EPIC Energy LLC

Well Name: State 16 #001

API: 30-039-24528

SPILL CALCULATIONS

Walsh Engineering on behalf of Epic Energy, LLC knows the horizontal extent but not the vertical extent, therefore it is unknown.

Ancell Environmental Consulting Services, LLC
180 E 12th St.
Durango, CO 81301

October 21, 2025

Steve Rodgers
New Mexico Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
1220 South Francis St. Drive
Santa Fe, NM 87505

RE: Remediation Work Plan
Epic Energy State 16-1
Incident number nAPP2427846610
API# 30-039-24528
Rio Arriba County, New Mexico

To whom it may concern:

On behalf of Epic Energy, Ancell Environmental Consulting Services (AECS) has prepared the following Remediation Work Plan (Work Plan) to document soil sampling activities and propose to complete final delineation and confirmation sampling of an historic release near the former above ground storage tank (AST) and separator at the Epic Energy State 16-1 (Site).

Site Description and Release Summary

The Site is located in Unit D, Section 16 Township 23 North Range 06 West, Rio Arriba County, New Mexico. The Site is approximately 2 miles northwest of Counselor, New Mexico (36.2299767, -107.4816666) and is located on New Mexico State Trust Land under the Jurisdiction of the New Mexico State Land Office (NMSLO) (NMSLO Lease #E01207) (Figure 1).

On October 10, 2023, the NMSLO identified a potential release on historical aerial imagery. On April 12 and May 13, 2024, Walsh Engineering (Walsh) personnel conducted site assessment activities near an AST and separator. Based on laboratory analytical results, Epic Energy reported the historic release to the New Mexico Oil Conservation Division (NMOCD) via Notification of Release on October 4, 2023, and submitted an initial C-141 Application on February 6, 2025. The release was assigned Incident Number nAPP2427846610. On February 12, 2025, the Initial C-141 Application was rejected for various site characterization issues. On July 3, 2025, a Remediation Work Plan and corrected C-141 application was filed and on September 23, 2025, the Work Plan was denied due to the inclusion of an additional area of interest and the incorrect concentrations reported on the application. The C-141 application and agency coorespondence is included in Appendix A.

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180 E 12th St.
Durango, CO 81301

Site Characterization

A full site characterization was assessed through a desktop review of the United States Geological Survey (USGS) topographic maps, Federal Emergency Management Administration (FEMA) Google Earth Pro (GEP) maps, New Mexico Office of the State Engineer (NMOSE) database, New Mexico Water Rights Reporting System (NMWRRS), Aerial photographs, and Site-specific observations (Figure 2.1). Supplemental Site Characterization documentation is included in Appendix B.

Depth to groundwater at the Site is greater than 100 feet below ground surface based on nearest groundwater well data. NMOSE well San Juan (SJ) 01156 point of diversion (POD) located approximately 1.6 miles from the Site with a recorded depth to water at 200 feet bgs. The well is approximately 79 feet higher in elevation than the Site, therefore the depth to ground water at the Site is estimated to be 121 feet bgs. The USGS permitted site number 36133010727901 is located approximately 1.5 miles from the Site and the recorded depth to water is 300 ft bgs. The USGS well is approximately 89 feet higher in elevation than the Site, therefore the depth to ground water is estimated to be 211 ft bgs. Based on the water well data available, the relative depth to water is between 121 and 211 ft bgs at the Site.

There are no registered private or domestic water sources listed within a half mile of the release area in the New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) imaging database in the same or adjacent Public Land Survey System (PLSS) sections.

The closest continuously flowing or significant watercourses to the Site as defined in 19.15.7 NMAC are two unnamed intermittent streams, one to the east and one to the west (Figure 2.2). Both mapped blue lines are less than 300 feet from the release area. Haynes Canyon is located 444 feet east of the Site.

Additional site considerations showed there are no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains located within the distances specified in 19.15.29.12.(4) NMAC.

Closure Criteria for Soils Impacted by a Release

Due to the proximity of the watercourses, per Subparagraph (a) of 19.15.29.12 (4) NMAC, Epic Energy must treat the release as if it occurred less than 50 feet to ground water and adopt the most stringent closure criteria in NMOCD Table I for all remediation activities at the Site.

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Durango, CO 81301

Table I Closure Criteria for Soils Impacted by a Release			
	Constituent	Method[1]	Limit[2]
≤ 50 feet	Chloride[3]	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

[1]Or other test methods approved by the division.
[2]Numerical limits or natural background level, whichever is greater.
[3]This applies to releases of produced water or other fluids, which may contain chloride.

Additionally, in accordance with 19.15.29.13.D (1) NMAC and *Procedures for Implementation of the Spill Rule (2019)*, a minimum of four feet of non-waste containing, uncontaminated, earthen material will be left in place to facilitate reseeding and revegetation after plugging and abandonment activities are completed.

Benzene 10 mg/kg
BTEX 50 mg/kg
Total TPH (GRO+DRO+ORO) 100 mg/kg
Chloride 600 mg/kg

Remediation Activities Summary

Between April and December 2024, field work was conducted at the Site by Walsh representatives. The results of the initial investigations in April and May indicated that soil contaminant concentrations were above the site-specific NMOCD standards listed in 19.15.29 NMAC. The horizontal and vertical limit of contamination was not defined; therefore, an estimated volume of impacted soil is unknown.

Initial Site Assessment and Results

On April 12, 2024, Walsh personnel installed one soil boring on the south side of the AST (Figure 3). One discrete soil sample (State 16-1 AGT SW) was collected at one-foot bgs and submitted for laboratory analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX), total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO), and oil range organics (ORO), and chlorides. All soil samples were analyzed for BTEX per United States Environmental Protection Agency (USEPA) Method 8021B; TPH per USEPA Method 8015M; and chloride per USEPA Method 300.0.

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Durango, CO 81301

The soil sample was placed into a new, clean, laboratory- supplied container, which was labeled with the location, date, time, and sampler name, placed on ice. The soil sample was transported under strict chain-of-custody procedures to Envirotech Analytical Laboratory (Envirotech) in Farmington, New Mexico.

On May 13, 2024, Walsh personnel returned to the Site to continue delineation and soil sampling activities. An additional soil boring was installed in the immediate vicinity of the previous soil boring and advanced to 4 feet bgs (Figure 3). Discrete samples (AGT SW 2 FT and AGT SW 4 FT) were collected at 2 feet bgs and 4 feet bgs and submitted for laboratory analysis of BTEX, TPH, and chlorides.

Laboratory analytical results for delineation soil samples reported BTEX and TPH concentrations below laboratory detection limits. Chloride concentrations were reported at 2,660 milligrams per kilogram (mg/kg) at 1 ft bgs, 422 mg/kg at 2 ft bgs, and 835 mg/kg at 4 ft bgs (Table 1). The chloride concentrations are above Closure Criteria for the site at 1 ft and 4 ft bgs and indicated that additional assessment activities were necessary at the Site. The laboratory analytical reports are included in Appendix C.

Plugging and Abandonment Activities

In September 2024, plugging and abandonment activities commenced at the Site. Walsh personnel was onsite to witness the tank removal and reported no liner under the tank, no holes or corrosion on the bottom or sides of the tank, and no odor or stained soil below the tank.

Excavation Activities

Based on the results of the initial assessment and field observations, Walsh personnel recommended traditional dig and haul methods near the former tank. On October 10, 2024, three (3) 5-point composite samples were collected from the excavation (Water Pit Floor, Water Pit South Wall, and Water Pit North Wall) (Figure 4).

All soil samples were collected under the same protocol as listed above and transported under strict chain-of-custody protocol to Envirotech in Farmington, New Mexico. All soil samples were analyzed for BTEX per USEPA Method 8021B; TPH as GRO, DRO, and ORO per USEPA Method 8015M; and chloride per USEPA Method 300.0.

The laboratory analytical results for all the initial excavation samples reported concentrations of benzene, BTEX and TPH below laboratory detection limits and the applicable NMOCD Table I Closure Criteria. Chloride concentrations were reported at 281 mg/kg on the south wall, 741 mg/kg on the north wall, and 801 mg/kg at the base of the excavation. The excavation extent was 14 ft by 15 feet by 5 feet deep. Based on these laboratory results, additional excavation activities were required on the north wall and base.

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Durango, CO 81301

On December 12, 2024, two feet of soil was removed from the north wall and six inches was removed from the base. One (1) five-point composite sample (Water Pit North Wall) was collected from the north wall and submitted for laboratory confirmation of BTEX, TPH and chlorides. Laboratory analytical results for the December 12, 2024, Water Pit North Wall sample reported benzene and BTEX concentrations below laboratory detection limits. TPH as GRO was reported below detection limits of 20.0 mg/kg; TPH as DRO was reported at 29.9 mg/kg; and TPH as ORO was reported at 183 mg/kg with a Total TPH concentration of 213 mg/kg. Chloride concentration was reported below the laboratory detection limit of 20 mg/kg. The excavation extent measured 16 ft by 17 ft by 5.5 ft deep and the estimated total volume of soil removed from the Site is approximately 39 cubic yards (Figure 4). Impacted soils were disposed of at the Envirotech Landfarm. The excavation laboratory analytical data is included in Table 2. The laboratory analytical reports are included in Appendix C and the Walsh excavation photographic log and field notes are included in Appendix D and Appendix E, respectively.

Proposed Site Remediation Plan

Based on the laboratory analytical results, the release has not been fully delineated horizontally or vertically. During the November excavation sampling event, the North Wall and Floor samples were above the regulatory limits for chlorides. During the December excavation sampling event, 6 inches of soil was removed from the base but no sample was collected to confirm regulatory compliance. An additional two feet of soil was removed from the North Wall and while laboratory results for the North Wall sample reported chloride concentrations below the method detection limits, the Total TPH concentration was reported at 213 mg/kg and above the regulatory limits of 100 mg/kg. AECS proposes the following steps to continue characterizing the release to move towards confirmation sampling and closure reporting.

- AECS proposes to continue delineation activities while excavating. Field screening tools, such as a PetroFlag hydrocarbon analyzer, may be used to guide delineation activities along the north wall.
- AECS will submit the 48-hour sampling notification to the NMOCD and 4-day sampling notification to the NMSLO prior to conducting confirmation sampling.
- Following the removal of impacted soils, AECS will collect 5-point composite confirmation samples from the base and sidewalls of the excavation. Confirmation soil samples will represent no more than 200 square feet.
- All soil samples collected for laboratory analysis will be placed into new, clean, laboratory- supplied container, labeled with the location, date, time, and sampler name, and placed on ice. The soil samples will be transported under strict chain-of-custody procedures to Envirotech. All samples will be analyzed for benzene and BTEX per USEPA Method 8021B; TPH as GRO, DRO, and ORO per USEPA Method 8015M; and chloride per USEPA Method 300.0.

Ancell Environmental Consulting Services, LLC
180 E 12th St.
Durango, CO 81301

- All contaminated soil will be disposed of a division approved disposal facility.
- Upon receiving laboratory analytical results below the NMOCD Table 1 Closure Criteria, the excavation will be backfilled with material that matches the natural soil horizons.

Upon approval of the Work Plan, Epic Energy will commence remediation activities immediately. Once soil contaminant concentrations are below the closure criteria for impacted soils listed in NMOCD Table 1 19.15.29 NMAC, on behalf of Epic Energy, AECS will submit a closure report within 90 days of the date of approval of this Work Plan.

Epic Energy believes this Work Plan is protective of freshwater, human health, and the environment and respectfully requests approval for continued remediation activities at the State 16-1.

If you have any questions, please contact AECS.

Sincerely,

Emilee Skyles

Emilee Skyles
Project Manager

Brian Skyles

Brian Skyles
Program Manager

Limitations

Ancell Environmental Consulting Services has prepared this Remediation Work Plan to the best of its ability. No other warranty, expressed or implied, is made or intended. AECS has reviewed and relied upon documents referenced in this report and on oral statement made by individuals. AECS has not conducted an independent examination of the facts contained in the referenced materials and statements. AECS has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. AECS notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report. AECS is aware that the sampling approach during the initial investigation was not conducted in accordance with the requirements set forth in 19.15.29 NMAC. Methods presented here are described as they were carried out and variances have been requested per 19.15.29.14 NMAC that will provide equal or better protection of fresh water, public health and the environment.

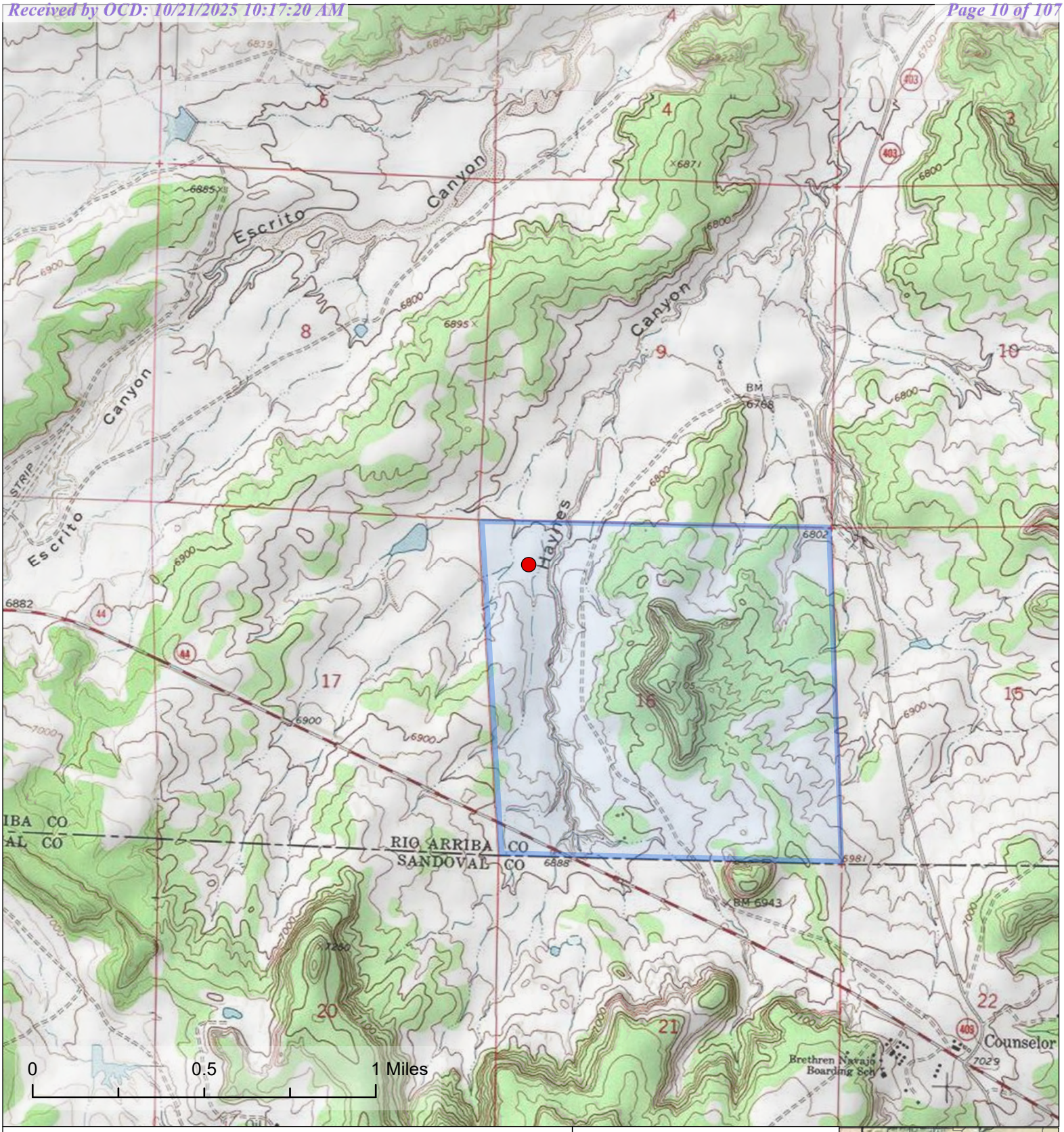
Ancell Environmental Consulting Services, LLC
180 E 12th St.
Durango, CO 81301

Figures

Tables

Appendices

FIGURES



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Epic Energy State 16-1
Incident Number nAPP2427846610
API# 30-039-24528
Rio Arriba County, New Mexico

N
W E
S

State 16-1 Well Monument

State Trust Land

Figure 1
Site Location Map

Ancell Environmental Consulting Services 2025

UTM NAD 83: Zone 13N; 276988mE, 4012300mN | Longitude -107.481386°W, Latitude 36.229866°N
NW1/4 NW1/4, Section 16, T23N ,R6W; NM PM | USGS Counselor, NM Quadrangle (1:24,000; 1970)
Scale: 1:24,000 | Rio Arriba County, New Mexico

Map Created by Gage Norris
on Behalf of Ancell Consulting LLC
Prepared for: Epic Energy
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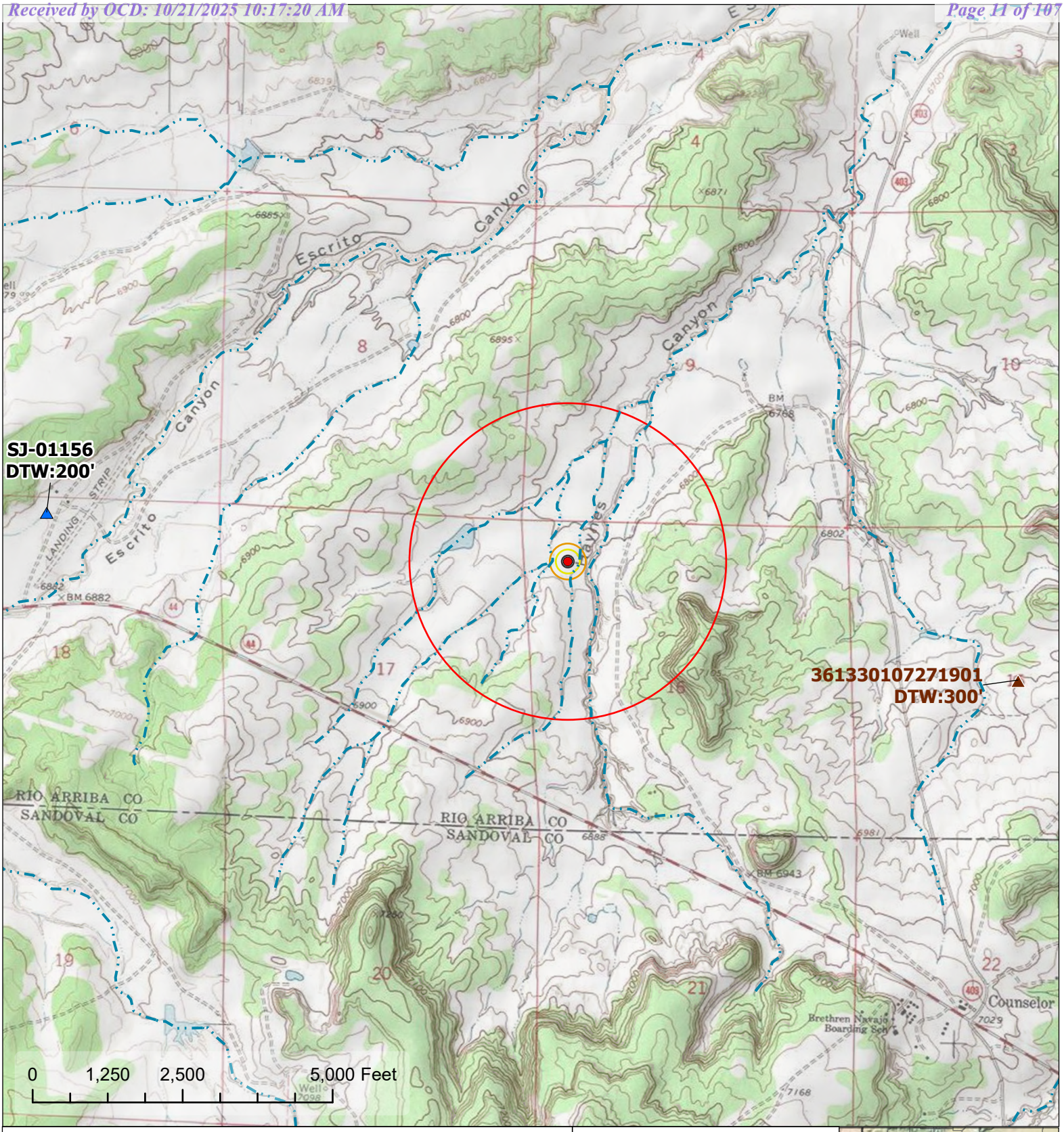

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Epic Energy State 16-1
Incident Number nAPP2427846610
API# 30-039-24528
Rio Arriba County, New Mexico

N
W E
S

- State 16-1 Well Monument
- OSE Point of Diversion
- USGS Historical Groundwater Well
- Ephemeral/Intermittent Stream
- 100' Buffer
- 200" Buffer
- 300' Buffer
- 0.5 Mile Buffer

UTM NAD 83: Zone 13N; 276988mE, 4012300mN | Longitude -107.481386°W, Latitude 36.229866°N
NW1/4 NW1/4, Section 16, T23N ,R6W; NM PM | USGS Counselor, NM Quadrangle (1:24,000; 1970)
Scale: 1:26,000 | Rio Arriba County, New Mexico

Figure 2.1
Site Receptor Map:
Wells

Ancell Environmental
Consulting Services
2025

Map Created by Gage Norris
on Behalf of Ancell Consulting LLC
Prepared for: Epic Energy
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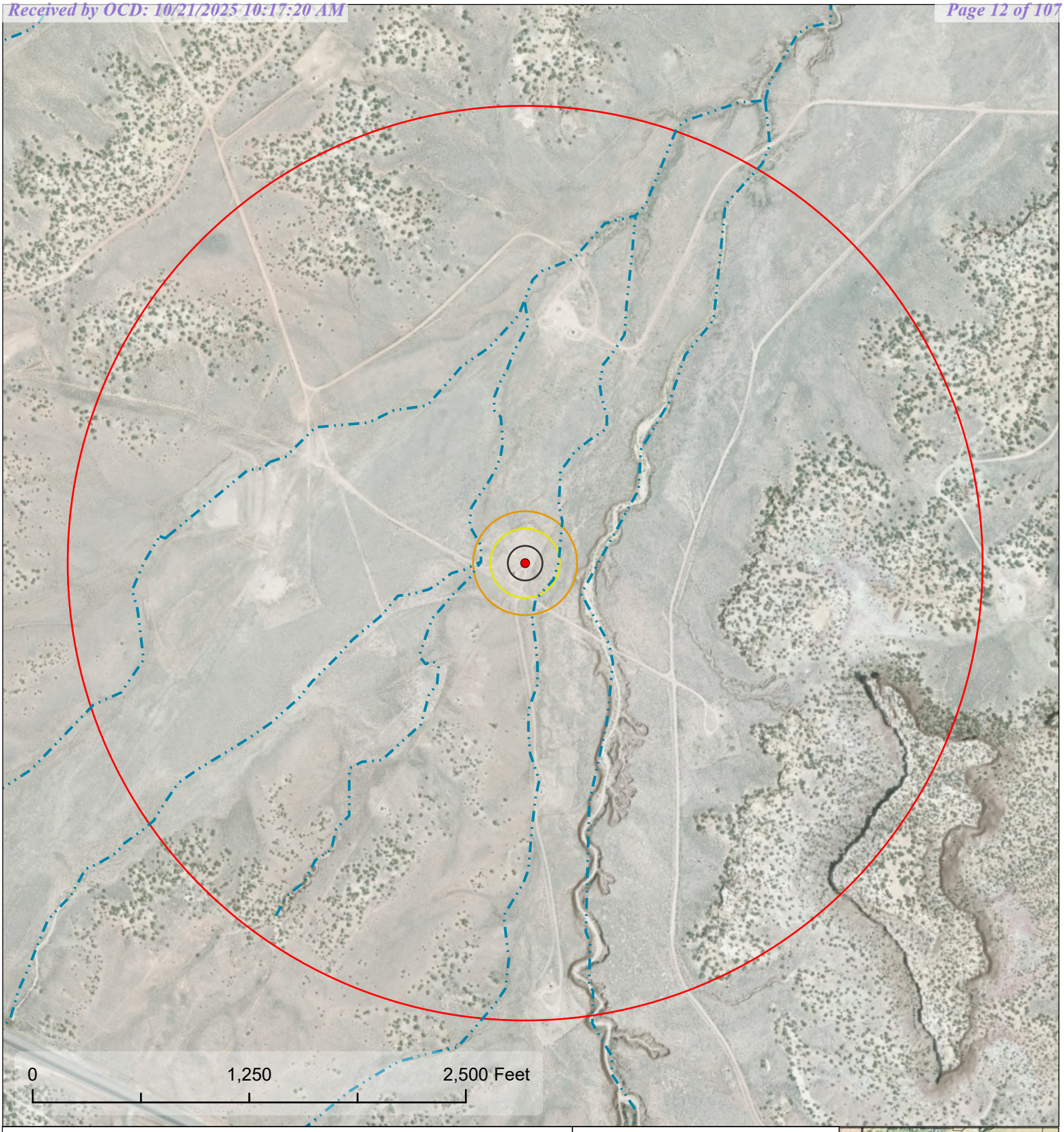

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Epic Energy State 16-1
Incident Number nAPP2427846610
API# 30-039-24528
Rio Arriba County, New Mexico

N
W E
S

State 16-1 Well
Monument

Ephemeral/Intermittent
Stream

100' Buffer
200" Buffer
300' Buffer
0.5 Mile Buffer

UTM NAD 83: Zone 13N; 276988mE, 4012300mN | Longitude -107.481386°W, Latitude 36.229866°N
NW1/4 NW1/4, Section 16, T23N ,R6W; NM PM | USGS Counselor, NM Quadrangle (1:24,000; 1970)
Scale: 1:9,000 | Rio Arriba County, New Mexico

Figure 2.2
Site Receptor Map:
Surface Water

Ancell Environmental
Consulting Services
2025

Map Created by Gage Norris
on Behalf of Ancell Consulting LLC
Prepared for: Epic Energy
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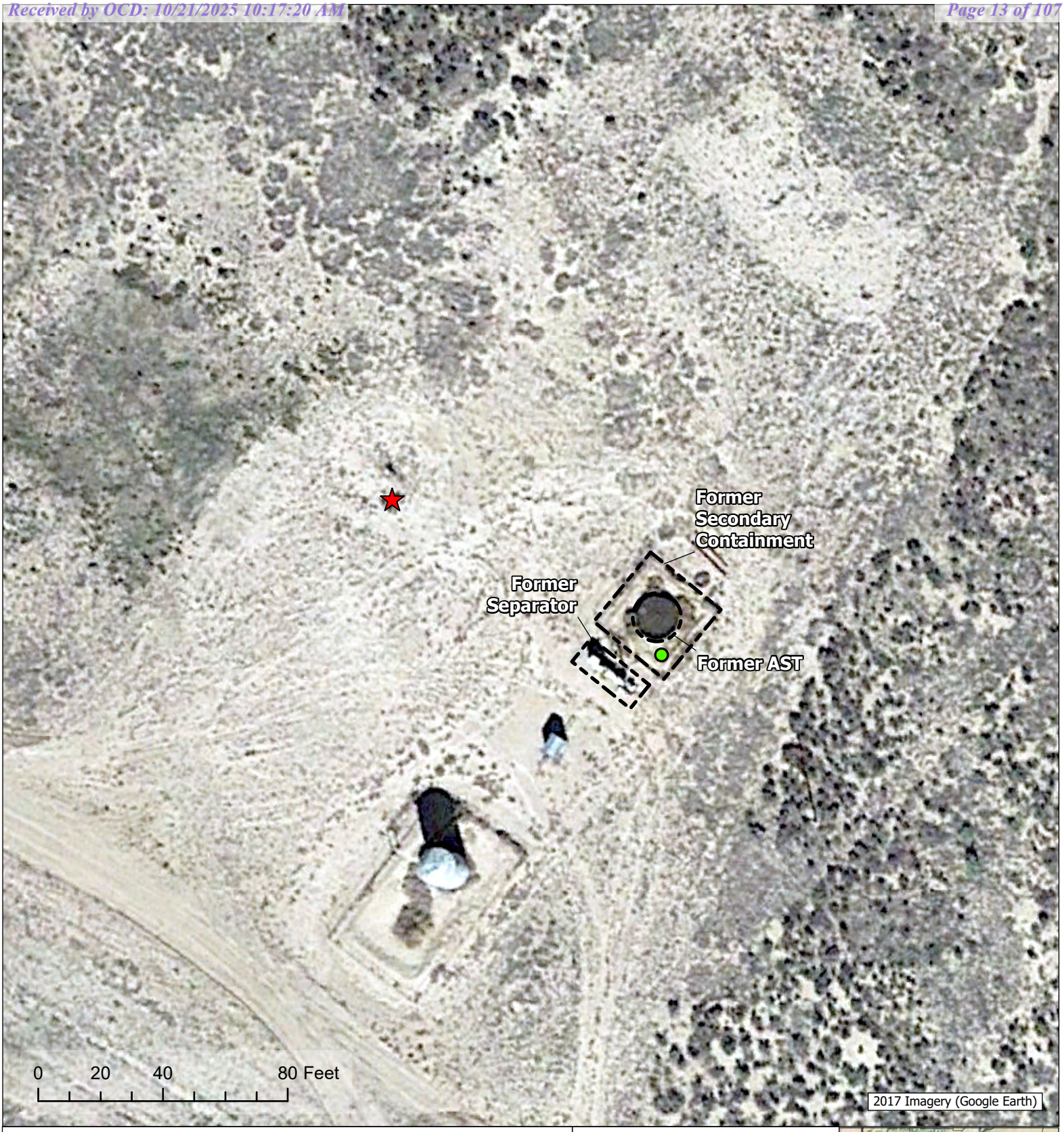

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Epic Energy State 16-1
Incident Number nAPP2427846610
API# 30-039-24528
Rio Arriba County, New Mexico

N
W E
S

State 16-1 Well Monument

Walsh Investigation Soil Boring Locations (4/12/25 and 5/13/25)

Former Site Feature

UTM NAD 83: Zone 13N; 276988mE, 4012300mN | Longitude -107.481386°W, Latitude 36.229866°N
NW1/4 NW1/4, Section 16, T23N ,R6W; NM PM | USGS Counselor, NM Quadrangle (1:24,000; 1970)
Scale: 1:500 | Rio Arriba County, New Mexico

Figure 3 Initial Assessment Sample Locations

Ancell Environmental Consulting Services 2025

Map Created by Gage Norris
on Behalf of Ancell Consulting LLC
Prepared for: Epic Energy
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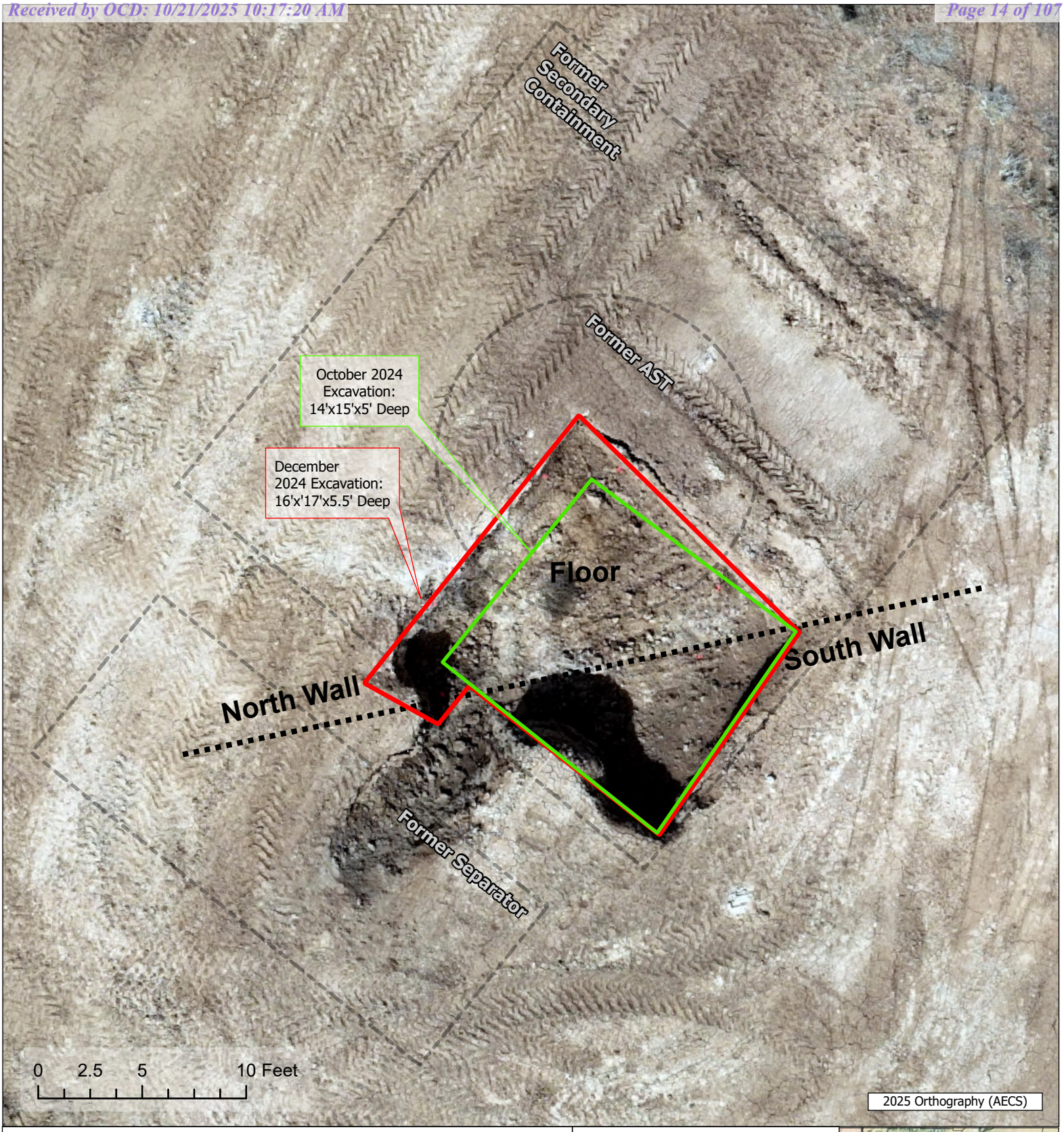

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Epic Energy State 16-1
Incident Number nAPP2427846610
API# 30-039-24528
Rio Arriba County, New Mexico

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Former Site Feature

Figure 4
Initial Excavation Extents

Ancell Environmental Consulting Services 2025

Map Created by Gage Norris
on Behalf of Ancell Consulting LLC
Prepared for: Epic Energy
Date Exported: 10/20/2025 4:13 PM

UTM NAD 83: Zone 13N; 276988mE, 4012300mN | Longitude -107.481386°W, Latitude 36.229866°N
NW1/4 NW1/4, Section 16, T23N ,R6W; NM PM | USGS Counselor, NM Quadrangle (1:24,000; 1970)
Scale: 1:75 | Rio Arriba County, New Mexico

TABLES

Table 1. Initial Assessment - Laboratory Analytical Results
Epic Energy State 16 -1
API 30-039-24528
Incident #nAPP24227846610
State Land Office Lease# E01207
Section16 Township 23 North Range 6 West
36.229688, -107.481698
Rio Arriba County, New Mexico

			TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	TPH - ORO (mg/kg)	Total TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	BTEX (mg/kg)	Chlorides (mg/kg)
NMOCD Table 1 Closure Critera (19.15.29 NMAC)			**--**	**--**	**--**	**100**	**10**	**--**	**--**	**--**	**50**	**600**
Reclamation of Areas No longer in use (19.15.29.13 (D) NMAC)			**--**	**--**	**--**	**100**	**10**	**--**	**--**	**--**	**50**	**600**
Sample Date	Sample ID	Sample Depth (ft bgs)										
4/12/24	State 16-1 AGT SW	1	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	**2,660**
5/10/24	AGT SW 2FT	2	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	422
5/10/24	AGT SW 4FT	4	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	**835**

NOTES:
TPH - Total Petroleum Hydrocarbons
GRO - Gasoline Range Organics
DRO - Diesel Range Organics
ORO - Oil Range Organics
BTEX - benzene, toluene, ethylbenzene, and total xylenes
mg/kg - milligrams/kilograms
NMOCD - New Mexico Oil Conservation Division
NMAC - New Mexico Administrative Code
ft bgs - feet below ground surface
< - analyte not detected at or above the reporting limit

Table 2. Initial Excavation - Laboratory Analytical Results
Epic Energy State 16 -1
API 30-039-24528
Incident #nAPP24227846610
State Land Office Lease# E01207
Section16 Township 23 North Range 6 West
36.229688, -107.481698
Rio Arriba County, New Mexico

			TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	TPH - ORO (mg/kg)	Total TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	BTEX (mg/kg)	Chlorides (mg/kg)
NMOCD Table 1 Closure Critera (19.15.29 NMAC)			--	--	--	**100**	**10**	--	--	--	**50**	**600**
Reclamation of Areas No longer in use (19.15.29.13 (D) NMAC)			--	--	--	**100**	**10**	--	--	--	**50**	**600**
Sample Date	Sample ID	Sample Depth (ft bgs)										
10/10/24	Water Pit Floor	5	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	**801**
10/10/24	Water Pit South Wall	0 to 5	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	281
10/10/24	Water Pit North Wall	0 to 5	<20.0	<25.0	<50.0	<95.0	<0.0250	<0.0250	<0.0250	<0.0750	<0.150	**741**
12/12/24	Water Pit North Wall	0 to 5	<20.0	29.9	183	**213**	<0.0250	<0.025	<0.0250	<0.0500	<0.150	<20.0

NOTES:
TPH - Total Petroleum Hydrocarbons
GRO - Gasoline Range Organics
DRO - Diesel Range Organics
ORO - Oil Range Organics
BTEX - benzene, toluene, ethylbenzene, and total xylenes
mg/kg - milligrams/kilograms
NMOCD - New Mexico Oil Conservation Division
NMAC - New Mexico Administrative Code
ft bgs - feet below ground surface
< - analyte not detected at or above the reporting limit

APPENDIX A

State 16 #1 NOR

Shawna Martinez

From: OCDOnline@state.nm.us
Sent: Friday, October 4, 2024 12:57 PM
To: Shawna Martinez
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 390120

To whom it may concern (c/o Shawna Martinez for EPIC ENERGY, L.L.C.),

The OCD has accepted the submitted *Notification of a release* (NOR), for incident ID (n#) nAPP2427846610,
with the following conditions:

- **When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.**

Please reference nAPP2427846610, on all subsequent C-141 submissions and communications regarding the remediation of this release.
NOTE: As of December 2019, NMOCD has discontinued the use of the "RP" number.
If you have any questions regarding this application, or don't know why you have received this email, please contact us.

ocd.enviro@state.nm.us

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

State 16 #1

Shawna Martinez

From: OCDOnline@state.nm.us
Sent: Friday, February 7, 2025 9:45 AM
To: Shawna Martinez
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 429374

To whom it may concern (c/o Shawna Martinez for EPIC ENERGY, L.L.C.),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2427846610,
with the following conditions:

- **Initial C-141 approved. Please note that the Initial C-141 was due on 10/25/2023.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Scott Rodgers
Environmental Specialist - A
505-469-1830
scott.rodgers@emnrd.nm.gov

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

State 16 #1

Shawna Martinez

From: OCDOnline@state.nm.us
Sent: Wednesday, February 12, 2025 11:39 AM
To: Shawna Martinez
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 429381

To whom it may concern (c/o Shawna Martinez for EPIC ENERGY, L.L.C.),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2427846610,
for the following reasons:

- **This application has been rejected because the C-141 is incomplete and/or incorrect. The submitted application indicates a conflict between the questions answered and the attachments that have been submitted. For example, the answer "Yes" was selected to the question "Was the release entirely contained within a lined containment area"; however, your attachments indicate that the release was not in a lined containment area. Please revisit the answers to the site characterization section of the application.**
- **The depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided in the submission. The responsible party may choose to remediate to the most stringent levels listed in Table 1 of 19.15.29 NMAC in lieu of drilling to determine the depth to groundwater.**
- **Please provide a map that clearly show horizontal delineation/confirmation samples for entire release perimeter to accurately define the release extent. Please resubmit an updated edited version of the remediation plan by 04/14/2025.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 429381.
Please review and make the required correction(s) prior to resubmitting.
If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Scott Rodgers
Environmental Specialist - A
505-469-1830
scott.rodgers@emnrd.nm.gov

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

Shawna Martinez

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Wednesday, February 19, 2025 11:31 AM
To: Shawna Martinez
Subject: RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has rejected the application, Application ID: 429381

Good Morning Shawna,

- "Was the release entirely contained within a **lined** containment area." There are two areas of concern and neither of them have been proven to be in a lined containment.
- Please state in your report that you are remediating to the strictest criteria, the table on page 6 of your report does not make that clear.
- The areal site map on page 7 does not show the delineation area, it only shows a few sample points. Please zoom into each area and clearly show the boundaries of the delineation with the sample points included. The site pictures only show holes in the ground with augers in them.
- The version of the remediation plan that was submitted has editing comments still in it

Please let me know if you have any questions.

Thank you,
Scott

Scott Rodgers • Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland NE, Suite B | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Shawna Martinez <shawna@walsheng.net>
Sent: Tuesday, February 18, 2025 9:54 AM
To: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Subject: [EXTERNAL] RE: The Oil Conservation Division (OCD) has rejected the application, Application ID: 429381

Good Morning Scott,

The State Land Office approved the Remediation Plan (August 2, 2024) and the State 16 #001 is currently being remediated

- On October 10, 2023, State Land Office representative discovered a visibly impacted stain material on the west side of above grade tank (AGT) and a significant pit scar seen on the north side of the well pad. An unknown amount of produced water was released and stayed within the bermed secondary containment after evaluating the stained area. No released fluids were recovered at the time of discovery. Uncertain how and when release occurred. After inspecting the AGT there were no holes or cracks observed.
- Will be remediated to the most stringent levels listed in Table 1 of 19.15.29 NMAC
- Delineation is documented on the Aerial site map and site pictures.

Thank You,

Shawna Martinez
Regulatory
Walsh Engineering & Production
Office: 505-327-4892
Mobile: 505-635-9042
Shawna@walsheng.net

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, February 12, 2025 11:39 AM
To: Shawna Martinez <shawna@walsheng.net>
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 429381

To whom it may concern (c/o Shawna Martinez for EPIC ENERGY, L.L.C.),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2427846610,
for the following reasons:

- **This application has been rejected because the C-141 is incomplete and/or incorrect. The submitted application indicates a conflict between the questions answered and the attachments that have been submitted. For example, the answer "Yes" was selected to the question "Was the release entirely contained within a lined containment area"; however, your attachments indicate that the release was not in a lined containment area. Please revisit the answers to the site characterization section of the application.**
- **The depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided in the submission. The responsible party may choose to remediate to the most**

stringent levels listed in Table 1 of 19.15.29 NMAC in lieu of drilling to determine the depth to groundwater.

- **Please provide a map that clearly show horizontal delineation/confirmation samples for entire release perimeter to accurately define the release extent. Please resubmit an updated edited version of the remediation plan by 04/14/2025.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 429381.
Please review and make the required correction(s) prior to resubmitting.
If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Scott Rodgers
Environmental Specialist - A
505-469-1830
scott.rodgers@emnrd.nm.gov

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

Shawna Martinez

From: OCDOnline@state.nm.us
Sent: Friday, September 26, 2025 1:37 PM
To: Shawna Martinez
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 457529

To whom it may concern (c/o Shawna Martinez for EPIC ENERGY, L.L.C.),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2427846610,
for the following reasons:

- **The remediation plan is denied. 1) If the pit scar area will be remediated under a separate incident, please do not include it in the report for this incident. 2) Please advise the OCD if the pit scar will be remediated under a separate incident number. 3) When dealing with different areas of concern on the same incident report, those areas need to be logically named or labeled, and all information should be in separate and specific areas of the report. Or each area of concern can be handled under separate incident numbers. 4) Please provide a map showing each area of concern with labels to help distinguish them. 4) On the application page under the Remediation Plan section, please provide the highest observable value that was found for each contaminant of concern and not the remediation limits that you are working under.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 457529.
Please review and make the required correction(s) prior to resubmitting.
If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Scott Rodgers
Environmental Specialist - A
505-469-1830
scott.rodgers@emnrd.nm.gov

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

APPENDIX B

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	SJ 01156	2	2	1	18	23N	06W	274330	4012555*

Driller License:	867	**Driller Company:**	HUTCHESON DRILLING CO.		
Driller Name:	WESTERN DRILLING				
Drill Start Date:	04/10/1980	**Drill Finish Date:**	04/20/1980	**Plug Date:**	
Log File Date:	06/16/1980	**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	7.00	**Depth Well:**	1500 feet	**Depth Water:**	200 feet

***UTM location was derived from PLSS - see Help**

National Flood Hazard Layer FIRMette

FEMA

107°29'13"W 36°14'2"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

107°28'35"W 36°13'33"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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 10/21/2025 at 2:04 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.

APPENDIX C

Report to:

Clay Green

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Epic Energy

Project Name:	State 16 Lease
Work Order:	E404135
Job Number:	18012-0006
Received:	4/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/19/24

Date Reported: 4/19/24

Clay Green
7415 Main Street
Farmington, NM 87402

Project Name: State 16 Lease
Workorder: E404135
Date Received: 4/12/2024 1:15:00PM

Clay Green,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/12/2024 1:15:00PM, under the Project Name: State 16 Lease.

The analytical test results summarized in this report with the Project Name: State 16 Lease 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 reguarding 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
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Golzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Epic Energy	Project Name:	State 16 Lease	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Clay Green	04/19/24 16:14

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
State 16-1 Pit Scar	E404135-01A	Soil	04/12/24	04/12/24	Glass Jar, 4 oz.
State 16-1 AGT SW	E404135-02A	Soil	04/12/24	04/12/24	Glass Jar, 4 oz.
State 16-2 SE Corner	E404135-03A	Soil	04/12/24	04/12/24	Glass Jar, 4 oz.
State 16-4 SE Quadrant	E404135-04A	Soil	04/12/24	04/12/24	Glass Jar, 4 oz.
State 16-5 Pit E of WH	E404135-05A	Soil	04/12/24	04/12/24	Glass Jar, 4 oz.
State 16-6 NE	E404135-06A	Soil	04/12/24	04/12/24	Glass Jar, 4 oz.
State 16-6 NW	E404135-07A	Soil	04/12/24	04/12/24	Glass Jar, 4 oz.

Sample Data

Epic Energy	Project Name:	State 16 Lease	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	4/19/2024 4:14:33PM

State 16-1 Pit Scar

E404135-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2416059
Benzene	ND	0.0250	1	04/17/24	04/17/24	
Ethylbenzene	ND	0.0250	1	04/17/24	04/17/24	
Toluene	ND	0.0250	1	04/17/24	04/17/24	
o-Xylene	ND	0.0250	1	04/17/24	04/17/24	
p,m-Xylene	ND	0.0500	1	04/17/24	04/17/24	
Total Xylenes	ND	0.0250	1	04/17/24	04/17/24	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*04/17/24*	*04/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2416059
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/17/24	04/17/24	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*04/17/24*	*04/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2416091
Diesel Range Organics (C10-C28)	**175**	25.0	1	04/18/24	04/19/24	
Oil Range Organics (C28-C36)	**285**	50.0	1	04/18/24	04/19/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*04/18/24*	*04/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2416084
Chloride	**95.5**	20.0	1	04/17/24	04/19/24	

Sample Data

Epic Energy	Project Name:	State 16 Lease	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	4/19/2024 4:14:33PM

State 16-1 AGT SW

E404135-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2416059
Benzene	ND	0.0250	1	04/17/24	04/17/24	
Ethylbenzene	ND	0.0250	1	04/17/24	04/17/24	
Toluene	ND	0.0250	1	04/17/24	04/17/24	
o-Xylene	ND	0.0250	1	04/17/24	04/17/24	
p,m-Xylene	ND	0.0500	1	04/17/24	04/17/24	
Total Xylenes	ND	0.0250	1	04/17/24	04/17/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: Toluene-d8		*99.7 %*	*70-130*	*04/17/24*	*04/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2416059
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/17/24	04/17/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: Toluene-d8		*99.7 %*	*70-130*	*04/17/24*	*04/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2416091
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/24	04/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/24	04/18/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*04/18/24*	*04/18/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2416084
Chloride	**2660**	40.0	2	04/17/24	04/19/24	

Sample Data

Epic Energy	Project Name:	State 16 Lease	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	4/19/2024 4:14:33PM

State 16-2 SE Corner

E404135-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2416059
Benzene	ND	0.0250	1	04/17/24	04/17/24	
Ethylbenzene	ND	0.0250	1	04/17/24	04/17/24	
Toluene	ND	0.0250	1	04/17/24	04/17/24	
o-Xylene	ND	0.0250	1	04/17/24	04/17/24	
p,m-Xylene	ND	0.0500	1	04/17/24	04/17/24	
Total Xylenes	ND	0.0250	1	04/17/24	04/17/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*04/17/24*	*04/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2416059
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/17/24	04/17/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*04/17/24*	*04/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2416091
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/24	04/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/24	04/19/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*04/18/24*	*04/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2416084
Chloride	**430**	20.0	1	04/17/24	04/19/24	

Sample Data

Epic Energy	Project Name:	State 16 Lease	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	4/19/2024 4:14:33PM

State 16-4 SE Quadrant

E404135-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2416059
Benzene	ND	0.0250	1	04/17/24	04/17/24	
Ethylbenzene	ND	0.0250	1	04/17/24	04/17/24	
Toluene	ND	0.0250	1	04/17/24	04/17/24	
o-Xylene	ND	0.0250	1	04/17/24	04/17/24	
p,m-Xylene	ND	0.0500	1	04/17/24	04/17/24	
Total Xylenes	ND	0.0250	1	04/17/24	04/17/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*04/17/24*	*04/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2416059
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/17/24	04/17/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*04/17/24*	*04/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2416091
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/24	04/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/24	04/19/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*04/18/24*	*04/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2416084
Chloride	ND	20.0	1	04/17/24	04/19/24	

Sample Data

Epic Energy	Project Name:	State 16 Lease	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	4/19/2024 4:14:33PM

State 16-5 Pit E of WH

E404135-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2416059
Benzene	ND	0.0250	1	04/17/24	04/17/24	
Ethylbenzene	ND	0.0250	1	04/17/24	04/17/24	
Toluene	ND	0.0250	1	04/17/24	04/17/24	
o-Xylene	ND	0.0250	1	04/17/24	04/17/24	
p,m-Xylene	ND	0.0500	1	04/17/24	04/17/24	
Total Xylenes	ND	0.0250	1	04/17/24	04/17/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*04/17/24*	*04/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2416059
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/17/24	04/17/24	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*04/17/24*	*04/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2416091
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/24	04/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/24	04/19/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*04/18/24*	*04/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2416084
Chloride	ND	20.0	1	04/17/24	04/19/24	

Sample Data

Epic Energy	Project Name:	State 16 Lease	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	4/19/2024 4:14:33PM

State 16-6 NE

E404135-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2416059
Benzene	ND	0.0250	1	04/17/24	04/17/24	
Ethylbenzene	ND	0.0250	1	04/17/24	04/17/24	
Toluene	ND	0.0250	1	04/17/24	04/17/24	
o-Xylene	ND	0.0250	1	04/17/24	04/17/24	
p,m-Xylene	ND	0.0500	1	04/17/24	04/17/24	
Total Xylenes	ND	0.0250	1	04/17/24	04/17/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: Toluene-d8		*98.3 %*	*70-130*	*04/17/24*	*04/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2416059
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/17/24	04/17/24	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: Toluene-d8		*98.3 %*	*70-130*	*04/17/24*	*04/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2416091
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/24	04/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/24	04/19/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*04/18/24*	*04/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2416084
Chloride	ND	20.0	1	04/17/24	04/19/24	

Sample Data

Epic Energy	Project Name:	State 16 Lease	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	4/19/2024 4:14:33PM

State 16-6 NW

E404135-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2416059
Benzene	ND	0.0250	1	04/17/24	04/17/24	
Ethylbenzene	ND	0.0250	1	04/17/24	04/17/24	
Toluene	ND	0.0250	1	04/17/24	04/17/24	
o-Xylene	ND	0.0250	1	04/17/24	04/17/24	
p,m-Xylene	ND	0.0500	1	04/17/24	04/17/24	
Total Xylenes	ND	0.0250	1	04/17/24	04/17/24	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*04/17/24*	*04/17/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2416059
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/17/24	04/17/24	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*04/17/24*	*04/17/24*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*04/17/24*	*04/17/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2416091
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/24	04/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/24	04/19/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*04/18/24*	*04/19/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2416084
Chloride	ND	20.0	1	04/17/24	04/19/24	

QC Summary Data

Epic Energy	Project Name:	State 16 Lease	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Clay Green	4/19/2024 4:14:33PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2416059-BLK1)									Prepared: 04/16/24 Analyzed: 04/17/24
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: Bromofluorobenzene	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.500*		*0.500*		*99.9*	*70-130*			
LCS (2416059-BS1)									Prepared: 04/16/24 Analyzed: 04/17/24
Benzene	2.75	0.0250	2.50		110	70-130			
Ethylbenzene	2.62	0.0250	2.50		105	70-130			
Toluene	2.54	0.0250	2.50		102	70-130			
o-Xylene	2.60	0.0250	2.50		104	70-130			
p,m-Xylene	5.08	0.0500	5.00		102	70-130			
Total Xylenes	7.67	0.0250	7.50		102	70-130			
Surrogate: Bromofluorobenzene	*0.499*		*0.500*		*99.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: Toluene-d8	*0.497*		*0.500*		*99.4*	*70-130*			
Matrix Spike (2416059-MS1)				**Source: E404135-02**					Prepared: 04/16/24 Analyzed: 04/17/24
Benzene	2.72	0.0250	2.50	ND	109	48-131			
Ethylbenzene	2.59	0.0250	2.50	ND	103	45-135			
Toluene	2.51	0.0250	2.50	ND	100	48-130			
o-Xylene	2.63	0.0250	2.50	ND	105	43-135			
p,m-Xylene	5.11	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.74	0.0250	7.50	ND	103	43-135			
Surrogate: Bromofluorobenzene	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.497*		*0.500*		*99.4*	*70-130*			
Matrix Spike Dup (2416059-MSD1)				**Source: E404135-02**					Prepared: 04/16/24 Analyzed: 04/17/24
Benzene	2.80	0.0250	2.50	ND	112	48-131	2.90	23	
Ethylbenzene	2.69	0.0250	2.50	ND	107	45-135	3.83	27	
Toluene	2.60	0.0250	2.50	ND	104	48-130	3.60	24	
o-Xylene	2.75	0.0250	2.50	ND	110	43-135	4.53	27	
p,m-Xylene	5.37	0.0500	5.00	ND	107	43-135	5.03	27	
Total Xylenes	8.13	0.0250	7.50	ND	108	43-135	4.86	27	
Surrogate: Bromofluorobenzene	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.490*		*0.500*		*97.9*	*70-130*			
Surrogate: Toluene-d8	*0.497*		*0.500*		*99.4*	*70-130*			

QC Summary Data

Epic Energy	Project Name:	State 16 Lease	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Clay Green	4/19/2024 4:14:33PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2416059-BLK1)									Prepared: 04/16/24 Analyzed: 04/17/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.500*		*0.500*		*99.9*	*70-130*			
LCS (2416059-BS2)									Prepared: 04/16/24 Analyzed: 04/17/24
Gasoline Range Organics (C6-C10)	58.4	20.0	50.0		117	70-130			
Surrogate: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.494*		*0.500*		*98.8*	*70-130*			
Surrogate: Toluene-d8	*0.503*		*0.500*		*101*	*70-130*			
Matrix Spike (2416059-MS2)				**Source: E404135-02**					Prepared: 04/16/24 Analyzed: 04/17/24
Gasoline Range Organics (C6-C10)	57.3	20.0	50.0	ND	115	70-130			
Surrogate: Bromofluorobenzene	*0.516*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*0.501*		*0.500*		*100*	*70-130*			
Matrix Spike Dup (2416059-MSD2)				**Source: E404135-02**					Prepared: 04/16/24 Analyzed: 04/17/24
Gasoline Range Organics (C6-C10)	55.7	20.0	50.0	ND	111	70-130	2.79	20	
Surrogate: Bromofluorobenzene	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*0.500*		*0.500*		*100*	*70-130*			

QC Summary Data

Epic Energy	Project Name:	State 16 Lease	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Clay Green	4/19/2024 4:14:33PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2416091-BLK1)									Prepared: 04/18/24 Analyzed: 04/18/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.1*		*50.0*		*112*	*50-200*			
LCS (2416091-BS1)									Prepared: 04/18/24 Analyzed: 04/18/24
Diesel Range Organics (C10-C28)	294	25.0	250		118	38-132			
Surrogate: n-Nonane	*60.3*		*50.0*		*121*	*50-200*			
Matrix Spike (2416091-MS1)				**Source: E404119-03**					Prepared: 04/18/24 Analyzed: 04/18/24
Diesel Range Organics (C10-C28)	295	25.0	250	ND	118	38-132			
Surrogate: n-Nonane	*59.3*		*50.0*		*119*	*50-200*			
Matrix Spike Dup (2416091-MSD1)				**Source: E404119-03**					Prepared: 04/18/24 Analyzed: 04/18/24
Diesel Range Organics (C10-C28)	286	25.0	250	ND	115	38-132	2.94	20	
Surrogate: n-Nonane	*56.7*		*50.0*		*113*	*50-200*			

QC Summary Data

Epic Energy	Project Name:	State 16 Lease	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Clay Green	4/19/2024 4:14:33PM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2416084-BLK1)									Prepared: 04/17/24 Analyzed: 04/19/24
Chloride	ND	20.0							
LCS (2416084-BS1)									Prepared: 04/17/24 Analyzed: 04/19/24
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2416084-MS1)				**Source: E404135-05**					Prepared: 04/17/24 Analyzed: 04/19/24
Chloride	248	20.0	250	ND	99.4	80-120			
Matrix Spike Dup (2416084-MSD1)				**Source: E404135-05**					Prepared: 04/17/24 Analyzed: 04/19/24
Chloride	252	20.0	250	ND	101	80-120	1.51	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

Epic Energy	Project Name:	State 16 Lease	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	04/19/24 16:14

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

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Epic Energy	Company: Epic Energy	Lab WO# E404135	Job Number 18012-0006	1D 2D 3D Std: Std X	NM X CO UT TX
Project Name: State 16 Lease	Address:			
Project Manager: Clay Green	City, State, Zip:			
Address:	Phone:			
City, State, Zip: Maria Stevens Artesia	Email:			
Phone:	Miscellaneous:			
Email: Clay@Watsherg.net				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg	Remarks
8:30	4/12/24	S	1	State 16-1 Pit Scar		1	X	X	X		X					On Ice
9:00	"	"	"	State 16-1 AGT SW		2	"	"	"		"					"
9:20	"	"	"	State 16-2 SE Corner		3	"	"	"		"					"
9:45	"	"	"	State 16-4 SE Quadrant		4	"	"	"		"					"
10:15	"	"	"	State 16-5 Pit E of WH		5	"	"	"		"					"
10:45	"	"	"	State 16-6 NE		6	"	"	"		"					"
11:20	"	"	"	State 16-6 NW		7	"	"	"		"					"

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

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: Clay Green

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Clay Green	4-12-24	13:15	[signature]	4/12/24	1315
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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 in ice at an avg temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

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

Envirotech Analytical Laboratory

Printed: 4/16/2024 2:15:49PM

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:	Epic Energy	Date Received:	04/12/24 13:15	Work Order ID:	E404135
Phone:	505-320-7713	Date Logged In:	04/16/24 09:26	Logged In By:	Alexa Michaels
Email:	clay@walsheng.net	Due Date:	04/19/24 17:00 (5 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	Carrier: Clay Green
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

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? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

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 filteration 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:

Clay Green

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Epic Energy

Project Name:	State 16- 1
Work Order:	E405175
Job Number:	18012-0006
Received:	5/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/17/24

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: 5/17/24

Clay Green
7415 Main Street
Farmington, NM 87402

Project Name: State 16- 1
Workorder: E405175
Date Received: 5/13/2024 1:51:00PM

Clay Green,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/13/2024 1:51:00PM, under the Project Name: State 16- 1.

The analytical test results summarized in this report with the Project Name: State 16- 1 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 reguarding 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
Office: 505-632-1881
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Alexa Michaels
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labadmin@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Epic Energy	Project Name:	State 16- 1	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Clay Green	05/17/24 13:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
AGT SW 2FT	E405175-01A	Soil	05/13/24	05/13/24	Glass Jar, 2 oz.
AGT SW 4FT	E405175-02A	Soil	05/13/24	05/13/24	Glass Jar, 2 oz.
Pit Scar 2ft	E405175-03A	Soil	05/13/24	05/13/24	Glass Jar, 2 oz.
Pit Scar 4ft	E405175-04A	Soil	05/13/24	05/13/24	Glass Jar, 2 oz.

Sample Data

Epic Energy	Project Name:	State 16- 1	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	5/17/2024 1:53:33PM

AGT SW 2FT

E405175-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2420068
Benzene	ND	0.0250	1	05/14/24	05/16/24	
Ethylbenzene	ND	0.0250	1	05/14/24	05/16/24	
Toluene	ND	0.0250	1	05/14/24	05/16/24	
o-Xylene	ND	0.0250	1	05/14/24	05/16/24	
p,m-Xylene	ND	0.0500	1	05/14/24	05/16/24	
Total Xylenes	ND	0.0250	1	05/14/24	05/16/24	
Surrogate: Bromofluorobenzene		*88.8 %*	*70-130*	*05/14/24*	*05/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*05/14/24*	*05/16/24*	
Surrogate: Toluene-d8		*98.4 %*	*70-130*	*05/14/24*	*05/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2420068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/24	05/16/24	
Surrogate: Bromofluorobenzene		*88.8 %*	*70-130*	*05/14/24*	*05/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*05/14/24*	*05/16/24*	
Surrogate: Toluene-d8		*98.4 %*	*70-130*	*05/14/24*	*05/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2420070
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/16/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*05/14/24*	*05/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2420078
Chloride	**422**	20.0	1	05/15/24	05/16/24	

Sample Data

Epic Energy	Project Name:	State 16- 1	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	5/17/2024 1:53:33PM

AGT SW 4FT

E405175-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2420068
Benzene	ND	0.0250	1	05/14/24	05/16/24	
Ethylbenzene	ND	0.0250	1	05/14/24	05/16/24	
Toluene	ND	0.0250	1	05/14/24	05/16/24	
o-Xylene	ND	0.0250	1	05/14/24	05/16/24	
p,m-Xylene	ND	0.0500	1	05/14/24	05/16/24	
Total Xylenes	ND	0.0250	1	05/14/24	05/16/24	
Surrogate: Bromofluorobenzene		*90.5 %*	*70-130*	*05/14/24*	*05/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*05/14/24*	*05/16/24*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*05/14/24*	*05/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2420068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/24	05/16/24	
Surrogate: Bromofluorobenzene		*90.5 %*	*70-130*	*05/14/24*	*05/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*05/14/24*	*05/16/24*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*05/14/24*	*05/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2420070
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/16/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*05/14/24*	*05/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2420078
Chloride	**835**	20.0	1	05/15/24	05/16/24	

Sample Data

Epic Energy	Project Name:	State 16- 1	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	5/17/2024 1:53:33PM

Pit Scar 2ft

E405175-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2420068
Benzene	ND	0.0250	1	05/14/24	05/16/24	
Ethylbenzene	ND	0.0250	1	05/14/24	05/16/24	
Toluene	ND	0.0250	1	05/14/24	05/16/24	
o-Xylene	ND	0.0250	1	05/14/24	05/16/24	
p,m-Xylene	ND	0.0500	1	05/14/24	05/16/24	
Total Xylenes	ND	0.0250	1	05/14/24	05/16/24	
Surrogate: Bromofluorobenzene		*89.7 %*	*70-130*	*05/14/24*	*05/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*05/14/24*	*05/16/24*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*05/14/24*	*05/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2420068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/24	05/16/24	
Surrogate: Bromofluorobenzene		*89.7 %*	*70-130*	*05/14/24*	*05/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*05/14/24*	*05/16/24*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*05/14/24*	*05/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2420070
Diesel Range Organics (C10-C28)	**31.7**	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	**72.7**	50.0	1	05/14/24	05/16/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*05/14/24*	*05/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2420078
Chloride	**229**	20.0	1	05/15/24	05/16/24	

Sample Data

Epic Energy	Project Name:	State 16- 1	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	5/17/2024 1:53:33PM

Pit Scar 4ft

E405175-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2420068
Benzene	ND	0.0250	1	05/14/24	05/16/24	
Ethylbenzene	ND	0.0250	1	05/14/24	05/16/24	
Toluene	ND	0.0250	1	05/14/24	05/16/24	
o-Xylene	ND	0.0250	1	05/14/24	05/16/24	
p,m-Xylene	ND	0.0500	1	05/14/24	05/16/24	
Total Xylenes	ND	0.0250	1	05/14/24	05/16/24	
Surrogate: Bromofluorobenzene		*90.8 %*	*70-130*	*05/14/24*	*05/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*05/14/24*	*05/16/24*	
Surrogate: Toluene-d8		*99.3 %*	*70-130*	*05/14/24*	*05/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2420068
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/14/24	05/16/24	
Surrogate: Bromofluorobenzene		*90.8 %*	*70-130*	*05/14/24*	*05/16/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*05/14/24*	*05/16/24*	
Surrogate: Toluene-d8		*99.3 %*	*70-130*	*05/14/24*	*05/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2420070
Diesel Range Organics (C10-C28)	ND	25.0	1	05/14/24	05/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/14/24	05/16/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*05/14/24*	*05/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2420078
Chloride	**73.8**	20.0	1	05/15/24	05/16/24	

QC Summary Data

Epic Energy	Project Name:	State 16- 1	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Clay Green	5/17/2024 1:53:33PM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2420068-BLK1)									Prepared: 05/14/24 Analyzed: 05/16/24
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: Bromofluorobenzene	*0.457*		*0.500*		*91.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.505*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.484*		*0.500*		*96.8*	*70-130*			
LCS (2420068-BS1)									Prepared: 05/14/24 Analyzed: 05/16/24
Benzene	2.21	0.0250	2.50		88.5	70-130			
Ethylbenzene	2.34	0.0250	2.50		93.8	70-130			
Toluene	2.45	0.0250	2.50		98.1	70-130			
o-Xylene	2.38	0.0250	2.50		95.2	70-130			
p,m-Xylene	4.82	0.0500	5.00		96.5	70-130			
Total Xylenes	7.20	0.0250	7.50		96.0	70-130			
Surrogate: Bromofluorobenzene	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.497*		*0.500*		*99.4*	*70-130*			
Matrix Spike (2420068-MS1)				**Source: E405172-02**					Prepared: 05/14/24 Analyzed: 05/16/24
Benzene	2.15	0.0250	2.50	ND	86.2	48-131			
Ethylbenzene	2.30	0.0250	2.50	ND	91.8	45-135			
Toluene	2.36	0.0250	2.50	ND	94.4	48-130			
o-Xylene	2.37	0.0250	2.50	ND	94.6	43-135			
p,m-Xylene	4.80	0.0500	5.00	ND	96.0	43-135			
Total Xylenes	7.17	0.0250	7.50	ND	95.6	43-135			
Surrogate: Bromofluorobenzene	*0.472*		*0.500*		*94.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.513*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.496*		*0.500*		*99.2*	*70-130*			
Matrix Spike Dup (2420068-MSD1)				**Source: E405172-02**					Prepared: 05/14/24 Analyzed: 05/16/24
Benzene	2.46	0.0250	2.50	ND	98.6	48-131	13.4	23	
Ethylbenzene	2.45	0.0250	2.50	ND	97.8	45-135	6.31	27	
Toluene	2.56	0.0250	2.50	ND	102	48-130	7.91	24	
o-Xylene	2.44	0.0250	2.50	ND	97.5	43-135	2.94	27	
p,m-Xylene	4.96	0.0500	5.00	ND	99.1	43-135	3.13	27	
Total Xylenes	7.39	0.0250	7.50	ND	98.6	43-135	3.06	27	
Surrogate: Bromofluorobenzene	*0.478*		*0.500*		*95.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.526*		*0.500*		*105*	*70-130*			
Surrogate: Toluene-d8	*0.497*		*0.500*		*99.4*	*70-130*			

QC Summary Data

Epic Energy	Project Name:	State 16- 1	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Clay Green	5/17/2024 1:53:33PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2420068-BLK1)									Prepared: 05/14/24 Analyzed: 05/16/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.457*		*0.500*		*91.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.505*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.484*		*0.500*		*96.8*	*70-130*			
LCS (2420068-BS2)									Prepared: 05/14/24 Analyzed: 05/16/24
Gasoline Range Organics (C6-C10)	43.6	20.0	50.0		87.2	70-130			
Surrogate: Bromofluorobenzene	*0.485*		*0.500*		*96.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.478*		*0.500*		*95.6*	*70-130*			
Surrogate: Toluene-d8	*0.485*		*0.500*		*97.0*	*70-130*			
Matrix Spike (2420068-MS2)				**Source: E405172-02**					Prepared: 05/14/24 Analyzed: 05/16/24
Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	ND	86.2	70-130			
Surrogate: Bromofluorobenzene	*0.472*		*0.500*		*94.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2420068-MSD2)				**Source: E405172-02**					Prepared: 05/14/24 Analyzed: 05/16/24
Gasoline Range Organics (C6-C10)	42.2	20.0	50.0	ND	84.4	70-130	2.09	20	
Surrogate: Bromofluorobenzene	*0.460*		*0.500*		*91.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.508*		*0.500*		*102*	*70-130*			

QC Summary Data

Epic Energy	Project Name:	State 16- 1	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Clay Green	5/17/2024 1:53:33PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2420070-BLK1)									Prepared: 05/14/24 Analyzed: 05/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.1*		*50.0*		*110*	*50-200*			
LCS (2420070-BS1)									Prepared: 05/14/24 Analyzed: 05/16/24
Diesel Range Organics (C10-C28)	315	25.0	250		126	38-132			
Surrogate: n-Nonane	*60.8*		*50.0*		*122*	*50-200*			
LCS Dup (2420070-BSD1)									Prepared: 05/14/24 Analyzed: 05/16/24
Diesel Range Organics (C10-C28)	324	25.0	250		129	38-132	2.60	20	
Surrogate: n-Nonane	*62.8*		*50.0*		*126*	*50-200*			

QC Summary Data

Epic Energy	Project Name:	State 16- 1	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Clay Green	5/17/2024 1:53:33PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2420078-BLK1)									Prepared: 05/14/24 Analyzed: 05/15/24
Chloride	ND	20.0							
LCS (2420078-BS1)									Prepared: 05/14/24 Analyzed: 05/15/24
Chloride	249	20.0	250		99.6	90-110			
LCS Dup (2420078-BSD1)									Prepared: 05/14/24 Analyzed: 05/15/24
Chloride	252	20.0	250		101	90-110	1.11	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

Epic Energy	Project Name:	State 16- 1	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	05/17/24 13:53

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.

Project Information | Chain of Custody | Page 1 of 1

Client:	Epic Energy
Project:	State 16-1
Project Manager:	Clay Green
Address:	
City, State, Zip	
Phone:	
Email:	Clay@Walsheng.net (Adrian, Shummy, Marie)
Report due by:	

Bill To

Attention:	Epic Energy
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E 405175	18012-0006

TAT

1D	2D	3D	Standard
		X	

EPA Program

CWA	SDWA	RCRA
		X

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	EPA method 418.1	Remarks
1050	5-13-24	S	1	AGT SW 2 ct	1	X	X	X			X		On Ice
1056	"	"	"	AGT SW 4 ct	2	X	X	X			X		"
1130	"	"	"	Pit Scar 2 ct	3	X	X	X			X		"
1200	"	"	"	Pit Scar 4 ct	4	X	X	X			X		"

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Clay Green

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5-13-24	1351		5/13/24	1351
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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 30 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

Envirotech Analytical Laboratory

Printed: 5/14/2024 12:32:11PM

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:	Epic Energy	Date Received:	05/13/24 13:51	Work Order ID:	E405175
Phone:	505-320-7713	Date Logged In:	05/14/24 11:10	Logged In By:	Angelina Pineda
Email:	clay@walsheng.net	Due Date:	05/16/24 17:00 (3 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	Carrier: Clay Green
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

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?	No	
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 filteration 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

Comments/Resolution

Client Instruction

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

Date

envirotech Inc.

Report to:

Clay Green

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Epic Energy

Project Name:	State 16 #1 Water Pit
Work Order:	E410095
Job Number:	18012-0006
Received:	10/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/14/24

Date Reported: 10/14/24

Clay Green
7415 Main Street
Farmington, NM 87402

Project Name: State 16 #1 Water Pit
Workorder: E410095
Date Received: 10/10/2024 12:50:00PM

Clay Green,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/10/2024 12:50:00PM, under the Project Name: State 16 #1 Water Pit.

The analytical test results summarized in this report with the Project Name: State 16 #1 Water Pit 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 reguarding 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
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

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Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Epic Energy	Project Name:	State 16 #1 Water Pit	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Clay Green	10/14/24 13:11

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Water Pit Floor	E410095-01A	Soil	10/10/24	10/10/24	Glass Jar, 2 oz.
Water Pit South Wall	E410095-02A	Soil	10/10/24	10/10/24	Glass Jar, 2 oz.
Water Pit North Wall	E410095-03A	Soil	10/10/24	10/10/24	Glass Jar, 2 oz.

Sample Data

Epic Energy	Project Name:	State 16 #1 Water Pit	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	10/14/2024 1:11:13PM

Water Pit Floor

E410095-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441080
Benzene	ND	0.0250	1	10/10/24	10/12/24	
Ethylbenzene	ND	0.0250	1	10/10/24	10/12/24	
Toluene	ND	0.0250	1	10/10/24	10/12/24	
o-Xylene	ND	0.0250	1	10/10/24	10/12/24	
p,m-Xylene	ND	0.0500	1	10/10/24	10/12/24	
Total Xylenes	ND	0.0250	1	10/10/24	10/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*10/10/24*	*10/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/24	10/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*10/10/24*	*10/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441091
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/24	10/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/12/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*10/11/24*	*10/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2441081
Chloride	**801**	20.0	1	10/11/24	10/11/24	

Sample Data

Epic Energy	Project Name:	State 16 #1 Water Pit	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	10/14/2024 1:11:13PM

Water Pit South Wall

E410095-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441080
Benzene	ND	0.0250	1	10/10/24	10/12/24	
Ethylbenzene	ND	0.0250	1	10/10/24	10/12/24	
Toluene	ND	0.0250	1	10/10/24	10/12/24	
o-Xylene	ND	0.0250	1	10/10/24	10/12/24	
p,m-Xylene	ND	0.0500	1	10/10/24	10/12/24	
Total Xylenes	ND	0.0250	1	10/10/24	10/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*10/10/24*	*10/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/24	10/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*10/10/24*	*10/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441091
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/24	10/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/12/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*10/11/24*	*10/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2441081
Chloride	**281**	20.0	1	10/11/24	10/11/24	

Sample Data

Epic Energy	Project Name:	State 16 #1 Water Pit	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	10/14/2024 1:11:13PM

Water Pit North Wall

E410095-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2441080
Benzene	ND	0.0250	1	10/10/24	10/12/24	
Ethylbenzene	ND	0.0250	1	10/10/24	10/12/24	
Toluene	ND	0.0250	1	10/10/24	10/12/24	
o-Xylene	ND	0.0250	1	10/10/24	10/12/24	
p,m-Xylene	ND	0.0500	1	10/10/24	10/12/24	
Total Xylenes	ND	0.0250	1	10/10/24	10/12/24	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*10/10/24*	*10/12/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2441080
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/10/24	10/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*10/10/24*	*10/12/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2441091
Diesel Range Organics (C10-C28)	ND	25.0	1	10/11/24	10/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/11/24	10/12/24	
Surrogate: n-Nonane		*123 %*	*50-200*	*10/11/24*	*10/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2441081
Chloride	**741**	20.0	1	10/11/24	10/11/24	

QC Summary Data

Epic Energy	Project Name:	State 16 #1 Water Pit	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Clay Green	10/14/2024 1:11:13PM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2441080-BLK1)									Prepared: 10/10/24 Analyzed: 10/11/24
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	*8.17*		*8.00*		*102*	*70-130*			
LCS (2441080-BS1)									Prepared: 10/10/24 Analyzed: 10/11/24
Benzene	5.50	0.0250	5.00		110	70-130			
Ethylbenzene	5.33	0.0250	5.00		107	70-130			
Toluene	5.44	0.0250	5.00		109	70-130			
o-Xylene	5.34	0.0250	5.00		107	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.2	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.21*		*8.00*		*103*	*70-130*			
Matrix Spike (2441080-MS1)				**Source: E410096-07**					Prepared: 10/10/24 Analyzed: 10/12/24
Benzene	5.41	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.23	0.0250	5.00	ND	105	61-133			
Toluene	5.34	0.0250	5.00	ND	107	61-130			
o-Xylene	5.25	0.0250	5.00	ND	105	63-131			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.25*		*8.00*		*103*	*70-130*			
Matrix Spike Dup (2441080-MSD1)				**Source: E410096-07**					Prepared: 10/10/24 Analyzed: 10/12/24
Benzene	5.48	0.0250	5.00	ND	110	54-133	1.29	20	
Ethylbenzene	5.32	0.0250	5.00	ND	106	61-133	1.64	20	
Toluene	5.42	0.0250	5.00	ND	108	61-130	1.50	20	
o-Xylene	5.34	0.0250	5.00	ND	107	63-131	1.64	20	
p,m-Xylene	10.8	0.0500	10.0	ND	108	63-131	1.75	20	
Total Xylenes	16.1	0.0250	15.0	ND	108	63-131	1.71	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.19*		*8.00*		*102*	*70-130*			

QC Summary Data

Epic Energy	Project Name:	State 16 #1 Water Pit	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Clay Green	10/14/2024 1:11:13PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2441080-BLK1)									Prepared: 10/10/24 Analyzed: 10/11/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.52*		*8.00*		*94.0*	*70-130*			
LCS (2441080-BS2)									Prepared: 10/10/24 Analyzed: 10/12/24
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.60*		*8.00*		*95.1*	*70-130*			
Matrix Spike (2441080-MS2)				**Source: E410096-07**					Prepared: 10/10/24 Analyzed: 10/12/24
Gasoline Range Organics (C6-C10)	45.9	20.0	50.0	ND	91.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.59*		*8.00*		*94.9*	*70-130*			
Matrix Spike Dup (2441080-MSD2)				**Source: E410096-07**					Prepared: 10/10/24 Analyzed: 10/12/24
Gasoline Range Organics (C6-C10)	45.3	20.0	50.0	ND	90.6	70-130	1.29	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.60*		*8.00*		*95.0*	*70-130*			

QC Summary Data

Epic Energy	Project Name:	State 16 #1 Water Pit	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Clay Green	10/14/2024 1:11:13PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2441091-BLK1)									Prepared: 10/11/24 Analyzed: 10/12/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.7*		*50.0*		*109*	*50-200*			
LCS (2441091-BS1)									Prepared: 10/11/24 Analyzed: 10/12/24
Diesel Range Organics (C10-C28)	282	25.0	250		113	38-132			
Surrogate: n-Nonane	*55.9*		*50.0*		*112*	*50-200*			
Matrix Spike (2441091-MS1)				**Source: E410095-01**					Prepared: 10/11/24 Analyzed: 10/12/24
Diesel Range Organics (C10-C28)	310	25.0	250	ND	124	38-132			
Surrogate: n-Nonane	*60.2*		*50.0*		*120*	*50-200*			
Matrix Spike Dup (2441091-MSD1)				**Source: E410095-01**					Prepared: 10/11/24 Analyzed: 10/12/24
Diesel Range Organics (C10-C28)	327	25.0	250	ND	131	38-132	5.42	20	
Surrogate: n-Nonane	*58.8*		*50.0*		*118*	*50-200*			

QC Summary Data

Epic Energy	Project Name:	State 16 #1 Water Pit	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Clay Green	10/14/2024 1:11:13PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2441081-BLK1)									Prepared: 10/11/24 Analyzed: 10/11/24
Chloride	ND	20.0							
LCS (2441081-BS1)									Prepared: 10/11/24 Analyzed: 10/11/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2441081-MS1)				**Source: E410098-02**					Prepared: 10/11/24 Analyzed: 10/11/24
Chloride	1320	20.0	250	751	229	80-120			M4
Matrix Spike Dup (2441081-MSD1)				**Source: E410098-02**					Prepared: 10/11/24 Analyzed: 10/11/24
Chloride	1500	20.0	250	751	299	80-120	12.3	20	M4

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

Epic Energy	Project Name:	State 16 #1 Water Pit	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	10/14/24 13:11

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.

Project Information | Chain of Custody | Page 1 of 1

Client:	Epic Energy
Project:	State 16# 1 Water pit
Project Manager:	Clay Green
Address:	
City, State, Zip	
Phone:	
Email:	Marie Clay Shannon Artesia
Report due by:	

Bill To

Attention:	Epic Energy
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E410095	18012-00060

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA
		X

State

NM	CO	UT	AZ	TX
X				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	EPA method 418.1	Remarks
9:12	10-10-24	S	1	Water Pit Floor	1	X	X	X			X		On Ice
9:17	"	"	"	Water pit South Wall	2	X	X	X			X		"
9:22	"	"	"	Water pit North Wall	3	X	X	X			X		"

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Clay Green

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Clay Green	10-10-24	1250	[signature]	10/10/24	12:50
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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 30 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

Envirotech Analytical Laboratory

Printed: 10/10/2024 12:59:20PM

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:	Epic Energy	Date Received:	10/10/24 12:50	Work Order ID:	E410095
Phone:	505-320-7713	Date Logged In:	10/10/24 12:56	Logged In By:	Caitlin Mars
Email:	clay@walsheng.net	Due Date:	10/17/24 17:00 (5 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	Carrier: Clay Green
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

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 filteration 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

Comments/Resolution

Client Instruction

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

Date

envirotech Inc.

DRO-29.9
ORO-183

re sample North Wall Water Pit

Report to:

Clay Green

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Epic Energy

Project Name:	State 16 - 1 Resample
Work Order:	E412111
Job Number:	18012-0006
Received:	12/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/18/24

Date Reported: 12/18/24

Clay Green
7415 Main Street
Farmington, NM 87402

Project Name: State 16 - 1 Resample
Workorder: E412111
Date Received: 12/12/2024 2:50:00PM

Clay Green,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/12/2024 2:50:00PM, under the Project Name: State 16 - 1 Resample.

The analytical test results summarized in this report with the Project Name: State 16 - 1 Resample 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 reguarding 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
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Table of Contents

Sample Summary

Epic Energy	Project Name:	State 16 - 1 Resample	Reported:
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Clay Green	12/18/24 10:07

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Pit Scar 12	E412111-01A	Soil	12/12/24	12/12/24	Glass Jar, 2 oz.
Pit Scar 13	E412111-02A	Soil	12/12/24	12/12/24	Glass Jar, 2 oz.
Pit Scar North Wall	E412111-03A	Soil	12/12/24	12/12/24	Glass Jar, 2 oz.
Pit Scar South Wall	E412111-04A	Soil	12/12/24	12/12/24	Glass Jar, 2 oz.
Water Pit North Wall	E412111-05A	Soil	12/12/24	12/12/24	Glass Jar, 2 oz.

Sample Data

Epic Energy	Project Name:	State 16 - 1 Resample	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	12/18/2024 10:07:21AM

Pit Scar 12

E412111-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450133
Benzene	ND	0.0250	1	12/13/24	12/16/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/16/24	
Toluene	ND	0.0250	1	12/13/24	12/16/24	
o-Xylene	ND	0.0250	1	12/13/24	12/16/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/16/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.3 %*	*70-130*	*12/13/24*	*12/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450133
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*12/13/24*	*12/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450134
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/15/24	
Oil Range Organics (C28-C36)	**59.0**	50.0	1	12/13/24	12/15/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*12/13/24*	*12/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2450094
Chloride	ND	20.0	1	12/13/24	12/14/24	

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Sample Data

Epic Energy	Project Name:	State 16 - 1 Resample	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	12/18/2024 10:07:21AM

Pit Scar 13

E412111-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450133
Benzene	ND	0.0250	1	12/13/24	12/16/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/16/24	
Toluene	ND	0.0250	1	12/13/24	12/16/24	
o-Xylene	ND	0.0250	1	12/13/24	12/16/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/16/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.3 %*	*70-130*	*12/13/24*	*12/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450133
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*12/13/24*	*12/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450134
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/15/24	
Surrogate: n-Nonane		*118 %*	*50-200*	*12/13/24*	*12/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2450094
Chloride	ND	20.0	1	12/13/24	12/14/24	

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Sample Data

Epic Energy	Project Name:	State 16 - 1 Resample	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	12/18/2024 10:07:21AM

Pit Scar North Wall

E412111-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450133
Benzene	ND	0.0250	1	12/13/24	12/16/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/16/24	
Toluene	ND	0.0250	1	12/13/24	12/16/24	
o-Xylene	ND	0.0250	1	12/13/24	12/16/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/16/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.5 %*	*70-130*	*12/13/24*	*12/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450133
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*12/13/24*	*12/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450134
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/15/24	
Surrogate: n-Nonane		*123 %*	*50-200*	*12/13/24*	*12/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2450094
Chloride	ND	20.0	1	12/13/24	12/14/24	

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Sample Data

Epic Energy	Project Name:	State 16 - 1 Resample	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	12/18/2024 10:07:21AM

Pit Scar South Wall

E412111-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450133
Benzene	ND	0.0250	1	12/13/24	12/16/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/16/24	
Toluene	ND	0.0250	1	12/13/24	12/16/24	
o-Xylene	ND	0.0250	1	12/13/24	12/16/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/16/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.6 %*	*70-130*	*12/13/24*	*12/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450133
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.4 %*	*70-130*	*12/13/24*	*12/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450134
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/15/24	
Oil Range Organics (C28-C36)	**64.0**	50.0	1	12/13/24	12/15/24	
Surrogate: n-Nonane		*126 %*	*50-200*	*12/13/24*	*12/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2450094
Chloride	ND	20.0	1	12/13/24	12/14/24	

Sample Data

Epic Energy	Project Name:	State 16 - 1 Resample	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	12/18/2024 10:07:21AM

Water Pit North Wall

E412111-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2450133
Benzene	ND	0.0250	1	12/13/24	12/16/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/16/24	
Toluene	ND	0.0250	1	12/13/24	12/16/24	
o-Xylene	ND	0.0250	1	12/13/24	12/16/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/16/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/16/24	
Surrogate: 4-Bromochlorobenzene-PID		*86.5 %*	*70-130*	*12/13/24*	*12/16/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2450133
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*70-130*	*12/13/24*	*12/16/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2450134
Diesel Range Organics (C10-C28)	**29.9**	25.0	1	12/13/24	12/15/24	
Oil Range Organics (C28-C36)	**183**	50.0	1	12/13/24	12/15/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/13/24*	*12/15/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2450094
Chloride	ND	20.0	1	12/13/24	12/14/24	

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QC Summary Data

Epic Energy	Project Name:	State 16 - 1 Resample	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Clay Green	12/18/2024 10:07:21AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450133-BLK1)									Prepared: 12/13/24 Analyzed: 12/15/24
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	*7.59*		*8.00*		*94.8*	*70-130*			
LCS (2450133-BS1)									Prepared: 12/13/24 Analyzed: 12/15/24
Benzene	5.63	0.0250	5.00		113	70-130			
Ethylbenzene	5.45	0.0250	5.00		109	70-130			
Toluene	5.55	0.0250	5.00		111	70-130			
o-Xylene	5.44	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*		*95.8*	*70-130*			
LCS Dup (2450133-BSD1)									Prepared: 12/13/24 Analyzed: 12/18/24
Benzene	5.50	0.0250	5.00		110	70-130	2.41	20	
Ethylbenzene	5.32	0.0250	5.00		106	70-130	2.38	20	
Toluene	5.43	0.0250	5.00		109	70-130	2.20	20	
o-Xylene	5.34	0.0250	5.00		107	70-130	1.99	20	
p,m-Xylene	10.8	0.0500	10.0		108	70-130	2.73	20	
Total Xylenes	16.1	0.0250	15.0		107	70-130	2.48	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.62*		*8.00*		*95.2*	*70-130*			

QC Summary Data

Epic Energy	Project Name:	State 16 - 1 Resample	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Clay Green	12/18/2024 10:07:21AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450133-BLK1)									Prepared: 12/13/24 Analyzed: 12/15/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.33*		*8.00*		*91.6*	*70-130*			
LCS (2450133-BS2)									Prepared: 12/13/24 Analyzed: 12/15/24
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.48*		*8.00*		*93.5*	*70-130*			
LCS Dup (2450133-BSD2)									Prepared: 12/13/24 Analyzed: 12/15/24
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0		86.4	70-130	8.04	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.41*		*8.00*		*92.6*	*70-130*			

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QC Summary Data

Epic Energy	Project Name:	State 16 - 1 Resample	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Clay Green	12/18/2024 10:07:21AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450134-BLK1)									Prepared: 12/13/24 Analyzed: 12/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.2*		*50.0*		*110*	*50-200*			
LCS (2450134-BS1)									Prepared: 12/13/24 Analyzed: 12/14/24
Diesel Range Organics (C10-C28)	264	25.0	250		105	38-132			
Surrogate: n-Nonane	*55.8*		*50.0*		*112*	*50-200*			
Matrix Spike (2450134-MS1)				**Source: E412104-03**					Prepared: 12/13/24 Analyzed: 12/14/24
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132			
Surrogate: n-Nonane	*57.0*		*50.0*		*114*	*50-200*			
Matrix Spike Dup (2450134-MSD1)				**Source: E412104-03**					Prepared: 12/13/24 Analyzed: 12/14/24
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	38-132	0.150	20	
Surrogate: n-Nonane	*58.3*		*50.0*		*117*	*50-200*			

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QC Summary Data

Epic Energy	Project Name:	State 16 - 1 Resample	**Reported:**
7415 Main Street	Project Number:	18012-0006	
Farmington NM, 87402	Project Manager:	Clay Green	12/18/2024 10:07:21AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2450094-BLK1)									Prepared: 12/12/24 Analyzed: 12/12/24
Chloride	ND	20.0							
LCS (2450094-BS1)									Prepared: 12/12/24 Analyzed: 12/12/24
Chloride	253	20.0	250		101	90-110			
LCS Dup (2450094-BSD1)									Prepared: 12/12/24 Analyzed: 12/12/24
Chloride	254	20.0	250		102	90-110	0.159	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.

envirotech Inc.

Definitions and Notes

Epic Energy	Project Name:	State 16 - 1 Resample	
7415 Main Street	Project Number:	18012-0006	**Reported:**
Farmington NM, 87402	Project Manager:	Clay Green	12/18/24 10:07

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.

Project Information

Chain of Custody

Page 1 of 1

Client: Epic Energy
Project: State PL-1 Resample
Project Manager: Clay Green
Address:
City, State, Zip
Phone:
Email: Clay@Dalsheng.net Marie
Report due by:

Bill To
Attention: Epic Energy
Address:
City, State, Zip
Phone:
Email:

Lab Use Only: Lab WO# E412111 | Job Number 18012-0006

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA X

State: NM X | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	EPA method 418.1	Remarks
8:10	12-12-24	S	1	Pit Scar 12	1	X	X	X			X		On Ice
8:20	"	"	"	Pit Scar 13	2	"	"	"			"		"
8:30	"	"	"	Pit Scar North Wall	3	"	"	"			"		"
8:40	"	"	"	Pit Scar South Wall	4	"	"	"			"		"
850	"	"	"	Water Pit North Wall	5	"	"	"			"		"

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Clay Green

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	12-12-24	1450	[signature]	12/12/24	14:50
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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 30 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

Envirotech Analytical Laboratory

Printed: 12/13/2024 11:08:07AM

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:	Epic Energy	Date Received:	12/12/24 14:50	Work Order ID:	E412111
Phone:	505-320-7713	Date Logged In:	12/13/24 11:04	Logged In By:	Noe Soto
Email:	clay@walsheng.net	Due Date:	12/19/24 17:00 (5 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	Carrier: Clay Green
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

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?	No	
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 filteration 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

Comments/Resolution

Client Instruction

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

Date

envirotech Inc.

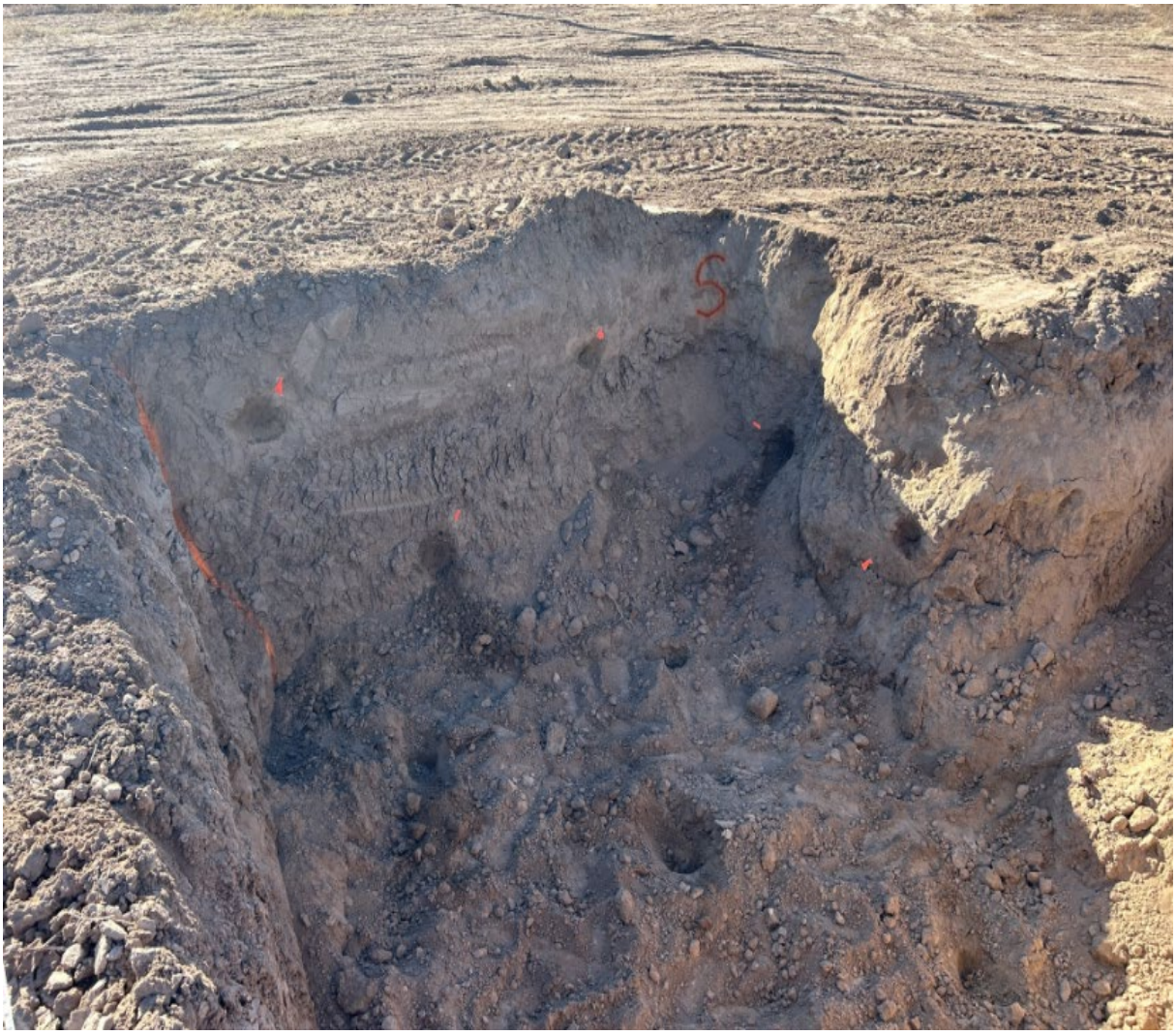
APPENDIX D

EPIC ENERGY – STATE 16 #001
API# 30-039-24528
WATER PIT EXCAVATION
10/10/2024

View of the base of the excavation with 5-point sample collection.

EPIC ENERGY

EPIC ENERGY – STATE 16 #001
API# 30-039-24528
WATER PIT EXCAVATION
10/10/2024



Looking east, view of the portions of the south wall. The circular areas of darker soil are representative of 5 sample locations.

EPIC ENERGY

EPIC ENERGY – STATE 16 #001
API# 30-039-24528
WATER PIT EXCAVATION
10/10/2024

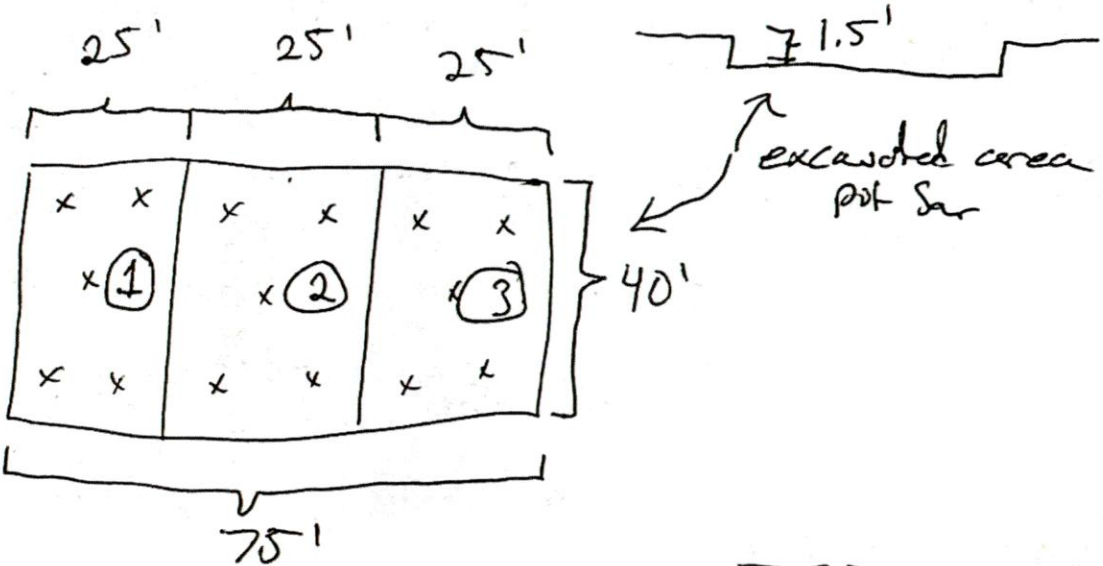
Looking north, view of the two sections of the north wall. The darker circular areas are representative of sample locations.

EPIC ENERGY

APPENDIX E

State 16-1 remediation

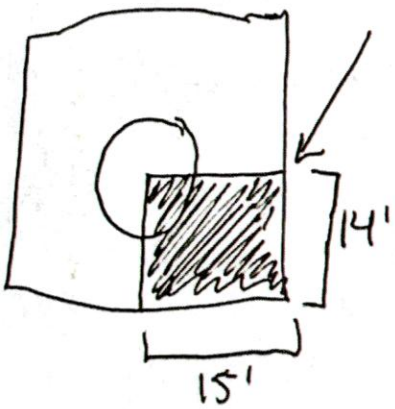
- 10-3-24
  - dig pit out to 5 feet deep (14×15×5)
  - dig pit Scar out to 1½ feet deep (40×75×1.5)
  - 7 loads of Clean fill from Enviro-tech (140 yds)
  - 5 Loads of contam hauled off to Enviro-tech (100 yards)



Samples

① TPH = ND
② TPH = ND
③ TPH = ND

Excavated Area water pit

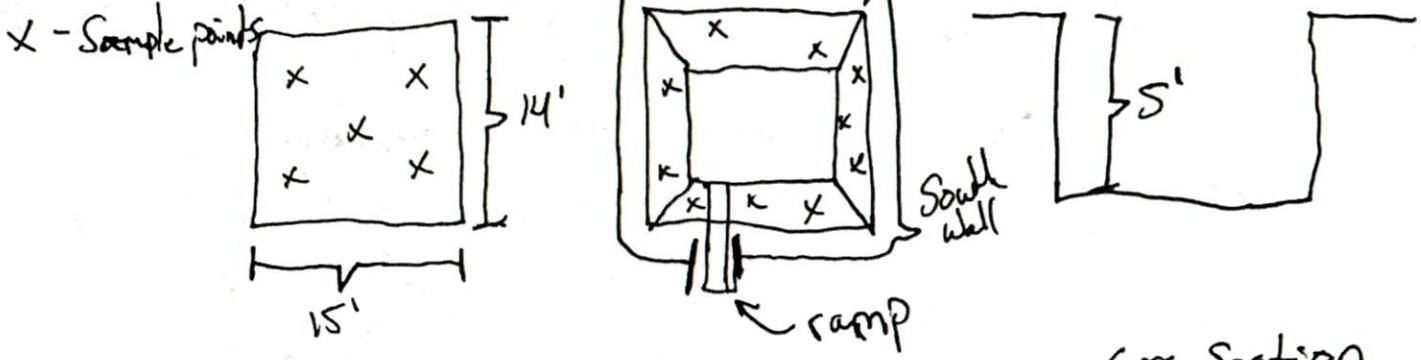


X'

N

10-10-2024 State 16 - #1 9am On Site
Clay Green

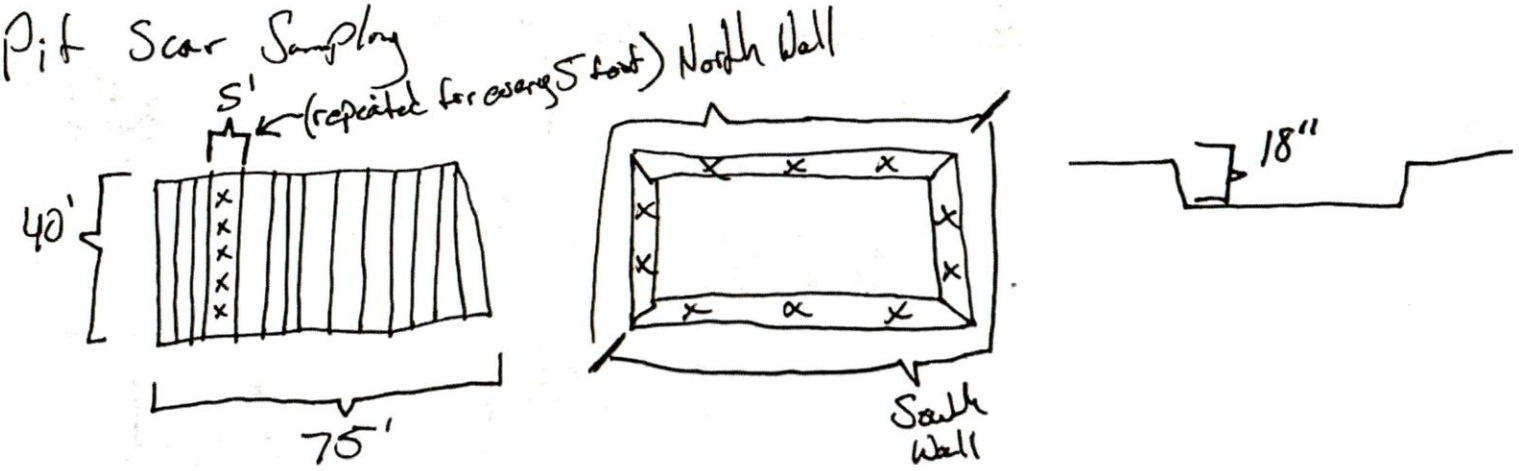
Water pit Sapling



5-point composite

Water pit floor
Water pit South Wall
Water pit North Wall

Pit Scar Sampling



5-point Composite Samples

14 floor Samples (pit scar 1-14)
2 Wall Samples (pit scar North & South Wall)

State 16# 1

WALSH ENGINEERING & PRODUCTION CORPORATION

Environmental Field Report

Operator:	Epic Energy	**Well Name:**	State 16-1	**API:**	
Date:	11/19/24	**Report #:**	1		
Field:	Lybrook	**Location:**	Sec. ,T N, R W	**County:** Rio Aribba	**State:** NM
Contractor:	3D Services	**Field Supervisor:**	CJG		
Daily Summary:	Remediation				

Detailed Work Summary:

3D services removed aprox 2 ft along the north wall of the water pit and aprox 6 inch from the floor. Also removed aprox 2 ft from the entire wall of the pit scar and 6 inches removed from the floor sample area 12 & 13. all together we removed 80 yards of soil and hauled in 80 yards of clean fill from envirotech LF. I will email reg to schedule witness sampling.

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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

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 518525
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2427846610**
Incident Name	**NAPP2427846610 STATE 16 1 @ 30-039-24528**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Received**
Incident Well	**[30-039-24528] STATE 16 #001**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	STATE 16 1
Date Release Discovered	10/10/2023
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	Cause: Normal Operations | Tank (Any) | Crude Oil | Released: 0 BBL | Recovered: 0 BBL | Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Normal Operations | Tank (Any) | Produced Water | Released: 0 BBL (Unknown Released Amount) | Recovered: 0 BBL | Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	On October 10, 2023, the State Land Office representative discovered a release shown by an aerial view from an above ground storage tank to the south of the well pad. After evaluating the area, an unknown amount of produced water was released and possibly leaked outside of the bermed secondary containment. No released fluids were recovered at the time of discovery. Uncertain how and when release occurred. After inspecting the AGT there were no holes or cracks observed.

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QUESTIONS (continued)

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 518525
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QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

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

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

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

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

I hereby agree and sign off to the above statement	Name: Shawna Martinez Title: Regulatory Technician Email: shawna@walsheng.net Date: 10/21/2025

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QUESTIONS (continued)

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 518525
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	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 100 and 200 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Between 100 and 200 (ft.)
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
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.	
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)	2660
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	213
GRO+DRO (EPA SW-846 Method 8015M)	29.9
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	11/24/2025
On what date will (or did) the final sampling or liner inspection occur	11/24/2025
On what date will (or was) the remediation complete(d)	12/08/2025
What is the estimated surface area (in square feet) that will be reclaimed	2500
What is the estimated volume (in cubic yards) that will be reclaimed	67
What is the estimated surface area (in square feet) that will be remediated	330
What is the estimated volume (in cubic yards) that will be remediated	67
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 (continued)

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	Action Number: 518525
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	fSC00000000048 ENVIROTECH
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Shawna Martinez Title: Regulatory Technician Email: shawna@walsheng.net Date: 10/21/2025
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 (continued)

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	Action Number: 518525
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

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	Action Number: 518525
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	***{Unavailable.}***

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 518525
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the work plan has been reviewed.	12/24/2025