 11/03/25 Analyzed: 11/03/25

Gasoline Range Organics (C6-C10)	57.7	20.0	50.0		115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.73		8.00		109	70-130			

Matrix Spike (2545002-MS2)

Source: E510376-01

Prepared: 11/03/25 Analyzed: 11/03/25

Gasoline Range Organics (C6-C10)	57.2	20.0	50.0	ND	114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.53		8.00		107	70-130			

Matrix Spike Dup (2545002-MSD2)

Source: E510376-01

Prepared: 11/03/25 Analyzed: 11/03/25

Gasoline Range Organics (C6-C10)	53.5	20.0	50.0	ND	107	70-130	6.72	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.37		8.00		105	70-130			



QC Summary Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 11/3/2025 3:06:54PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2545001-BLK1)

Prepared: 11/03/25 Analyzed: 11/03/25

Diesel Range Organics (C10-C28)

ND

25.0

Oil Range Organics (C28-C36)

ND

50.0

Surrogate: n-Nonane

52.3

50.0

105

61-141

LCS (2545001-BS1)

Prepared: 11/03/25 Analyzed: 11/03/25

Diesel Range Organics (C10-C28)

258

25.0

250

103

66-144

Surrogate: n-Nonane

49.4

50.0

98.8

61-141

Matrix Spike (2545001-MS1)

Source: E510394-01

Prepared: 11/03/25 Analyzed: 11/03/25

Diesel Range Organics (C10-C28)

284

25.0

250

ND

114

56-156

Surrogate: n-Nonane

53.2

50.0

106

61-141

Matrix Spike Dup (2545001-MSD1)

Source: E510394-01

Prepared: 11/03/25 Analyzed: 11/03/25

Diesel Range Organics (C10-C28)

290

25.0

250

ND

116

56-156

Surrogate: n-Nonane

53.7

50.0

107

61-141



QC Summary Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 11/3/2025 3:06:54PM
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Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2545003-BLK1)

Chloride ND 20.0

Prepared: 11/03/25 Analyzed: 11/03/25

LCS (2545003-BS1)

Chloride 260 20.0 250 104 90-110

Prepared: 11/03/25 Analyzed: 11/03/25

Matrix Spike (2545003-MS1)

Chloride 266 20.0 250 ND 106 80-120

Source: E510376-03

Prepared: 11/03/25 Analyzed: 11/03/25

Matrix Spike Dup (2545003-MSD1)

Chloride 266 20.0 250 ND 107 80-120 0.0856 20

Source: E510376-03

Prepared: 11/03/25 Analyzed: 11/03/25

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Safety & Environmental Solutions

1501 W Bender Blvd

Hobbs NM, 88240

Project Name:

Thistle Unit 22 CTB 2 (185)

Project Number:

01058-0007

Project Manager:

Leslie Mendenhall

Reported:

11/03/25 15:06

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Chain of Custody

Page 1 of 1[illegible]

Envirotech Analytical Laboratory

Printed: 11/3/2025 10:56:49AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Safety & Environmental Solutions	Date Received:	11/03/25 07:00	Work Order ID:	E510376
Phone:	(575) 397-0510	Date Logged In:	10/30/25 15:50	Logged In By:	Caitlin Mars
Email:	lmendenhall@sesi-nm.com	Due Date:	11/03/25 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: COURIERComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:

Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:

Leslie Mendenhall



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Safety & Environmental Solutions

Project Name: Thistle Unit 22 CTB 2 (185)

Work Order: E511162

Job Number: 01058-0007

Received: 11/13/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/14/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 11/14/25

Leslie Mendenhall
1501 W Bender Blvd
Hobbs, NM 88240



Project Name: Thistle Unit 22 CTB 2 (185)
Workorder: E511162
Date Received: 11/13/2025 8:00:00AM

Leslie Mendenhall,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/13/2025 8:00:00AM, under the Project Name: Thistle Unit 22 CTB 2 (185).

The analytical test results summarized in this report with the Project Name: Thistle Unit 22 CTB 2 (185) apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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rainaschwanz@envirotech-inc.com

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Sample Summary

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 11/14/25 15:01
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BF-01-S	E511162-01A	Soil	11/10/25	11/13/25	Glass Jar, 2 oz.
HP-6B-S	E511162-02A	Soil	11/10/25	11/13/25	Glass Jar, 2 oz.



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
11/14/2025 3:01:46PM

BF-01-S

E511162-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: BA		Batch: 2546125
Benzene	ND	0.0250	1	11/13/25	11/14/25	
Ethylbenzene	ND	0.0250	1	11/13/25	11/14/25	
Toluene	ND	0.0250	1	11/13/25	11/14/25	
o-Xylene	ND	0.0250	1	11/13/25	11/14/25	
p,m-Xylene	ND	0.0500	1	11/13/25	11/14/25	
Total Xylenes	ND	0.0250	1	11/13/25	11/14/25	
Surrogate: 4-Bromochlorobenzene-PID	113 %	70-130		11/13/25	11/14/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2546125
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/25	11/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.7 %	70-130		11/13/25	11/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KH		Batch: 2546116
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/25	11/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/25	11/14/25	
Surrogate: n-Nonane	88.8 %	61-141		11/13/25	11/14/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: TP		Batch: 2546123
Chloride	25.2	20.0	1	11/13/25	11/13/25	



Sample Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 11/14/2025 3:01:46PM
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HP-6B-S

E511162-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2546125
Benzene	ND	0.0250	1	11/13/25	11/14/25	
Ethylbenzene	ND	0.0250	1	11/13/25	11/14/25	
Toluene	ND	0.0250	1	11/13/25	11/14/25	
o-Xylene	ND	0.0250	1	11/13/25	11/14/25	
p,m-Xylene	ND	0.0500	1	11/13/25	11/14/25	
Total Xylenes	ND	0.0250	1	11/13/25	11/14/25	
Surrogate: 4-Bromochlorobenzene-PID	113 %	70-130		11/13/25	11/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2546125
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/25	11/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.7 %	70-130		11/13/25	11/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2546116
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/25	11/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/25	11/14/25	
Surrogate: n-Nonane	88.6 %	61-141		11/13/25	11/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2546123
Chloride	120	20.0	1	11/13/25	11/13/25	



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	11/14/2025 3:01:46PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2546125-BLK1)

Prepared: 11/13/25 Analyzed: 11/14/25

Benzene	ND	0.0250
Ethylbenzene	ND	0.0250
Toluene	ND	0.0250
o-Xylene	ND	0.0250
p,m-Xylene	ND	0.0500
Total Xylenes	ND	0.0250

Surrogate: 4-Bromochlorobenzene-PID 9.16 8.00 114 70-130

LCS (2546125-BS1)

Prepared: 11/13/25 Analyzed: 11/14/25

Benzene	4.01	0.0250	5.00	80.2	70-130
Ethylbenzene	3.99	0.0250	5.00	79.8	70-130
Toluene	4.02	0.0250	5.00	80.3	70-130
o-Xylene	4.11	0.0250	5.00	82.2	70-130
p,m-Xylene	8.17	0.0500	10.0	81.7	70-130
Total Xylenes	12.3	0.0250	15.0	81.8	70-130

Surrogate: 4-Bromochlorobenzene-PID 9.06 8.00 113 70-130

Matrix Spike (2546125-MS1)

Source: E511162-02

Prepared: 11/13/25 Analyzed: 11/14/25

Benzene	4.94	0.0250	5.00	ND	98.7	70-130
Ethylbenzene	4.93	0.0250	5.00	ND	98.6	70-130
Toluene	4.96	0.0250	5.00	ND	99.3	70-130
o-Xylene	5.09	0.0250	5.00	ND	102	70-130
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130
Total Xylenes	15.2	0.0250	15.0	ND	101	70-130

Surrogate: 4-Bromochlorobenzene-PID 8.99 8.00 112 70-130

Matrix Spike Dup (2546125-MSD1)

Source: E511162-02

Prepared: 11/13/25 Analyzed: 11/14/25

Benzene	4.53	0.0250	5.00	ND	90.5	70-130	8.71	27
Ethylbenzene	4.51	0.0250	5.00	ND	90.2	70-130	8.90	26
Toluene	4.54	0.0250	5.00	ND	90.8	70-130	8.93	20
o-Xylene	4.65	0.0250	5.00	ND	92.9	70-130	9.09	25
p,m-Xylene	9.21	0.0500	10.0	ND	92.1	70-130	8.87	23
Total Xylenes	13.9	0.0250	15.0	ND	92.4	70-130	8.94	26

Surrogate: 4-Bromochlorobenzene-PID 8.91 8.00 111 70-130



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	11/14/2025 3:01:46PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2546125-BLK1)

Prepared: 11/13/25 Analyzed: 11/14/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.8		70-130		

LCS (2546125-BS2)

Prepared: 11/13/25 Analyzed: 11/14/25

Gasoline Range Organics (C6-C10)	53.1	20.0	50.0		106		70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2		70-130		

Matrix Spike (2546125-MS2)

Source: E511162-02

Prepared: 11/13/25 Analyzed: 11/14/25

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104		70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4		70-130		

Matrix Spike Dup (2546125-MSD2)

Source: E511162-02

Prepared: 11/13/25 Analyzed: 11/14/25

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0	ND	101		70-130	2.39	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.7		70-130		



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	11/14/2025 3:01:46PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2546116-BLK1)

Prepared: 11/13/25 Analyzed: 11/13/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.5		50.0		89.1	61-141			

LCS (2546116-BS1)

Prepared: 11/13/25 Analyzed: 11/13/25

Diesel Range Organics (C10-C28)	228	25.0	250		91.2	66-144			
Surrogate: n-Nonane	44.8		50.0		89.7	61-141			

Matrix Spike (2546116-MS1)

Source: E511152-06

Prepared: 11/13/25 Analyzed: 11/13/25

Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.8	56-156			
Surrogate: n-Nonane	44.9		50.0		89.8	61-141			

Matrix Spike Dup (2546116-MSD1)

Source: E511152-06

Prepared: 11/13/25 Analyzed: 11/13/25

Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.5	56-156	1.28	20	
Surrogate: n-Nonane	45.2		50.0		90.4	61-141			



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	11/14/2025 3:01:46PM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2546123-BLK1)

Prepared: 11/13/25 Analyzed: 11/13/25

Chloride ND 20.0

LCS (2546123-BS1)

Prepared: 11/13/25 Analyzed: 11/13/25

Chloride 252 20.0 250 101 90-110

Matrix Spike (2546123-MS1)

Source: E511147-04

Prepared: 11/13/25 Analyzed: 11/13/25

Chloride 298 20.0 250 45.6 101 80-120

Matrix Spike Dup (2546123-MSD1)

Source: E511147-04

Prepared: 11/13/25 Analyzed: 11/13/25

Chloride 299 20.0 250 45.6 101 80-120 0.509 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
11/14/25 15:01

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Chain of Custody

Page 1 of 1[illegible]

Envirotech Analytical Laboratory

Printed: 11/13/2025 9:04:57AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Safety & Environmental Solutions	Date Received:	11/13/25 08:00	Work Order ID:	E511162
Phone:	(575) 397-0510	Date Logged In:	11/12/25 16:21	Logged In By:	Caitlin Mars
Email:	lmendenhall@sesi-nm.com	Due Date:	11/14/25 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: COURIER

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client InstructionComments/Resolution

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:

Leslie Mendenhall



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Safety & Environmental Solutions

Project Name: Thistle Unit 22 CTB 2 (185)

Work Order: E511321

Job Number: 01058-0007

Received: 11/24/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/25/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 11/25/25

Leslie Mendenhall
1501 W Bender Blvd
Hobbs, NM 88240



Project Name: Thistle Unit 22 CTB 2 (185)
Workorder: E511321
Date Received: 11/24/2025 8:00:14AM

Leslie Mendenhall,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/24/2025 8:00:14AM, under the Project Name: Thistle Unit 22 CTB 2 (185).

The analytical test results summarized in this report with the Project Name: Thistle Unit 22 CTB 2 (185) apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Sample Summary

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:

11/25/25 15:04

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
HP-4-1'	E511321-01A	Soil	11/21/25	11/24/25	Glass Jar, 2 oz.



Sample Data

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
11/25/2025 3:04:03PM

HP-4-1'

E511321-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: MB		Batch: 2548004
Benzene	ND	0.0250	1	11/24/25	11/24/25	
Ethylbenzene	ND	0.0250	1	11/24/25	11/24/25	
Toluene	ND	0.0250	1	11/24/25	11/24/25	
o-Xylene	ND	0.0250	1	11/24/25	11/24/25	
p,m-Xylene	ND	0.0500	1	11/24/25	11/24/25	
Total Xylenes	ND	0.0250	1	11/24/25	11/24/25	
Surrogate: 4-Bromochlorobenzene-PID		114 %	70-130	11/24/25	11/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: MB		Batch: 2548004
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/24/25	11/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		113 %	70-130	11/24/25	11/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2548001
Diesel Range Organics (C10-C28)	ND	25.0	1	11/24/25	11/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	11/24/25	11/24/25	
Surrogate: n-Nonane		100 %	61-141	11/24/25	11/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: TP		Batch: 2548005
Chloride	185	20.0	1	11/24/25	11/24/25	



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	11/25/2025 3:04:03PM

Volatile Organics by EPA 8021B

Analyst: MB

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2548004-BLK1)

Prepared: 11/24/25 Analyzed: 11/24/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.40		8.00		105	70-130			

LCS (2548004-BS1)

Prepared: 11/24/25 Analyzed: 11/24/25

Benzene	3.62	0.0250	5.00		72.3	70-130			
Ethylbenzene	3.58	0.0250	5.00		71.7	70-130			
Toluene	3.66	0.0250	5.00		73.2	70-130			
o-Xylene	3.64	0.0250	5.00		72.8	70-130			
p,m-Xylene	7.35	0.0500	10.0		73.5	70-130			
Total Xylenes	11.0	0.0250	15.0		73.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.94		8.00		112	70-130			

Matrix Spike (2548004-MS1)

Source: E511320-01

Prepared: 11/24/25 Analyzed: 11/25/25

Benzene	4.76	0.0250	5.00	ND	95.2	70-130			
Ethylbenzene	4.54	0.0250	5.00	0.0255	90.2	70-130			
Toluene	4.69	0.0250	5.00	ND	93.8	70-130			
o-Xylene	4.57	0.0250	5.00	ND	91.4	70-130			
p,m-Xylene	9.28	0.0500	10.0	ND	92.8	70-130			
Total Xylenes	13.8	0.0250	15.0	ND	92.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.41		8.00		118	70-130			

Matrix Spike Dup (2548004-MSD1)

Source: E511320-01

Prepared: 11/24/25 Analyzed: 11/24/25

Benzene	5.05	0.0250	5.00	ND	101	70-130	5.84	27	
Ethylbenzene	4.96	0.0250	5.00	0.0255	98.6	70-130	8.88	26	
Toluene	5.09	0.0250	5.00	ND	102	70-130	8.17	20	
o-Xylene	5.04	0.0250	5.00	ND	101	70-130	9.86	25	
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130	8.64	23	
Total Xylenes	15.2	0.0250	15.0	ND	101	70-130	9.04	26	
Surrogate: 4-Bromochlorobenzene-PID	9.04		8.00		113	70-130			



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	11/25/2025 3:04:03PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: MB

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2548004-BLK1)

Prepared: 11/24/25 Analyzed: 11/24/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.89		8.00		111	70-130			

LCS (2548004-BS2)

Prepared: 11/24/25 Analyzed: 11/24/25

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.22		8.00		115	70-130			

Matrix Spike (2548004-MS2)

Source: E511320-01

Prepared: 11/24/25 Analyzed: 11/24/25

Gasoline Range Organics (C6-C10)	44.5	20.0	50.0	ND	89.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.20		8.00		115	70-130			

Matrix Spike Dup (2548004-MSD2)

Source: E511320-01

Prepared: 11/24/25 Analyzed: 11/24/25

Gasoline Range Organics (C6-C10)	50.9	20.0	50.0	ND	102	70-130	13.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.22		8.00		115	70-130			



QC Summary Data

Safety & Environmental Solutions	Project Name:	Thistle Unit 22 CTB 2 (185)	Reported:
1501 W Bender Blvd	Project Number:	01058-0007	
Hobbs NM, 88240	Project Manager:	Leslie Mendenhall	11/25/2025 3:04:03PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2548001-BLK1)

Prepared: 11/24/25 Analyzed: 11/24/25

Diesel Range Organics (C10-C28)

ND 25.0

Oil Range Organics (C28-C36)

ND 50.0

Surrogate: n-Nonane

53.1 50.0 106 61-141

LCS (2548001-BS1)

Prepared: 11/24/25 Analyzed: 11/24/25

Diesel Range Organics (C10-C28)

261 25.0 250 104 66-144

Surrogate: n-Nonane

52.0 50.0 104 61-141

Matrix Spike (2548001-MS1)

Source: E511319-05

Prepared: 11/24/25 Analyzed: 11/24/25

Diesel Range Organics (C10-C28)

263 25.0 250 ND 105 56-156

Surrogate: n-Nonane

54.0 50.0 108 61-141

Matrix Spike Dup (2548001-MSD1)

Source: E511319-05

Prepared: 11/24/25 Analyzed: 11/24/25

Diesel Range Organics (C10-C28)

270 25.0 250 ND 108 56-156 2.30 20

Surrogate: n-Nonane

54.0 50.0 108 61-141



QC Summary Data

Safety & Environmental Solutions 1501 W Bender Blvd Hobbs NM, 88240	Project Name: Thistle Unit 22 CTB 2 (185) Project Number: 01058-0007 Project Manager: Leslie Mendenhall	Reported: 11/25/2025 3:04:03PM
---	---	-----------------------------------

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2548005-BLK1)

Chloride ND 20.0

Prepared: 11/24/25 Analyzed: 11/24/25

LCS (2548005-BS1)

Chloride 271 20.0 250 109 90-110

Prepared: 11/24/25 Analyzed: 11/24/25

Matrix Spike (2548005-MS1)

Chloride 257 20.0 250 ND 103 80-120

Source: E511313-01

Prepared: 11/24/25 Analyzed: 11/24/25

Matrix Spike Dup (2548005-MSD1)

Chloride 262 20.0 250 ND 105 80-120 2.19 20

Source: E511313-01

Prepared: 11/24/25 Analyzed: 11/24/25

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Safety & Environmental Solutions
1501 W Bender Blvd
Hobbs NM, 88240

Project Name: Thistle Unit 22 CTB 2 (185)
Project Number: 01058-0007
Project Manager: Leslie Mendenhall

Reported:
11/25/25 15:04

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Chain of Custody

Page 1 of 1

[illegible]

Envirotech Analytical Laboratory

Printed: 11/24/2025 10:15:33AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Safety & Environmental Solutions

Date Received: 11/24/25 08:00

Work Order ID: E511321

Phone: (575) 397-0510

Date Logged In: 11/21/25 17:06

Logged In By: Noe Soto

Email: lmendenhall@sesi-nm.com

Due Date: 11/25/25 17:00 (1 day TAT)

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: COURIERComments/Resolution

Visible white out present on COC.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Devon Energy Production Company, LP
Thistle Unit 22 CTB 2 Unit 185H
Closure Report



Appendix D. C-141 Forms and Correspondence

OCD Permitting

Home Searches Incidents Incident Details

nAPP2519126637 THISTLE UNIT 22 CTB 2

General Incident Information

Well:
Facility: [\[APP2123650155\]](#) THISTLE UNIT 22 CTB 2
Operator: [\[6137\]](#) DEVON ENERGY PRODUCTION COMPANY, LP
Status: Active
Stage: Remediation Plan Approved, Pending submission of Remediation Closure Report from the operator
Type: Produced Water Release
Severity:
Incident Location: A-22-23S-33E 438 FNL 734 FEL
Lat/Long: 32.295136,-103.554495 NAD83
District: Hobbs
County: Lea (25)
Surface Owner: State

Severity Indicators

Resulted In Fire: ☐
Endangered Public Health: ☐
Fresh Water Contamination: ☐
Resulted In Injury: ☐
Will or Has Reached Watercourse: ☐
Property Or Environmental Damage: ☐

Notes

Source of Referral: Industry Rep
Action / Escalation:

Contact Details

Contact Name:
Contact Title:

Event Dates

Date of Discovery: 07/09/2025
Initial C-141 Report Due: 7/24/2025
Remediation Closure Report Due: 02/16/2026

Incident Dates

19.15.29 NMAC - RELEASES

Type	Action	Received	Denied	Approved
Remediation Closure Report Extension		11/16/2025		11/18/2025
Sampling Notice	[515320]	10/15/2025		10/15/2025
Remediation Plan	[494576]	08/12/2025		08/18/2025
Site Characterization	[494576]	08/12/2025		08/18/2025
Initial C-141 Report	[484802]	07/15/2025		07/16/2025

19.15.30 NMAC - REMEDIATION

Type	Action	Received	Denied	Approved
------	--------	----------	--------	----------

- Quic
- [Gene](#)
- [Mater](#)
- [Event](#)
- [Order](#)
- [Action](#)
- Assoc
- [Facili](#)
- [Incide](#)
- New
- [New I](#)
- [New I](#)
- [New I](#)
- [New I](#)
- [New I](#)

SIGN-IN HELP

Searches

Operator Data

Hearing Fee Application

Compositional Analysis of Vented and/or Flared Natural Gas

No Compositional Analysis Found

Incident Materials

Cause	Source	Material	Volume				Units
			Unk.	Released	Recovered	Lost	
Equipment Failure	Dump Line	Produced Water	<input type="checkbox"/>	8	7	1	BBL
The concentration of dissolved chloride in the produced water >10,000 mg/l: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
Cause of Release OR Additional Details provided for materials released: Leak on 3-phase separator dump spool allowed fluids to be released to separator skid, approx 7 bbls recovered, 1 bbl impacted pad surface by leaking from skid.							

Incident Events

Date	Detail
11/18/2025	Safety & Environmental Solutions (SES) on behalf of Devon Energy, respectfully submits this extension request for the nAPP2519126637 remediation project. SESI is requesting that a 30-day extension be granted to accommodate completion of remediation and preparation of the Closure Report. (Received by OCD via email on 11/16/2025). Response to request: The 30-day extension to submit the remediation closure is approved. The incident event details and the application online have been updated to reflect this change. Submit the closure report to OCD no later than 12/22/2025. Please submit this correspondence in the next report submission.
10/15/2025	The (10/15/2025, C-141N) application [515320] was assigned to this incident.
08/18/2025	The Site Characterization and Assessment Plan is approved with the following conditions: The OCD notes that AH-2 @ 6", AH-5 @ 6", AH-7 @ 6" and AH-9 @ 6" have not been fully delineated vertically and still exceed the Table 1 standards for chloride in 19.15.29 NMAC. These must be addressed while excavation activities are taking place. A deferral for leaving on-pad contamination in place cannot be approved until delineation has been clearly defined both horizontally as well as vertically below each delineation sample point. Only when specific sampling points have been fully delineated can a deferral request be considered. The OCD notes that south of the tank battery on-site there appears to be discoloration or surface staining. Please explain what this is and if it is part of the release.
08/18/2025	The (08/18/2025, C-141) application [494576] was accepted by OCD. The operator was emailed with details of this event.
08/18/2025	An application [494576] was submitted to OCD for review. It was submitted, indicating that it was an: [C-141] Application for administrative approval of a release notification and corrective action The operator was emailed confirmation of this event.
08/12/2025	The (08/18/2025, C-141) application [494576] was assigned to this incident.
07/16/2025	The (07/16/2025, C-141) application [484802] was accepted by OCD. The operator was emailed with details of this event.
07/16/2025	An application [484802] was submitted to OCD for review. It was submitted, indicating that it was an: [C-141] Application for administrative approval of a release notification and corrective action The operator was emailed confirmation of this event.
07/15/2025	The (07/16/2025, C-141) application [484802] was assigned to this incident.
07/10/2025	The (07/10/2025, NOR) application [483518] was assigned to this incident.
07/10/2025	New incident created by the operator, upon the submission of notification of release.

SIGN-IN HELP

Searches

Operator Data

Hearing Fee Application

Incident Severity

Major release as defined by 19.15.29.7(A) NMAC?

Yes No

Incident Corrective Actions

Initial Response

The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Site Characterization

What is the shallowest depth to groundwater beneath the area affected by the release?

Between 51 and 75 (ft.) bgs

What method was used to determine the depth to ground water?

NM OSE iWaters Database Search

Did this release impact groundwater or surface water?

Yes No

Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?

Between ¼ and 1 (mi.)

Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?

Between ¼ and 1 (mi.)

Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?

Between 1 and 5 (mi.)

Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?

Between 1 and 5 (mi.)

Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?

Between 1 and 5 (mi.)

Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?

Between 1 and 5 (mi.)

Are the lateral extents of the release within 300 feet of a wetland?

Greater than 5 (mi.)

Are the lateral extents of the release overlying a subsurface mine?

Greater than 5 (mi.)

Are the lateral extents of the release overlying an (non-karst) unstable area?

Between 1 and 5 (mi.)

Categorize the risk of this well / site being in a karst geology?

Low

Are the lateral extents of the release within a 100-year floodplain?

Between 1 and 5 (mi.)

Did the release impact areas not on an exploration, development, production, or storage site?

Yes No

Remediation Plan

Have the lateral and vertical extents of contamination been fully delineated?

Yes No

Was this release entirely contained within a lined containment area?

Yes No

Chloride ***

(EPA 300.0 or SM4500 Cl B)

11,300 (mg/kg)

TPH (GRO+DRO+MRO)

(EPA SW-846 Method 8015M)

0 (mg/kg)

GRO+DRO

(EPA SW-846 Method 8015M)

0 (mg/kg)

OCD Permitting - Incidents

SIGN-IN HELP

Searches Operator Data Hearing Fee Application

On what date will (or was) the remediation complete(d)	10/01/2025
What is the estimated surface area (in square feet) that will be reclaimed?	3923 (sq ft)
What is the estimated volume (in cubic yards) that will be reclaimed?	290 (cu yds)
What is the estimated surface area (in square feet) that will be remediated?	3923 (sq ft)
What is the estimated volume (in cubic yards) that will be remediated?	290 (cu yds)

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

☒ (Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)
Which OCD approved facility will be used for **off-site** disposal? [\[FEEM0112334510\]](#) HALFWAY DISPOSAL AND LANDFILL

☐ OTHER (Non-listed remedial process)?

No active remediation deferral request was found for this incident.

No remediation closure report data was found for this incident.

No reclamation report data was found for this incident.

No re-vegetation report data was found for this incident.

Orders

No Orders Found

Searches Operator Data Hearing Fee Application

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	515320	Districts:	Hobbs
Operator:	[6137] DEVON ENERGY PRODUCTION COMPANY, LP	Counties:	Lea
Description:	DEVON ENERGY PRODUCTION COMPANY, LP [6137] . THISTLE UNIT 22 CTB 2 . nAPP2519126637		
Status:	Approved		
Status Date:	10/15/2025		
References (0):			

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2519126637
Incident Name	NAPP2519126637 THISTLE UNIT 22 CTB 2 @ FAPP2123650155
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Facility	[FAPP2123650155] THISTLE UNIT 22 CTB 2

Location of Release Source

Site Name	THISTLE UNIT 22 CTB 2
Date Release Discovered	07/09/2025
Surface Owner	State

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	3,923
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/17/2025
Time sampling will commence	08:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	Leslie Mendenhall (575) 973-5675
Please provide any information necessary for navigation to sampling site	32.295136, -103.554495

Searches Operator Data Hearing Fee Application

Comments

No comments found for this submission.

Conditions

Summary: *jailey:10/15/2025* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1),(a) NMAC, may result in the remediation closure samples not being accepted.

jailey:10/15/2025 If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.

Reasons

No reasons found for this submission.

1 of 253

lmendenhall@sesi-nm.com

From: lmendenhall@sesi-nm.com
Sent: Sunday, November 16, 2025 9:33 AM
To: ocd.enviro@emnrd.nm.gov
Cc: 'Raley, Jim'; 'Leslie Mendenhall'
Subject: Extension Request - Thistle Unit 22 CTB 2 - nAPP2519126637

Flag Status: Flagged

NMOCD District II,

Safety & Environmental Solutions (SESI) on behalf of Devon Energy, respectfully submits this extension request for the nAPP2519126637 remediation project. SESI is requesting that a 30-day extension be granted to accommodate completion of remediation and preparation of the Closure Report.

Remediation: Closure Report due: 11/17/2025
Facility Site Name: Thistle Unit 22 CTB 2
Incident #: nAPP2519126637
Operator: Devon Energy
Type: Produced Water Release

Please let me know if any additional documentation is needed for this request, any changes to the timeline will be provided to the NMOCD.

Thank you,

Leslie Mendenhall
Senior VP of Environmental
Safety & Environmental Solutions
(575) 973-5675
lmendenhall@sesi-nm.com



lmendenhall@sesi-nm.com

From: Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Sent: Tuesday, November 18, 2025 3:44 PM
To: Raley, Jim; 'Leslie Mendenhall'
Cc: Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] Extension Request - Thistle Unit 22 CTB 2 - nAPP2519126637

Good afternoon,

The 30-day extension to submit the remediation closure is approved. The incident event details and the application online have been updated to reflect this change. Submit the closure report to OCD no later than 12/22/2025. Please submit this correspondence in the next report submission.

Kind regards,

From: lmendenhall@sesi-nm.com <lmendenhall@sesi-nm.com>
Sent: Sunday, November 16, 2025 9:33 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: 'Raley, Jim' <Jim.Raley@dmv.com>; 'Leslie Mendenhall' <lmendenhall@sesi-nm.com>
Subject: [EXTERNAL] Extension Request - Thistle Unit 22 CTB 2 - nAPP2519126637

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

NMOCD District II,

Safety & Environmental Solutions (SESI) on behalf of Devon Energy, respectfully submits this extension request for the nAPP2519126637 remediation project. SESI is requesting that a 30-day extension be granted to accommodate completion of remediation and preparation of the Closure Report.

Remediation: Closure Report due: 11/17/2025
Facility Site Name: Thistle Unit 22 CTB 2
Incident #: nAPP2519126637
Operator: Devon Energy
Type: Produced Water Release

Please let me know if any additional documentation is needed for this request, any changes to the timeline will be provided to the NMOCD.

Thank you,

Leslie Mendenhall
Senior VP of Environmental
Safety & Environmental Solutions
(575) 973-5675
lmendenhall@sesi-nm.com



Spill Volume Calculations		
Free Standing Fluid Volume		
How do you want to enter area?	Total area from app	
Area from app (ft ²)	960.00	
Depth of fluid		0.50 in
Number of Tanks in Fluid Affected Area (if any):		0
Tank Diameter (if needed):		0.0 ft
Volume of Standing Fluid	7.12 bbl	
Contaminated Soil Calculations		
How do you want to enter area?	Total area from app	
Area from app (ft ²)	1098.00	
Depth of impacted soil	0.15 in	
Soil Type	Sand	
Spilled Material	Produced Water	
Soil Saturation	Moist - some color change; little to no moisture left on hands	
Volume of Spill In Soil	0.60	bbls
Total Spill Volume	7.72	bbls

Person Reporting	ARCHIE DUARTE	
Foreman Name	CHRIS GASTON	
Facility or Well Name	THISTLE 185H	
API (If applicable)		
Lat/Long	LAT N 32° 17' 43.18" LONG W 103° 33' 16.52"	
M3#		
Please include the following with report:	Picture of Lease Sign - Pictures of Spill - Screen Shot of Volume Calculations	
Date and Time of Incident	7-9-25 7:30AM	
Description of Incident	leak on 3-phase water dump spool	
Immediate Actions	isolate and shut in well	
	Released (Bbls)	Recovered (Bbls)
Fluid Type		
Oil		
Produced Water	7.72	7
Gas		
Other		

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 536112

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 536112
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2519126637
Incident Name	NAPP2519126637 THISTLE UNIT 22 CTB 2 @ FAPP2123650155
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2123650155] THISTLE UNIT 22 CTB 2

Location of Release Source*Please answer all the questions in this group.*

Site Name	THISTLE UNIT 22 CTB 2
Date Release Discovered	07/09/2025
Surface Owner	State

Incident Details*Please answer all the questions in this group.*

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Dump Line Produced Water Released: 8 BBL Recovered: 7 BBL Lost: 1 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	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Leak on 3-phase separator dump spool allowed fluids to be released to separator skid, approx 7 bbls recovered, 1 bbl impacted pad surface by leaking from skid.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 536112

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 536112
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<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: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 12/18/2025
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Sante Fe Main Office
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General Information
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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 536112

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 536112
	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 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
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	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	11300
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	08/20/2025
On what date will (or did) the final sampling or liner inspection occur	09/01/2025
On what date will (or was) the remediation complete(d)	10/01/2025
What is the estimated surface area (in square feet) that will be reclaimed	3923
What is the estimated volume (in cubic yards) that will be reclaimed	290
What is the estimated surface area (in square feet) that will be remediated	3923
What is the estimated volume (in cubic yards) that will be remediated	290

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 536112

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 536112
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 12/18/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 536112

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 536112
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 536112

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 536112
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	515320
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/17/2025
What was the (estimated) number of samples that were to be gathered	20
What was the sampling surface area in square feet	3923

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	3923
What was the total volume (cubic yards) remediated	150
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	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Remediation Complete

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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 12/18/2025
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QUESTIONS, Page 7

Action 536112

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 536112
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 536112

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 536112
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Remediation closure is approved.	12/22/2025
michael.buchanan	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	12/22/2025
michael.buchanan	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	12/22/2025
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	12/22/2025
michael.buchanan	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	12/22/2025
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	12/22/2025