



REVISED REMEDIATION CLOSURE REPORT

Property:


**Lost Tank 35 State #4 CTB
Eddy County, New Mexico
32.4287° N, 103.75538° W
SLO Lease Number: V036040002
NMOCD Incident ID: nAPP2234073696**

July 29, 2025
Ensolum Project No. 03B1417065


Prepared for:

**Oxy USA Inc.
P.O. Box 4294
Houston, TX 77210
Attn: Ms. Jessica Kent**

Prepared by:



Kelly Lowery, GI
Project Geologist



Beaux Jennings
Associate Principal



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ENSOLUM

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1.0 INTRODUCTION

1.1 Executive Summary

- On November 28, 2022, a release of crude oil was reported from a failure of a transfer pump at the Lost Tank 35 State 4 CTB, hereinafter referred to as the "Site". Approximately 60 barrels (bbls) of crude oil were released, with 55 bbls recovered, and impacted an area approximately 143 feet long and 30 feet wide at its maximum extents. Oxy contracted Ensolum, LLC (Ensolum) to perform sampling of the release area subsequent to the completion of initial remediation activities.
- On January 17, 2023, Ensolum arrived on-Site and collected a total of 30 composite soil samples from 30 locations (FS-1 through FS-30) at depths ranging from 0.5 feet to 1-foot below ground surface (bgs), within the release area. Based on the laboratory analytical results, 27 locations within the release area required excavation and/or remediation.
- Due to the unknown depth to groundwater in a 0.5-mile vicinity, a depth to water soil boring (SB-1/C-04691-POD-1) was installed on January 12, 2023 by Ensolum personnel. The soil boring was installed on Oxy property and near the Site. The soil boring was installed to 110 feet bgs, and groundwater was not encountered 72-hours after the soil boring was installed. The applicable Table I Closure Criteria was utilized based on the confirmed regional depth to groundwater exceeding 100 feet bgs at the Site.
- Between February 10, 2023 and January 30, 2024, Ensolum arrived at the Site and collected a total of 34 composite excavation floor samples (FS-1 through FS-26 and FS-30) from 27 locations as well as eight composite excavation sidewall samples from six locations (SW-1 through SW-6) within the release area. The composite floor samples were collected at depths ranging from 1-foot to 2 feet bgs and the sidewall samples were collected at depths ranging from ground surface to a maximum depth of 2 feet bgs.
- A Closure Report was prepared and submitted to the EMNRD OCD on February 26, 2024, to the New Mexico EMNRD OCD for approval. On April 24, 2024, the New Mexico EMNRD OCD rejected the Closure Report. Steps were subsequently taken by Oxy to address the requirements needed for closure.
- Based on the request from the New Mexico EMNRD OCD, on June 14, 2024, three composite sidewall samples were collected from the excavation (SW-1, SW-2, and SW-6) at depths between 0-1.5 feet bgs and 0-2 feet bgs.
- The primary objective of the closure activities was to reduce chemical of concern (COC) concentrations in the on-Site soils to below the applicable New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD) Closure Criteria for Soils Impacted by a Release using the New Mexico Administrative Code (NMAC) 19.15.29 Releases as guidance.

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- The final excavation measured approximately 230 feet long by five to 30 feet wide.
- A total of 75 composite soil samples (FS-1 through FS-30 and SW-1 through SW-6) from 36 locations were collected within the excavation area.
- Based on the laboratory analytical results, the final composite soil samples collected from the release area did not exhibit benzene, total benzene, toluene, ethylbenzene, and xylene (BTEX), total petroleum hydrocarbons (TPH), gasoline range organics (GRO), diesel range organics (DRO), motor oil range organics (MRO) or chloride concentrations above the applicable NMOCD Closure Criteria.

Based on field observations and laboratory analytical results, no additional investigation or corrective action appears to be warranted at this time.

1.2 Site Description & Background

Operator:	Oxy USA Inc. (Oxy)
Site Name:	Lost Tank 35 State #4 CTB
Location:	32.4287° N, 103.75538° W Eddy County, New Mexico
Property:	State Land Office (SLO)
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

The Site is location in Unit M, Section 35, Township 21 South, Range 31 East, in Eddy County, New Mexico and is associated with oil and gas exploration and production operations on State Trust Land managed by the SLO Property New Mexico SLO under lease number V036040002.

The Topographic Map depicting the location of the Site is included as **Figure 1**, the Site Vicinity Map is included as **Figure 2**, the Site Map indicating the locations of composite soil samples is included as **Figure 3**, and the Closure Criteria Map is included as **Figure 4** in **Appendix A**.

1.3 Project Objective

The primary objective of the closure activities was to reduce COC concentrations in the on-Site soils to below the applicable New Mexico EMNRD OCD closure criteria concentrations.

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. In order to address activities related to exempt oil and gas releases, the New Mexico EMNRD OCD references NMAC 19.15.29 *Releases*, which establishes investigation and abatement action requirements for sites subject to reporting and/or corrective action. Ensolum utilized information provided by Oxy, the general site characteristics, and information available from the New Mexico Office of the State Engineer (OSE) and the New Mexico EMNRD OCD Imaging database to determine the appropriate closure criteria for the Site.

- The Site is not located within 300 feet of a New Mexico EMNRD OCD-defined continuously flowing watercourse or any other significant watercourse.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.

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- The Site is not located within 300 feet from an occupied permanent residence, school, hospital, institution, or church.
- According to the OSE WRSS database there are no private, domestic freshwater wells used by less than five (5) households for domestic or stock water purposes identified within 500 feet of the Site.
- Due to the unknown depth to groundwater in the 0.5-mile vicinity, a soil boring (SB-1/C-04691-POD-1) to determine regional depth to groundwater was installed on January 12, 2023, by Ensolum personnel. The soil boring was installed on Oxy property on Site. The soil boring was installed to 110 feet bgs, and groundwater was not encountered 72-hours after the soil boring was installed. The applicable Table I Closure Criteria were utilized based on the confirmed regional depth to groundwater at the Site.
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3.
- The Site is not located within 300 feet of a wetland.
- Based on information identified on the New Mexico Mining and Minerals Division's GIS, Maps and Mine Data database, the Site is not located within an area overlying a subsurface mine.
- Based on the Karst Occurrence Potential (.kmz) provided by the Bureau of Land Management (BLM), the Site is not located within an unstable area.
- The Site is noted to be located within an area of minimal flood hazard.

Based on the identified siting criteria, cleanup goals for soils remaining in place at the Site include:

Closure Criteria for Soils Impacted by a Release (Non-Vegetative Zone)			
Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
>100 feet	Chloride	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO)	EPA SW-846 Method 8015M	1,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

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Closure Criteria for Soils Impacted by a Release (Vegetative Zone)			
Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
≤50 feet	Chloride	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

3.0 NMSLO CULTURAL RESOURCES AND BIOLOGICAL REVIEW

3.1 Cultural Properties Protection

Since the release occurred on the well pad, the Site is exempt from the Cultural Properties Protection Rule (CPP). As such, no additional cultural resource surveys were completed in connection with this release.

3.2 Biological Review

Ensolum personnel conducted a desktop review to establish if the Site is within an area of possible threatened, endangered, and sensitive wildlife and plant species, environmentally sensitive areas, surface waters, and sensitive soils.

- A review of the U.S. Fish and Wildlife Services Information for Planning and Consultation (IPaC) resources indicated there are no critical wildlife habitats at the Site. Threatened and endangered cactus species are potentially present in the area surrounding the Site; however, no native vegetation outside of the well pad extent was disturbed during remediation activities.
- No environmentally sensitive receptors were located near the Site, as determined by the Site Characterization.
- The Natural Resources Conservation Service (NRCS) Web Soil Survey classifies the soil type at the Kermit-Berino fine sands, 0 to 3 percent slopes (KM, 1w4q). The release occurred on the caliche surface of the well pad limiting contact with potentially sensitive native soil.

4.0 SOIL REMEDIATION ACTIVITIES

On November 28, 2022, a release of crude oil was reported from from a failure of a transfer pump at the Site. Approximately 60 bbls of crude oil were released inside of the tank battery's earthen berm containment, with 55 bbls recovered. Oxy contracted Ensolum to perform sampling of the release area.

On January 17, 2023, subsequent to the completion of initial remediation activities, Ensolum arrived on-Site and collected a total of 30 composite floor soil samples (FS-1 through FS-30) from 30 locations within the release area at depths ranging from 0.5 feet to 1-foot bgs. Based on the laboratory analytical results, additional excavation was required.

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On February 10, 2023, subsequent to additional excavation, Ensolum returned to the Site to collect 15 composite floor samples from 15 locations (FS-13 through FS-26 and FS-30) at depths ranging from 1 foot to 1.5 feet bgs. Based on the laboratory analytical results, additional excavation was required at four locations.

On November 16, 2023, subsequent to additional excavation, Ensolum returned to the Site to collect 4 composite floor samples from 4 locations (FS-14, FS-16, FS-22 and FS-30).

On December 15, 2023, Ensolum arrived at the Site and collected a total of 12 composite floor samples from 12 locations (FS-1 through FS-12) subsequent to additional excavation activities. The composite floor soil samples were collected from a depth of 2 feet bgs. Based on the laboratory analytical results, additional excavation was required at three locations.

On January 18, 2024, Ensolum returned to the Site and collected three composite floor samples (FS-6, FS-9, FS-12) from three locations at a depth of 2 feet bgs. Additionally, a total of six composite sidewall soil samples (SW-1 through SW-6) were collected from six locations at depths ranging from ground surface to a maximum depth of 2 feet bgs.

Subsequent to additional excavation Ensolum returned to the Site on January 30, 2024 and collected two composite sidewall locations (SW-3 and SW-5).

On February 26, 2023, a Closure Report was submitted to the New Mexico EMNRD OCD for approval.

On April 24, 2024, the New Mexico EMNRD OCD rejected the Closure Report. Steps were subsequently taken by Oxy to address the requirements needed for closure.

Based on the request from the New Mexico EMNRD OCD, on June 14, 2024, three composite sidewall samples were collected from the excavation (SW-1, SW-2, and SW-6) at depths between 0-1.5 feet bgs and 0-2 feet bgs.

Based on the laboratory analytical data, no additional excavation or remediation was required.

The final excavation area measured approximately 143 feet long by 30 feet wide at its maximum extents, with a depth ranging from 1 to 2 feet bgs.

The lithology at the Site consists primarily of fine-grained red sand (KM, 1w4q).

The excavation measured approximately 5,469 square feet in aerial extent. A total of approximately 356 cubic yards (cy) of soil were excavated from the Site and hauled off for proper disposal at Lea Land Facility located in Hobbs, New Mexico. After confirmation sampling was completed, the backfill of the excavation was completed utilizing material purchased from the Stacy Mills Pit (Mills Ranch Pit) and re-contoured to match pre-existing conditions.

Figure 3 identifies approximate soil sample locations and approximate dimensions of the impacted area with respect to the Site (**Appendix A**). Photographic documentation of the field activities is included in **Appendix C**.

5.0 SOIL SAMPLING PROGRAM

Ensolum's composite soil sampling program included the collection of 75 composite soil samples from 36 locations (FS-1 through FS-30 and SW-1 through SW-6) total from within the release area. The composite soil samples from within the excavation area were collected at depths ranging from 0.5 feet to 2 feet bgs, and the composite soil samples collected from the sidewalls of the excavation were collected from ground surface to a maximum depth of 2 feet bgs.

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The composite soil samples were collected and placed in laboratory prepared glassware, labeled/sealed using laboratory supplied labels and custody seals, and stored on ice in a cooler. The samples were relinquished to Cardinal Laboratories in Hobbs, New Mexico for standard laboratory analysis.

6.0 SOIL LABORATORY ANALYTICAL METHODS

The composite soil samples were analyzed for BTEX utilizing Environmental Protection Agency (EPA) SW-846 Method 8021B, TPH GRO/DRO/MRO utilizing EPA SW-846 Method 8015M, and chloride utilizing Standard Method 4500-Cl B.

Laboratory analytical results are summarized in **Table 1** in **Appendix D**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix E**.

7.0 DATA EVALUATION

Ensolum compared the benzene, total BTEX, TPH-GRO/DRO/MRO, and chloride concentrations or laboratory sample detection limits (SDLs) associated with the soils remaining in place to the applicable NMOCD Closure Criteria. The final composite soil samples collected from the Non-Vegetative Zone were compared to the NMOCD Closure Criteria for Soils Impacted by a Release (Non-Vegetative Zone), while the final composite soil samples collected from the Vegetative Zone were compared to the NMOCD Closure Criteria for Soils Impacted by a Release (Vegetative Zone).

- Laboratory analytical results indicate benzene concentrations for excavation floor soils and excavation sidewall soils remaining in place at the Site and the backfill material are below the laboratory SDLs or the applicable NMOCD Closure Criteria of 10 milligrams per kilogram (mg/kg) for Remediation and Reclamation Requirements.
- Laboratory analytical results indicated that total BTEX concentrations for excavation floor soils and excavation sidewall soils remaining in place at the Site and the backfill material are below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 50 mg/kg for Remediation and Reclamation Requirements.
- Laboratory analytical results indicate that the combined TPH-GRO/DRO concentrations for excavation floor soils remaining in place in the Non-Vegetative Zone are below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 1,000 mg/kg for depth to groundwater >100 feet for Remediation Requirements.
- Laboratory analytical results indicate that the combined TPH-GRO/DRO/MRO concentrations for excavation floor soils remaining in place in the Non-Vegetative Zone are below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 2,500 mg/kg for depth to groundwater >100 feet for Remediation Requirements.
- Laboratory analytical results indicate chloride concentrations for excavation floor soils remaining in place in the Non-Vegetative Zone are below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 20,000 mg/kg for depth to groundwater >100 feet for Remediation Requirements.
- Laboratory analytical results indicated combined TPH-GRO/DRO/MRO concentrations for excavation sidewall soils remaining in place in the Vegetative Zone and the backfill material are below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 100 mg/kg for depth to groundwater ≤50 feet for Reclamation Requirements.
- Laboratory analytical results indicated chloride concentrations for excavation sidewall soils remaining in place in the Vegetative Zone and the backfill material are below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 600 mg/kg for depth to groundwater ≤50 feet for Reclamation Requirements.

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Laboratory analytical results are summarized in **Table 1**, **Table 2** and **Table 3** in **Appendix D**.

8.0 RECLAMATION AND RE-VEGETATION

Subsequent to the results of the final confirmation soil sampling, the identified impacted soils were removed and taken off-Site for proper disposal. A composite soil sample was collected from the backfill material (Mills Ranch Pit) prior to its use at the Site. The excavated area was backfilled with clean fill material and then contoured to the original surrounding grade. Since the release area was on an active facility pad in an area reasonably needed for production operations or for subsequent drilling operations, no reclamation or re-vegetation was required at this time per 19.15.29.13 NMAC.

9.0 FINDINGS AND RECOMMENDATION

- On November 28, 2022, a release of crude oil was reported from a failure of a transfer pump at the Site. Approximately 60 bbls of crude oil were released, with 55 bbls recovered, and impacted an area approximately 143 feet long by 30 feet wide at its maximum extents. Oxy contracted Ensolum to perform sampling of the release area subsequent to the completion of initial remediation activities.
- On January 17, 2023, Ensolum arrived on-Site and collected a total of 30 composite soil samples (FS-1 through FS-30) from 30 locations at a depth of 0.5 feet to 1-foot bgs, within the release area. Based on the laboratory analytical results, 27 locations within the release area required excavation and/or remediation.
- Due to the unknown depth to groundwater in the 0.5-mile vicinity, a depth to water soil boring (SB-1/C-04691-POD-1) was installed on January 12, 2023 by Ensolum personnel. The soil boring was installed on Oxy property on Site. The soil boring was installed to 110 feet bgs, and groundwater was not encountered 72-hours after the soil boring was installed. The applicable Closure Criteria were utilized based on the lack of groundwater observed within the first 110 feet bgs at the Site.
- Between February 10, 2023 and January 30, 2024, Ensolum arrived at the Site and collected a total of 34 composite excavation floor samples (FS-1 through FS-26 and FS-30) from 27 locations as well as eight composite excavation sidewall samples from six locations (SW-1 through SW-6) within the release area. The composite floor samples were collected at depths ranging from 1-foot to 2 feet bgs and the sidewall samples were collected at depths ranging from ground surface to a maximum depth of 2 feet bgs.
- A Closure Report was prepared and submitted to the EMNRD OCD on February 26, 2024, to the New Mexico EMNRD OCD for approval. On April 24, 2024, the New Mexico EMNRD OCD rejected the Closure Report. Steps were subsequently taken by Oxy to address the requirements needed for closure.
- Based on the request from the New Mexico EMNRD OCD, on June 14, 2024, three composite sidewall samples were collected from the excavation (SW-1, SW-2, and SW-6) at depths between 0-1.5 feet bgs and 0-2 feet bgs.
- The final release final measured approximately 143 feet long by 30 feet wide at its maximum extents with a depth ranging from 1 to 2 feet bgs.
- A total of 75 composite soil samples (FS-1 through FS-30 and SW-1 through SW-6) from 36 locations from within the excavation area.
- Based on the laboratory analytical results, the final composite soil samples collected from the release area did not exhibit benzene, total BTEX, TPH GRO/DRO/MRO or chloride concentrations above the applicable NMOCD Closure Criteria.

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Based on field observations and laboratory analytical results, no additional investigation or corrective action appears warranted at this time.

10.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

10.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the work of third parties supplying information used in the report (e.g., laboratories, regulatory agencies, or other third parties). This scope of services was performed in accordance with the scope of work agreed with the client, as detailed in our proposal.

10.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-Site activities and other services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings, and recommendations are based solely upon data available to Ensolum at the time of these services.

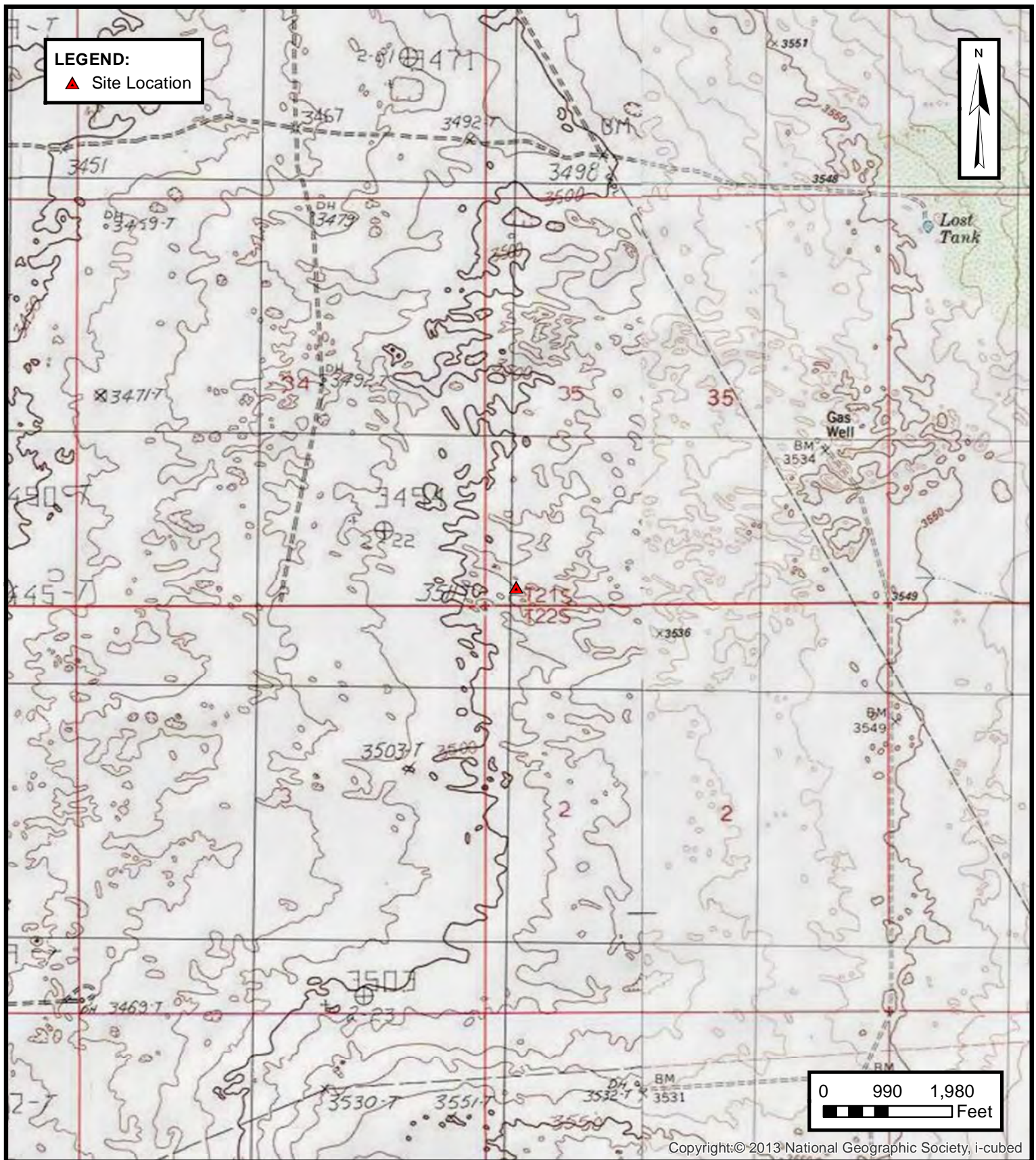
10.3 Reliance

This report has been prepared for the exclusive use of Oxy USA, Inc., and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization Oxy USA, Inc. and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the Closure Report, and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.



APPENDIX A

Figures

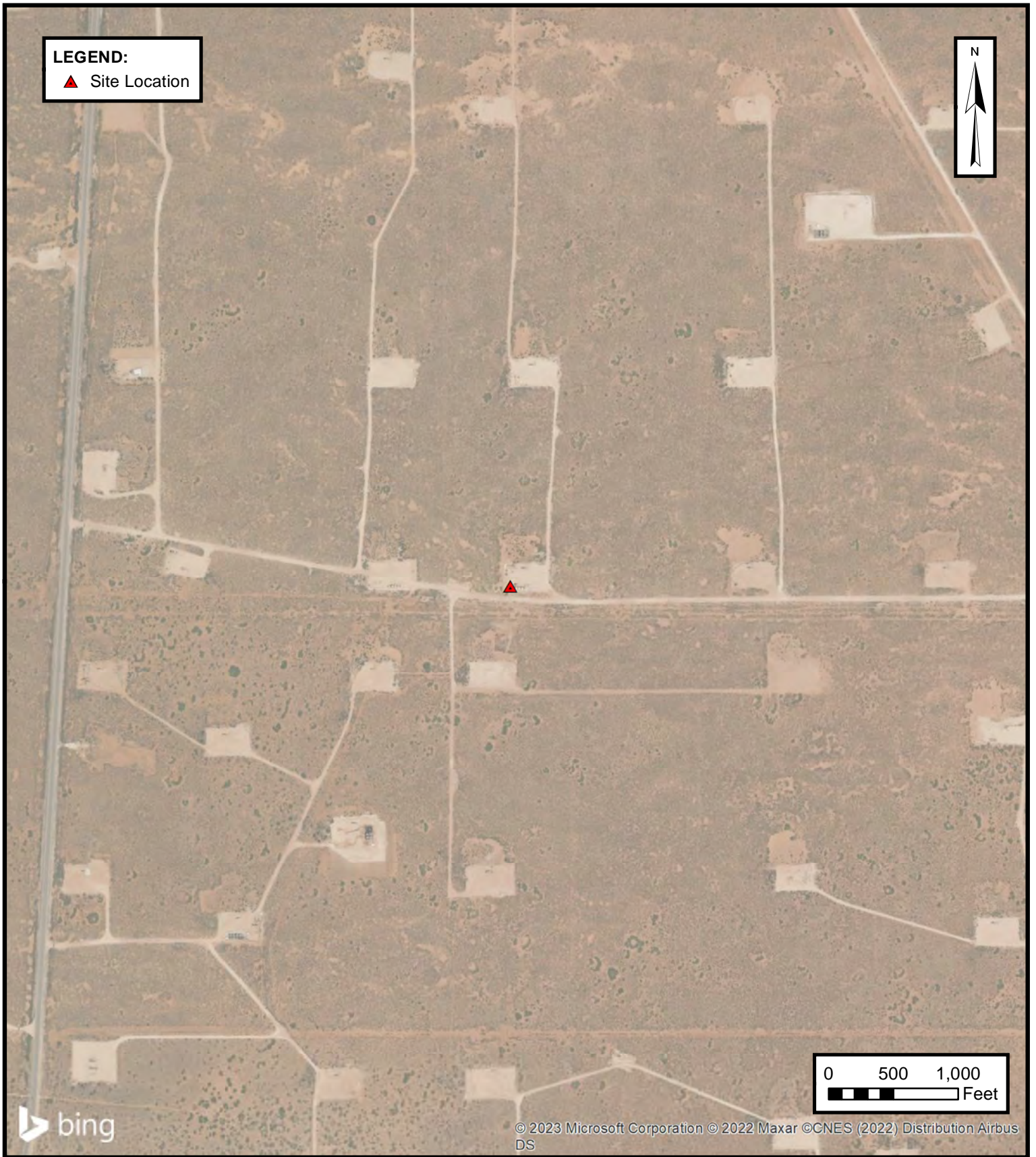


ENSOLUM
 Environmental, Engineering and
 Hydrogeologic Consultants

TOPOGRAPHIC MAP
 OXY USA INC.
 LOST TANK 35 STATE #4 CTB
 Eddy County, New Mexico
 32.4287° N, 103.75538° W

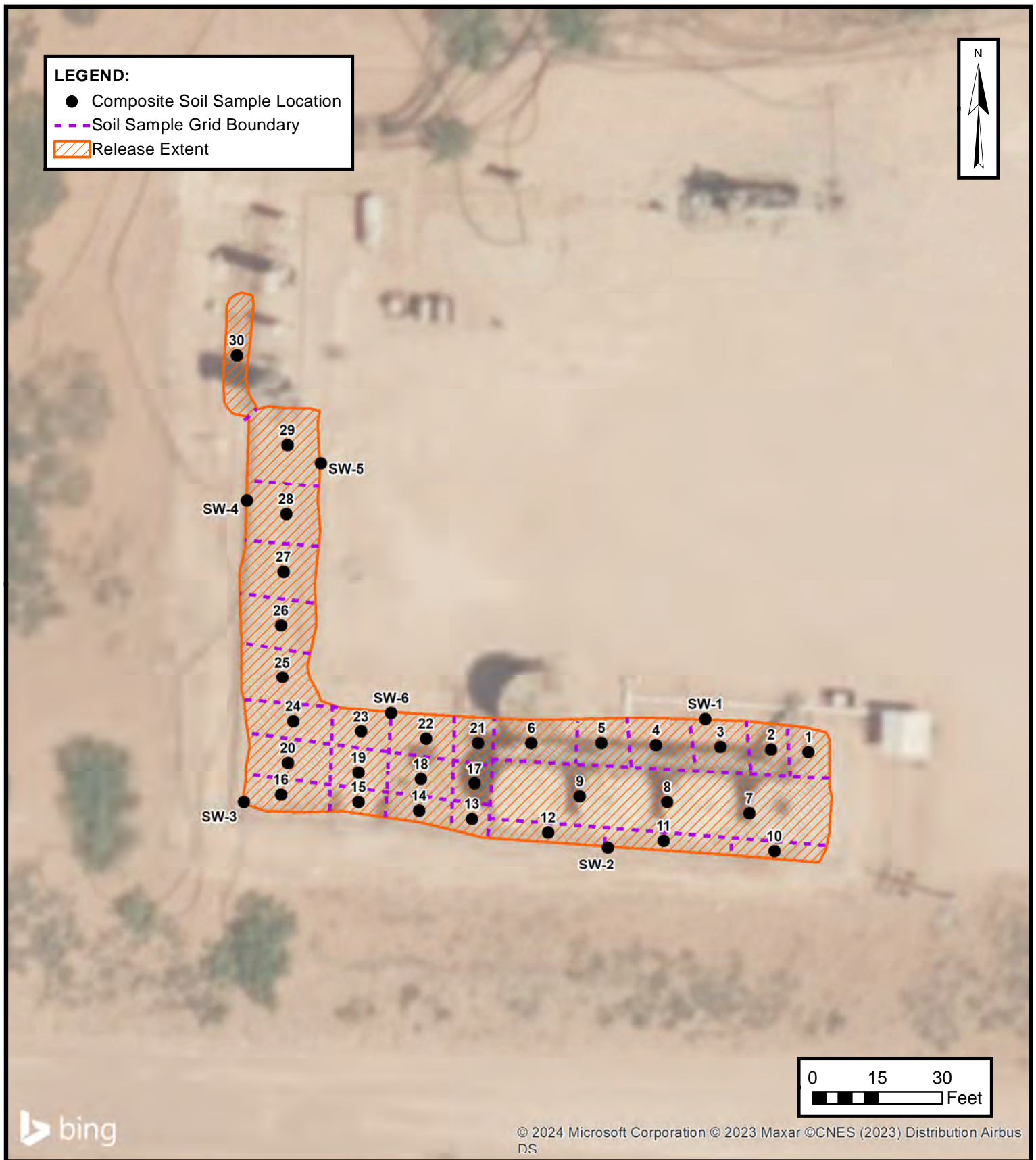
PROJECT NUMBER: 03B1417065

FIGURE
1



SITE VICINITY MAP
OXY USA INC.
LOST TANK 35 STATE #4 CTB
Eddy County, New Mexico
32.4287° N, 103.75538° W
PROJECT NUMBER: 03B1417065

FIGURE
2



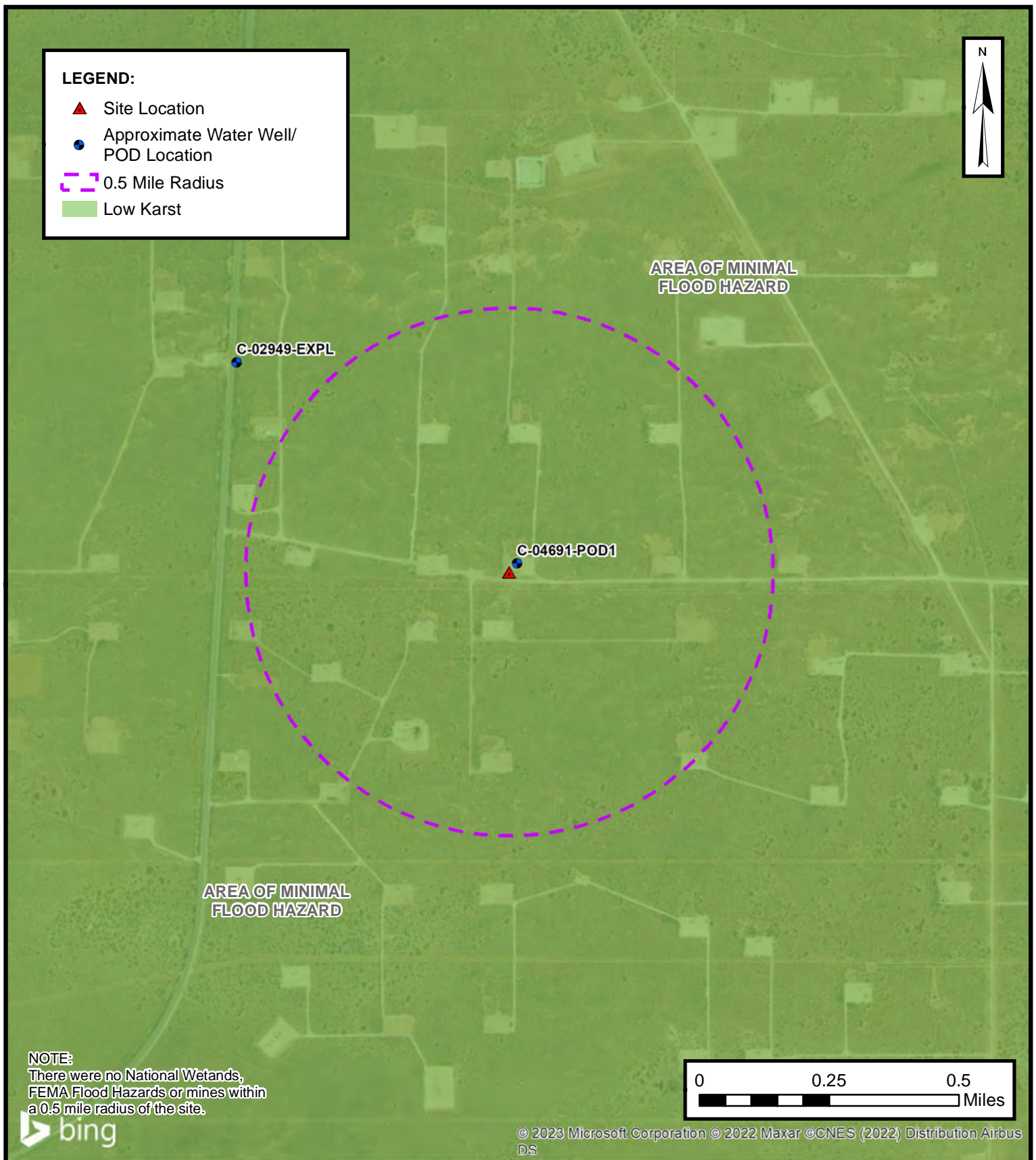
SITE MAP

OXY USA INC.
LOST TANK 35 STATE #4 CTB
Eddy County, New Mexico
32.4287° N, 103.75538° W

PROJECT NUMBER: 03B1417065

FIGURE

3



CLOSURE CRITERIA MAP

OXY USA INC.
LOST TANK 35 STATE #4 CTB
Eddy County, New Mexico
32.4287° N, 103.75538° W

PROJECT NUMBER: 03B1417065

FIGURE

4



APPENDIX B

Supporting Documentation

Beaux Jennings

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Monday, January 9, 2023 3:16 PM
To: Beaux Jennings
Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
Subject: RE: [EXTERNAL] Lost Tank 35 State #4 CTB (Incident ID # nAPP2234073696)

[**EXTERNAL EMAIL**]

Beaux,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
<http://www.emnrd.nm.gov>



From: Beaux Jennings <bjenning@ensolum.com>
Sent: Monday, January 9, 2023 1:56 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Lost Tank 35 State #4 CTB (Incident ID # nAPP2234073696)

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

Good Afternoon,

On behalf of Oxy USA Inc, Ensolum, LLC would like to provide notification for sampling activities that will be conducted at the Lost Tank 35 State #4 CTB (Incident ID # nAPP2234073696) on Friday, January 13th at 11am. The samples may be used for closure, provided that they meet applicable closure limits.

Thank you



Beaux Jennings
Senior Project Manager
210-219-8858
Ensolum, LLC
in f

Beaux Jennings

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Monday, December 19, 2022 10:07 AM
To: Beaux Jennings
Cc: Bratcher, Michael, EMNRD; Harimon, Jocelyn, EMNRD
Subject: RE: [EXTERNAL] Lost Tank 35 State #4 CTB (Incident ID # nAPP2234073696)

[**EXTERNAL EMAIL**]

Beaux,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Beaux Jennings <bjennings@ensolum.com>
Sent: Monday, December 19, 2022 8:39 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Lost Tank 35 State #4 CTB (Incident ID # nAPP2234073696)

Good Morning,

On behalf of Oxy USA Inc, Ensolum, LLC would like to provide notification for sampling activities that will be conducted at the Lost Tank 35 State #4 CTB (Incident ID # nAPP2234073696) on Wednesday, December 21st at 12pm. The samples may be used for closure, provided that they meet applicable closure limits.

Thank you,



Beaux Jennings
Senior Project Manager
210-219-8858
Ensolum, LLC
in f

PLEASE NOTE OUR NEW CORPORATE ADDRESS:

Ensolum, LLC
8330 LBJ Freeway, Ste. 830
Dallas, TX 75243

Beaux Jennings

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, January 12, 2023 4:46 PM
To: Beaux Jennings
Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
Subject: RE: [EXTERNAL] Lost Tank 35 State #4 CTB (Incident ID # nAPP2234073696)

[**EXTERNAL EMAIL**]

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JH

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
<http://www.emnrd.nm.gov>



From: Beaux Jennings <bjenning@ensolum.com>
Sent: Thursday, January 12, 2023 2:22 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Lost Tank 35 State #4 CTB (Incident ID # nAPP2234073696)

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

Good Afternoon,

On behalf of Oxy USA Inc, Ensolum, LLC would like to provide notification for sampling activities that will be conducted at the Lost Tank 35 State #4 CTB (Incident ID # nAPP2234073696) on Tuesday, January 17th at 1pm. The samples may be used for closure, provided that they meet applicable closure limits.

Thank you



Beaux Jennings
Senior Project Manager
210-219-8858
Ensolum, LLC
in f

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Monday, December 12, 2022 5:07 PM
To: Beaux Jennings <bjennings@ensolum.com>
Subject: RE: [EXTERNAL] Lost Tank 35 State #4 CTB (Incident ID # nAPP2234073696)

[**EXTERNAL EMAIL**]

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Beaux Jennings <bjennings@ensolum.com>
Sent: Monday, December 12, 2022 3:32 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Lost Tank 35 State #4 CTB (Incident ID # nAPP2234073696)

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

Good Afternoon,

On behalf of Oxy USA Inc, Ensolum, LLC would like to provide notification for sampling activities that will be conducted at the Lost Tank 35 State #4 CTB (Incident ID # nAPP2234073696) on Friday, December 16th at 11am. The samples may be used for closure, provided that they meet applicable closure limits.

Thank you,



Beaux Jennings
Senior Project Manager
210-219-8858
Ensolum, LLC
in f  

PLEASE NOTE OUR NEW CORPORATE ADDRESS:

Ensolum, LLC
8330 LBJ Freeway, Ste. 830
Dallas, TX 75243

Beaux Jennings

From: Dittrich, John W <Wade_Dittrich@oxy.com>
Sent: Tuesday, June 27, 2023 3:42 PM
To: Beaux Jennings
Subject: FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 190062

[**EXTERNAL EMAIL**]

DENIED-Lost Tank 35 St. #4 CTB

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, June 27, 2023 2:36 PM
To: Dittrich, John W <Wade_Dittrich@oxy.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 190062

WARNING - This message is from an EXTERNAL SENDER - be CAUTIOUS, particularly with links and attachments.

To whom it may concern (c/o Wade Dittrich for OXY USA INC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2234073696, for the following reasons:

- **The Remediation Plan is Denied. Sidewall/Edge samples need to be conducted in the release area excavation. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Collect confirmation samples, representing no more than 200 ft². Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. Chain of Custody and Analysis Request form on 2/10/23 shows soil samples not on ice and above temperature at lab. Any sample relinquished over 6 degrees Celsius and not on ice will need to be resampled. The work will need to occur in 90 days after the work plan has been reviewed.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 190062. Please review and make the required correction(s) prior to resubmitting.

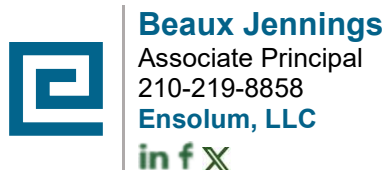
If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Robert Hamlet
575-748-1283
Robert.Hamlet@emnrd.nm.gov

Kelly Lowery

From: Beaux Jennings
Sent: Monday, June 17, 2024 10:43 AM
To: David, Deon W.
Cc: SLO Surface ECO; Dittrich, John W; Kelly Lowery
Subject: RE: nAPP2234073696. Oxy USA Inc. - Lost Tank 35 State #4 CTB. Remediation Closure Suspended/deferred..

Thank you sir!



From: David, Deon W. <ddavid@slo.state.nm.us>
Sent: Monday, June 17, 2024 10:32 AM
To: Beaux Jennings <bjennings@ensolum.com>
Cc: SLO Surface ECO <SLOSurfaceECO@slo.state.nm.us>
Subject: RE: nAPP2234073696. Oxy USA Inc. - Lost Tank 35 State #4 CTB. Remediation Closure Suspended/deferred..

You don't often get email from ddavid@slo.state.nm.us. [Learn why this is important](#)

[**EXTERNAL EMAIL**]

Good Morning Beaux,

Please disregard the previous response, dated 06/10/2024. The adjusted response is as follows:-

Documentation of a spill/release remediation was received from your office on 02/26/2024, regarding the subject site incident. The NMSLO Environmental Compliance Office (ECO) has reviewed the records submitted regarding the subject remediation efforts, and based on the current site conditions, NMSLO does not consider this incident to be resolved until all remediation and reclamation requirements are met in full per the applicable NMSLO lease contract and rules, and in accordance with 19.15.29.13 NMAC.

ECO Incident Status for Oxy USA Inc. - Lost Tank 35 State #4 CTB. 11/28/22

19.15.29.12 NMAC Remediation and Closure – **COMPLETE.**

19.15.29.13 NMAC Restoration, Reclamation, and Revegetation – **SUSPENDED/DEFERRED.**



Environmental Compliance Office
 Surface Resources Division
eco@slo.state.nm.us
nmstatelands.org



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you.

From: David, Deon W.

Sent: Monday, June 10, 2024 3:55 PM

To: bjennings@ensolum.com

Cc: SLO Surface ECO <SLOSurfaceECO@slo.state.nm.us>

Subject: nAPP2234073696. Oxy USA Inc. - Lost Tank 35 State #4 CTB. Remediation Closure Denied.



Documentation of a spill/release remediation was received from your office on 02/26/2024, regarding the subject site incident. The NMSLO Environmental Compliance Office (ECO) has reviewed the records submitted regarding the subject remediation efforts, and based on the current site conditions, NMSLO does not consider this incident to be resolved until all remediation and reclamation requirements are met in full per the applicable NMSLO lease contract and rules, and in accordance with 19.15.29.13 NMAC.

Delineation/excavation efforts need to continue to meet the closure criteria, Top 4' – 600 mg/kg - chlorides, 100 mg/kg - TPH, 50 mg/kg – BTEX, and 10 mg/kg – Benzene.

ECO Incident Status for Oxy USA Inc. - Lost Tank 35 State #4 CTB. 11/28/22

19.15.29.12 NMAC Remediation and Closure - **INCOMPLETE**

19.15.29.13 NMAC Restoration, Reclamation, and Revegetation – **INCOMPLETE**

Environmental Compliance Office
 Surface Resources Division
eco@slo.state.nm.us
nmstatelands.org



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transmission is STRICTLY PROHIBITED. If you have received this transmission in error, please immediately notify the sender and delete the original transmission and its attachments without reading or saving in any manner. Thank you.

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Tuesday, June 18, 2024 8:20 AM
To: Dittrich, John W <Wade_Dittrich@oxy.com>
Cc: Jennings, Kalei M <Kalei_Jennings@oxy.com>
Subject: [EXTERNAL] Rejection-Lost Tank 35 St. #4 CTB-nAPP2234073696

WARNING – This message is from an EXTERNAL SENDER – be CAUTIOUS, particularly with links and attachments.

John,

While vertical definition of contamination that may be acceptable is almost exclusively driven by depth to water, as determined, and as driven by Table I in rule, horizontal definition is different. The edges (horizontal definition) of a liquid release must be determined as well. The only value for determination of horizontal impact are derived by either “background” value as determined appropriate to Rule 29, or, for chloride, 600 mg/kg in soils. This 600 mg/Kg value is discussed in detail in 19.15.29.13 D. (1). **Therefore, horizontal soils delineation for chloride should be 600 mg/KG (again, or background) for all liquid releases, either on or off production pad.** It is conceivable that in determining the horizontal extent of chloride that the edge of the production pad may be encountered, if last sample taken on pad limit, samples(s) must be obtained off pad to determine extent of release. If horizontal delineation samples on pad eventually reach a mechanical barrier, (such as pipeline or battery) sample(s) should be obtained as near as possible on the linear opposite side of said barrier and as close as possible to barrier. It is conceivable that a liquid release may occur with, for example, a surface soil chloride of 19,000 mg/Kg, and if it is reliably determined that groundwater is over 101 feet below ground surface, then that value may stand as a vertical definition, but nonetheless, the horizontal value(s) for lateral extent of liquid release would still, of Rule 29 necessity, be 600 mg/Kg chloride or less. **This would be inclusive of both “on-pad” of “off-pad” release area.** The above if laboratory data driven, not just reported visual extent of a liquid release or calculated and reported release volumes. As indicated in above portions, a scaled map with horizontal and vertical definition of actual laboratory values is required. Generally, the top one foot sample suffices for immediate horizontal evaluation and deeper contamination would likely be identified during actual remediation.

Horizontal delineation (sidewalls/edge) requires the release area to be delineated to 600 mg/kg for chlorides and 100 mg/kg for TPH.

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



From: Dittrich, John W <Wade_Dittrich@oxy.com>
Sent: Monday, June 17, 2024 11:30 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Jennings, Kalei M <Kalei_Jennings@oxy.com>
Subject: [EXTERNAL] Rejection-Lost Tank 35 St. #4 CTB-nAPP2234073696

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

Robert,

We believe that this site (Lost Tank 35 St. #4 CTB, Incident ID: nAPP2234073696) was rejected in error. Please see the attached Remediation and Closure approval from the State Land Office.

Based on the 19.15.29.12 NMAC Remediation and Closure, activities at the site are complete. Delineation to the site Closure Criteria for Soils Impacted by a Release (Table I) has also been completed. Delineation for this site to 600 mg/kg for chloride and 100 mg/kg for TPH is not a requirement of the 19.15.29.12 NMAC guidance document.

19.15.29.12 NMAC Restoration, Reclamation and Re-Vegetation will remain open until the on-site equipment is removed or the facility is decommissioned.

Please let me know if you have any questions.

Thank you,

Wade Dittrich
Environmental Advisor
New Mexico
575-390-2828
wade_dittrich@oxy.com



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				
NA	C 04691 POD1	3	3	3	35	21S	31E	617015	3588637				
x													
Driller License:	1184	Driller Company:				WEST TEXAS WATER WELL SERVICE							
Driller Name:	RUSSELL SOUTHERLAND												
Drill Start Date:	01/12/2023	Drill Finish Date:				01/12/2023		Plug Date:					
Log File Date:	02/20/2023	PCW Rcv Date:				Source:							
Pump Type:		Pipe Discharge Size:				Estimated Yield:							
Casing Size:		Depth Well:				110 feet		Depth Water:					
x													

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/19/24 2:40 PM

POINT OF DIVERSION SUMMARY

Client: Oxy USA Inc.
 Project Name: Lost Tank 35 State #4 CTB
 Project Location: Eddy County, New Mexico
 Project Manager: Beaux Jennings

SOIL BORING / WELL LOG

DRILLING & SAMPLING INFORMATION

Date Started: 1/12/2023
 Date Completed: 1/12/2023
 Drilling Company: West Texas Water Well Services
 Driller: Russell Southerland

Soil Boring / Well Number: SB-1/C-04691-POD-1
 Project #: 03B1417065
 Drawn By: Beaux Jennings
 Approved By: Heather Holthaus

Geologist: Kelly Lowery Sampler: Kelly Lowery
 Boring Method: AR Logged By: Kelly Lowery
 Sampler Type: AR
 Bore Hole Diameter: 6" Screen: N/A
 Casing Diameter: N/A Total Depth: 110'
 Well Materials: N/A
 Surface Completion: N/A

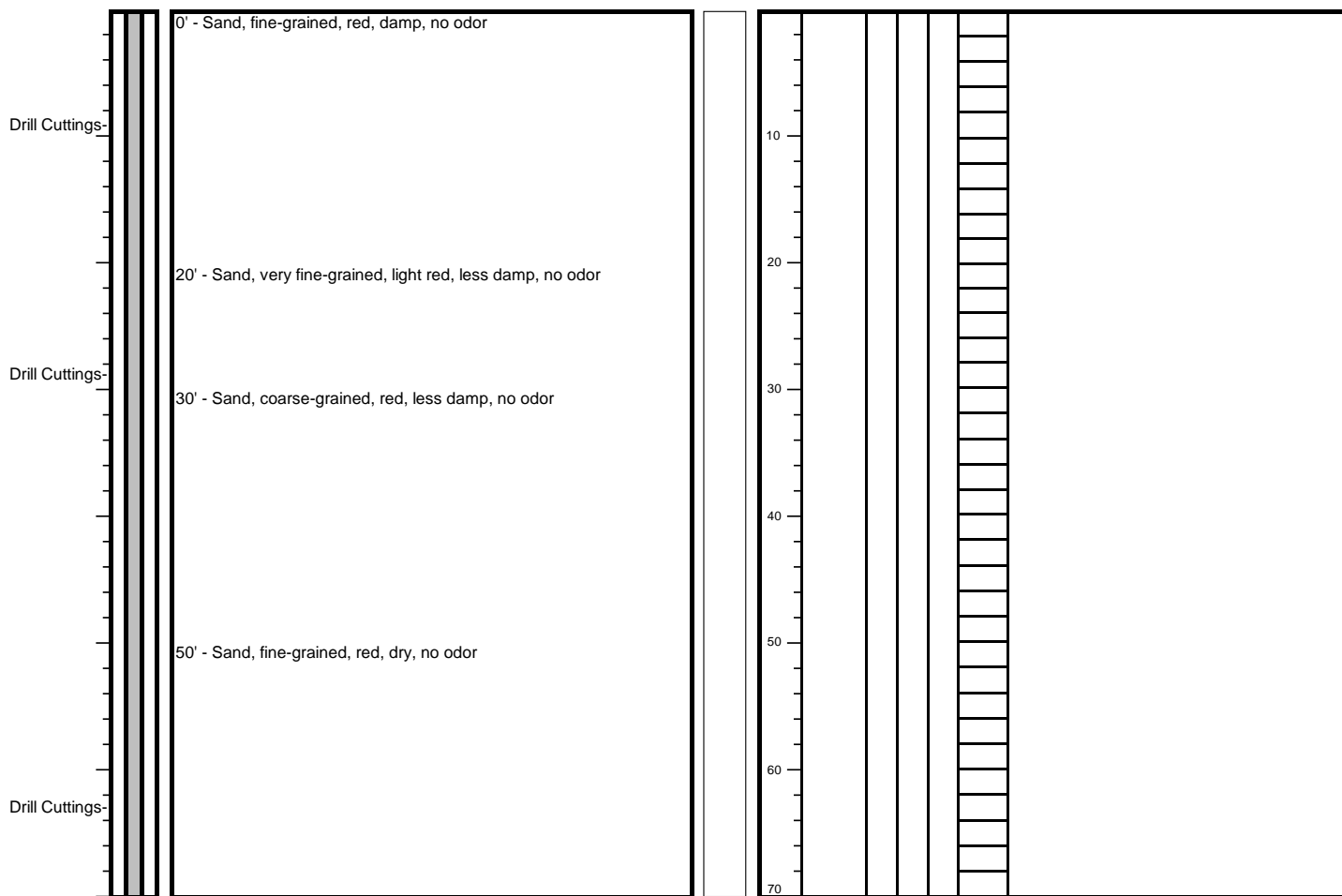
BORING METHOD
 HSA - HOLLOW STEM AUGERS
 CFA - CONTINUOUS FLIGHT AUGERS
 GP - GEOPROBE
 AR - AIR ROTARY

SAMPLER TYPE
 CB - FIVE FOOT CORE BARREL
 SS - DRIVEN SPLIT SPOON
 ST - PRESSED SHELBY TUBE

GROUNDWATER DEPTH
 ▽ AT COMPLETION
 ▽ AT WELL STABILIZATION

BORING AND SAMPLING NOTES

Soil Boring Detail	SOIL CLASSIFICATION	Stratum Depth	Depth Scale	Sample No.	Sample Interval	% Recovery	Groundwater Depth	FID/PID Readings (ppm)
--------------------	---------------------	---------------	-------------	------------	-----------------	------------	-------------------	------------------------



NR - No Recovery



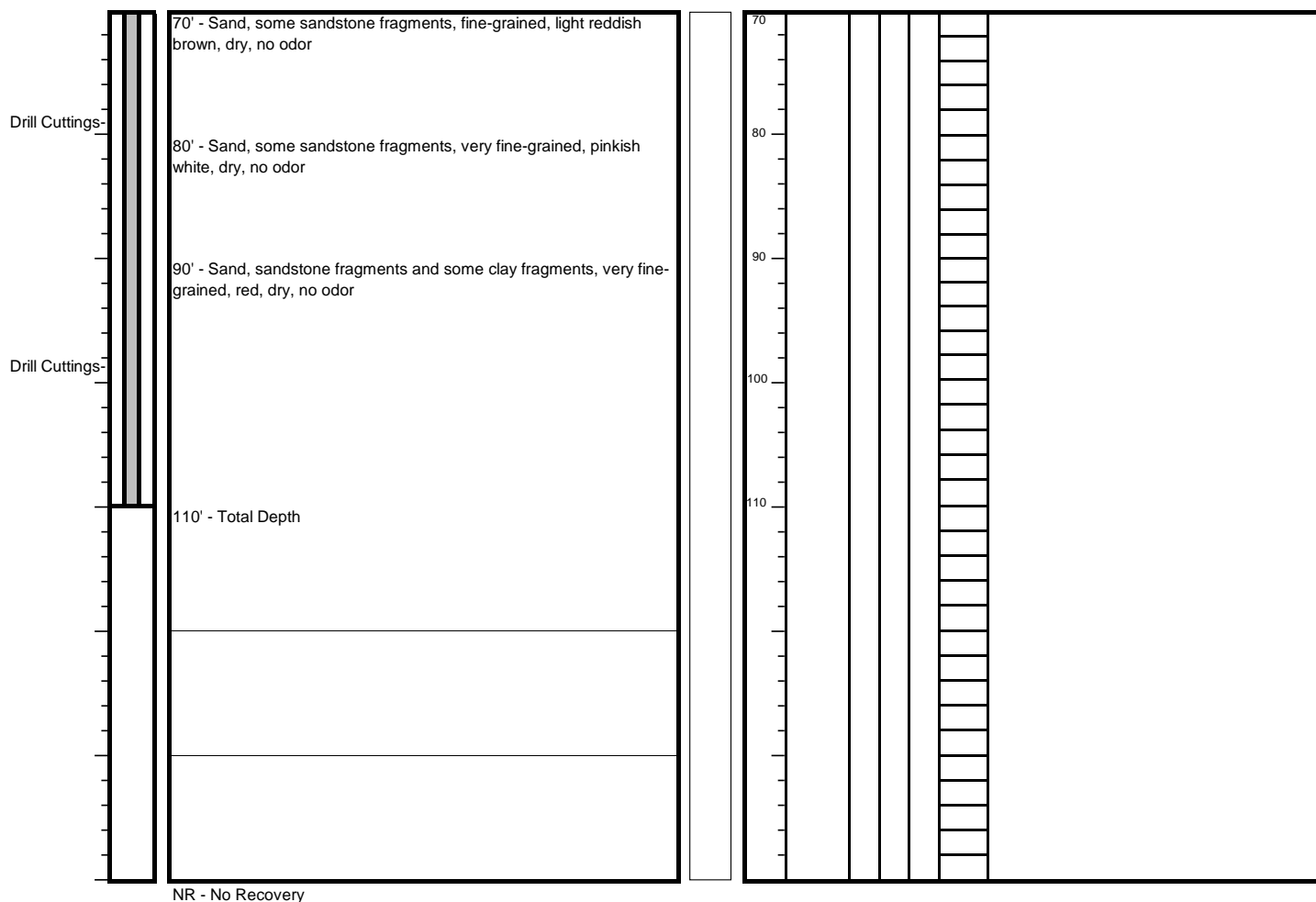
SOIL BORING / WELL LOG

Soil Boring / Well Number: SB-1/C-04691-POD-1

Project #: 03B1417065
 Drawn By: Beaux Jennings
 Approved By: Heather Holthaus

BORING AND SAMPLING NOTES

Soil Boring Detail	SOIL CLASSIFICATION		Stratum Depth	Depth Scale	Sample No.	Sample Interval	% Recovery	Groundwater/Recovery	FID/PID Reading



NR - No Recovery





APPENDIX C

Photographic Documentation

Project Name: Lost Tank 35 State 4 CTB
Entity: Oxy USA Inc
Incident ID: nAPP2234073696



View of impact area during initial investigation activities, facing south.



View of impact area during initial investigation activities, facing southwest.

Project Name: Lost Tank 35 State 4 CTB
Entity: Oxy USA Inc
Incident ID: nAPP2234073696



View of impact area during excavation activities, facing southeast (01/25/2023).



View of impact area during excavation activities, facing southwest (01/25/2023).

Project Name: Lost Tank 35 State 4 CTB
Entity: Oxy USA Inc
Incident ID: nAPP2234073696



View of impact area during excavation activities, facing northeast (11/16/2023).



View of impact area during excavation activities, facing north (11/16/2023).

Project Name: Lost Tank 35 State 4 CTB
Entity: Oxy USA Inc
Incident ID: nAPP2234073696



Date & Time: Thu, Jan 18, 2024 at 12:12:04 MST
Position: 032.428332°N / 103.755769°W (±15.5ft)
Altitude: 3527ft (±11.1ft)
Datum: WGS-84
Azimuth/Bearing: 236° S56W 4196mils True (±10°)
Elevation Angle: -09.5°
Horizon Angle: +00.1°
Zoom: 0.5X

View of impact area during excavation activities, facing southwest (01/18/2024).



View of impact area during excavation activities, facing south (01/30/2024).

Project Name: Lost Tank 35 State 4 CTB
Entity: Oxy USA Inc
Incident ID: nAPP2234073696



View of impact area post backfill activities, facing east (07/23/2025).



View of impact area post backfill activities, facing southwest (07/23/2025).

Project Name: Lost Tank 35 State 4 CTB
Entity: Oxy USA Inc
Incident ID: nAPP2234073696



View of impact area post backfill activities, facing west (07/23/2025).



View of impact area post backfill activities, facing southwest (07/23/2025).



APPENDIX D

Tables

TABLE 1
EXCAVATION FLOOR SOIL SAMPLE ANALYTICAL RESULTS
 Lost Tank 35 State #4 CTB
 Oxy USA Inc.
 Eddy County, New Mexico
 Ensolum Project No. 03B1417065

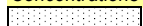
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO+DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (> 100 feet)			10	NE	NE	NE	50	1,000	NE	2,500	20,000
Floor Sample Analytical Results											
FS-1	1/17/2023	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	967	524	1,491	22,800
	12/15/2023	2	NS					NS		1,920	
FS-2	1/17/2023	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	375	136	511	33,600
	12/15/2023	2	NS					NS		624	
FS-3	1/17/2023	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	173	79.3	252	48,400
	12/15/2023	2	NS					NS		560	
FS-4	1/17/2023	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	19.8	<10.0	19.8	59,200
	12/15/2023	2	NS					NS		4,800	
FS-5	1/17/2023	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	59.3	32.8	92.1	41,200
	12/15/2023	2	NS					NS		704	
FS-6	1/17/2023	0.5	<0.050	2.03	3.74	15.5	21.2	10,555	2,400	12,955	19,200
	12/15/2023	2	NS					1,300	534	1,834	NS
	1/18/2024	2	NS					<10.0	<10.0	<10.0	NS
FS-7	1/17/2023	0.5	<0.050	0.804	1.33	11.5	13.7	10,895	2,300	13,195	31,200
	12/15/2023	2	NS					667	258	925	224
FS-8	1/17/2023	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	220	122	342	56,800
	12/15/2023	2	NS					NS		960	
FS-9	1/17/2023	0.5	<0.050	0.506	0.971	4.71	6.19	9,727	2,320	12,047	18,000
	12/15/2023	2	NS					2,520	1,150	3,670	NS
	1/18/2024	2	NS					<10.0	<10.0	<10.0	NS
FS-10	1/17/2023	0.5	<0.050	0.979	2.26	9.85	13.1	9,861	2,120	11,981	16,000
	12/15/2023	2	NS					303	103	406	NS
FS-11	1/17/2023	0.5	<0.050	0.461	1.28	5.63	7.37	5,209	1,300	6,509	32,800
	12/15/2023	2	NS					166	74.5	241	384
FS-12	1/17/2023	0.5	<0.100	3.52	4.31	24.8	32.6	14,480	3,120	17,600	25,200
	12/15/2023	2	NS					2,330	888	3,218	1,760
	1/18/2024	2	NS					<10.0	<10.0	<10.0	NS
FS-13	1/17/2023	1	<0.050	<0.050	<0.050	<0.150	<0.300	557	229	786	35,600
	2/10/2023	1.5	NS					NS		7,730	
FS-14	1/17/2023	1	<0.050	<0.050	<0.050	<0.150	<0.300	2,800	757	3,557	15,600
	2/10/2023	1.5	NS					2,110	526	2,636	NS
	11/16/2023	1.5	NS					195	158	353	NS
FS-15	1/17/2023	1	<0.050	<0.050	<0.050	<0.150	<0.300	2,290	753	3,043	2,960
	2/10/2023	1.5	NS					106	33.5	140	NS
FS-16	1/17/2023	1	<0.050	<0.050	<0.050	0.186	<0.300	2,080	502	2,582	1,520
	2/10/2023	1.5	NS					1,100	250	1,350	NS
	11/16/2023	1.5	NS					677	300	977	NS

TABLE 1
EXCAVATION FLOOR SOIL SAMPLE ANALYTICAL RESULTS

Lost Tank 35 State #4 CTB
Oxy USA Inc.
Eddy County, New Mexico
Ensolum Project No. 03B1417065

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO+DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (> 100 feet)			10	NE	NE	NE	50	1,000	NE	2,500	20,000
FS-17	1/17/2023	1	<0.050	<0.050	<0.050	<0.150	<0.300	2,630	889	3,519	4,400
	2/10/2023	1.5	NS					615	210	825	NS
FS-18	1/17/2023	1	<0.050	<0.050	<0.050	<0.150	<0.300	3,100	861	3,961	880
	2/10/2023	1.5	NS					332	86.9	419	NS
FS-19	1/17/2023	1	<0.050	<0.050	<0.050	<0.150	<0.300	1,220	387	1,607	1,220
	2/10/2023	1.5	NS					839	274	1,113	NS
FS-20	1/17/2023	1	<0.050	<0.050	<0.050	<0.150	<0.300	1,380	403	1,783	2,280
	2/10/2023	1.5	NS					633	205	838	NS
FS-21	1/17/2023	1	<0.050	<0.050	<0.050	<0.150	<0.300	1,210	508	1,718	1,250
	2/10/2023	1.5	NS					253	119	372	NS
FS-22	1/17/2023	1	<0.050	<0.050	<0.050	<0.150	<0.300	1,870	467	2,337	400
	2/10/2023	1.5	NS					1,370	299	1,669	NS
	11/16/2023	1.5	NS					92.0	55.8	148	NS
FS-23	1/17/2023	1	<0.050	<0.050	<0.050	<0.150	<0.300	2,470	692	3,162	1,120
	2/10/2023	1.5	NS					957	285	1,242	NS
FS-24	1/17/2023	1	<0.050	<0.050	<0.050	<0.150	<0.300	2,410	632	3,042	1,760
	2/10/2023	1.5	NS					469	114	583	NS
FS-25	1/17/2023	1	<0.050	<0.050	<0.050	<0.150	<0.300	1,560	406	1,966	832
	2/10/2023	1.5	NS					324	89.7	414	NS
FS-26	1/17/2023	1	<0.050	<0.050	<0.050	<0.150	<0.300	1,150	317	1,467	624
	2/10/2023	1.5	NS					329	113	442	NS
FS-27	1/17/2023	1	<0.050	<0.050	<0.050	<0.150	<0.300	511	132	643	496
FS-28	1/17/2023	1	<0.050	<0.050	<0.050	<0.150	<0.300	184	42.7	227	144
FS-29	1/17/2023	1	<0.050	<0.050	<0.050	<0.150	<0.300	966	251	1,217	304
FS-30	1/17/2023	0.5	<0.050	0.892	2.16	10.6	13.7	7,666	1,460	9,126	176
	2/10/2023	1	NS					2,463	825	3,288	NS
	11/16/2023	1	NS					197	86.5	284	NS

Concentrations in **bold** and yellow exceed the New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release

 Over Excavated and/or Re-Sampled

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

NS: Not Sampled

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

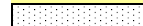
MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon

TABLE 2
EXCAVATION SIDEWALL SOIL SAMPLE ANALYTICAL RESULTS
 Lost Tank 35 State #4 CTB
 Oxy USA Inc.
 Eddy County, New Mexico
 Ensolum Project No. 03B1417065

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)			10	NE	NE	NE	50	NE	NE	NE	100	600
Sidewall Sample Analytical Results												
SW-1	1/18/2024	0 - 2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	109	50.6	160	1,500
	6/14/2024	0 - 2	NS					<10.0	<10.0	<10.0	<10.0	16.0
SW-2	1/18/2024	0 - 2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	317	94.0	411	112
	6/14/2024	0 - 2	NS					<10.0	<10.0	<10.0	<10.0	NS
SW-3	1/18/2024	0 - 1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,480	885	2,365	80.0
	1/30/2024	0 - 1.5	NS					<10.0	<10.0	<10.0	<10.0	NS
SW-4	1/18/2024	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
SW-5	1/18/2024	0 - 1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	3,850	2,050	5,900	112
	1/30/2024	0 - 1	NS					<10.0	28.3	16.2	44.5	NS
SW-6	1/18/2024	0 - 1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	285	211	496	224
	6/14/2024	0 - 1.5	NS					<10.0	<10.0	<10.0	<10.0	NS

Concentrations in **bold** and yellow exceed the New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)

 Over Excavated and/or Re-Sampled

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

NS: Not Sampled

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



TABLE 3
BACKFILL SOIL SAMPLE ANALYTICAL RESULTS
 Mills Ranch Pit
 Oxy USA, Inc.
 Lea County, New Mexico
 Ensolum Project No. NA

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)			10	NE	NE	NE	50	NE	NE	NE	100	600
Composite Background Soil Sample Analytical Result												
Mills Ranch Pit	09/30/2024	NA	<0.050	0.060	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0

bgs: below ground surface

mg/kg: milligrams per kilogram

NA: Not Applicable

NE: Not Established

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX E

Laboratory Data Sheets and Chain-of-Custody Documentation



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

January 18, 2023

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

RE: LOST TANK 35 STATE #4 CTB

Enclosed are the results of analyses for samples received by the laboratory on 01/17/23 14:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 1 0.5' (H230235-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2023	ND	2.06	103	2.00	1.34	
Toluene*	<0.050	0.050	01/18/2023	ND	2.23	111	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/18/2023	ND	2.16	108	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/18/2023	ND	6.64	111	6.00	2.11	
Total BTEX	<0.300	0.300	01/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22800	16.0	01/18/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2023	ND	194	96.9	200	9.63	
DRO >C10-C28*	967	10.0	01/18/2023	ND	181	90.6	200	5.06	QM-07, QR-03
EXT DRO >C28-C36	524	10.0	01/18/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 2 0.5' (H230235-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2023	ND	2.06	103	2.00	1.34	
Toluene*	<0.050	0.050	01/17/2023	ND	2.23	111	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.64	111	6.00	2.11	
Total BTEX	<0.300	0.300	01/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	33600	16.0	01/18/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2023	ND	194	96.9	200	9.63	
DRO >C10-C28*	375	10.0	01/17/2023	ND	181	90.6	200	5.06	
EXT DRO >C28-C36	136	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 61.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 3 0.5' (H230235-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/17/2023	ND	2.06	103	2.00	1.34		
Toluene*	<0.050	0.050	01/17/2023	ND	2.23	111	2.00	2.06		
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	1.91		
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.64	111	6.00	2.11		
Total BTEx	<0.300	0.300	01/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48400	16.0	01/18/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2023	ND	194	96.9	200	9.63	
DRO >C10-C28*	173	10.0	01/18/2023	ND	181	90.6	200	5.06	
EXT DRO >C28-C36	79.3	10.0	01/18/2023	ND					

Surrogate: 1-Chlorooctane 74.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 4 0.5' (H230235-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/17/2023	ND	2.06	103	2.00	1.34		
Toluene*	<0.050	0.050	01/17/2023	ND	2.23	111	2.00	2.06		
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	1.91		
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.64	111	6.00	2.11		
Total BTEx	<0.300	0.300	01/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	59200	16.0	01/18/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2023	ND	194	96.9	200	9.63	
DRO >C10-C28*	19.8	10.0	01/17/2023	ND	181	90.6	200	5.06	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 5 0.5' (H230235-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/17/2023	ND	2.06	103	2.00	1.34		
Toluene*	<0.050	0.050	01/17/2023	ND	2.23	111	2.00	2.06		
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	1.91		
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.64	111	6.00	2.11		
Total BTEx	<0.300	0.300	01/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	41200	16.0	01/18/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2023	ND	194	96.9	200	9.63	
DRO >C10-C28*	59.3	10.0	01/17/2023	ND	181	90.6	200	5.06	
EXT DRO >C28-C36	32.8	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 61.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 6 0.5' (H230235-06)

BTX 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2023	ND	2.06	103	2.00	1.34	GC-NC
Toluene*	2.03	0.050	01/18/2023	ND	2.23	111	2.00	2.06	
Ethylbenzene*	3.74	0.050	01/18/2023	ND	2.16	108	2.00	1.91	
Total Xylenes*	15.5	0.150	01/18/2023	ND	6.64	111	6.00	2.11	
Total BTX	21.2	0.300	01/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 367 % 71.5-134

Chloride, SM4500CI-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19200	16.0	01/18/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	815	100	01/17/2023	ND	194	96.9	200	9.63	
DRO >C10-C28*	9740	100	01/17/2023	ND	181	90.6	200	5.06	
EXT DRO >C28-C36	2400	100	01/17/2023	ND					

Surrogate: 1-Chlorooctane 210 % 48.2-134

Surrogate: 1-Chlorooctadecane 552 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 7 0.5' (H230235-07)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2023	ND	2.06	103	2.00	1.34	GC-NC
Toluene*	0.804	0.050	01/17/2023	ND	2.23	111	2.00	2.06	
Ethylbenzene*	1.33	0.050	01/17/2023	ND	2.16	108	2.00	1.91	
Total Xylenes*	11.5	0.150	01/17/2023	ND	6.64	111	6.00	2.11	
Total BTEX	13.7	0.300	01/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 351 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	31200	16.0	01/18/2023	ND	432	108	400	0.00	QM-07, QR-03

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	595	100	01/17/2023	ND	194	96.9	200	9.63	
DRO >C10-C28*	10300	100	01/17/2023	ND	181	90.6	200	5.06	
EXT DRO >C28-C36	2300	100	01/17/2023	ND					

Surrogate: 1-Chlorooctane 183 % 48.2-134

Surrogate: 1-Chlorooctadecane 583 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 8 0.5' (H230235-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/17/2023	ND	2.06	103	2.00	1.34		
Toluene*	<0.050	0.050	01/17/2023	ND	2.23	111	2.00	2.06		
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	1.91		
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.64	111	6.00	2.11		
Total BTEx	<0.300	0.300	01/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	56800	16.0	01/18/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2023	ND	194	96.9	200	9.63	
DRO >C10-C28*	220	10.0	01/18/2023	ND	181	90.6	200	5.06	
EXT DRO >C28-C36	122	10.0	01/18/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 9 0.5' (H230235-09)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2023	ND	2.06	103	2.00	1.34	
Toluene*	0.506	0.050	01/18/2023	ND	2.23	111	2.00	2.06	
Ethylbenzene*	0.971	0.050	01/18/2023	ND	2.16	108	2.00	1.91	
Total Xylenes*	4.71	0.150	01/18/2023	ND	6.64	111	6.00	2.11	
Total BTEX	6.19	0.300	01/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 225 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18000	16.0	01/18/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	257	100	01/17/2023	ND	194	96.9	200	9.63	
DRO >C10-C28*	9470	100	01/17/2023	ND	181	90.6	200	5.06	
EXT DRO >C28-C36	2320	100	01/17/2023	ND					

Surrogate: 1-Chlorooctane 142 % 48.2-134

Surrogate: 1-Chlorooctadecane 553 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 10 0.5' (H230235-10)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2023	ND	2.06	103	2.00	1.34	
Toluene*	0.979	0.050	01/18/2023	ND	2.23	111	2.00	2.06	
Ethylbenzene*	2.26	0.050	01/18/2023	ND	2.16	108	2.00	1.91	
Total Xylenes*	9.85	0.150	01/18/2023	ND	6.64	111	6.00	2.11	
Total BTEX	13.1	0.300	01/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 296 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16000	16.0	01/18/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	591	50.0	01/17/2023	ND	194	96.9	200	9.63	
DRO >C10-C28*	9270	50.0	01/17/2023	ND	181	90.6	200	5.06	
EXT DRO >C28-C36	2120	50.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 184 % 48.2-134

Surrogate: 1-Chlorooctadecane 510 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 11 0.5' (H230235-11)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2023	ND	2.06	103	2.00	1.34	
Toluene*	0.461	0.050	01/18/2023	ND	2.23	111	2.00	2.06	
Ethylbenzene*	1.28	0.050	01/18/2023	ND	2.16	108	2.00	1.91	
Total Xylenes*	5.63	0.150	01/18/2023	ND	6.64	111	6.00	2.11	
Total BTEX	7.37	0.300	01/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 258 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32800	16.0	01/18/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	219	100	01/17/2023	ND	194	96.9	200	9.63	
DRO >C10-C28*	4990	100	01/17/2023	ND	181	90.6	200	5.06	
EXT DRO >C28-C36	1300	100	01/17/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 326 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 12 0.5' (H230235-12)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/18/2023	ND	2.06	103	2.00	1.34	GC-NC
Toluene*	3.52	0.100	01/18/2023	ND	2.23	111	2.00	2.06	
Ethylbenzene*	4.31	0.100	01/18/2023	ND	2.16	108	2.00	1.91	
Total Xylenes*	24.8	0.300	01/18/2023	ND	6.64	111	6.00	2.11	
Total BTEX	32.6	0.600	01/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 320 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	25200	16.0	01/18/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1180	100	01/17/2023	ND	194	96.9	200	9.63	
DRO >C10-C28*	13300	100	01/17/2023	ND	181	90.6	200	5.06	
EXT DRO >C28-C36	3120	100	01/17/2023	ND					

Surrogate: 1-Chlorooctane 260 % 48.2-134

Surrogate: 1-Chlorooctadecane 664 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 13 1' (H230235-13)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2023	ND	2.06	103	2.00	1.34	
Toluene*	<0.050	0.050	01/17/2023	ND	2.23	111	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.64	111	6.00	2.11	
Total BTX	<0.300	0.300	01/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	35600	16.0	01/18/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2023	ND	194	96.9	200	9.63	
DRO >C10-C28*	557	10.0	01/18/2023	ND	181	90.6	200	5.06	
EXT DRO >C28-C36	229	10.0	01/18/2023	ND					

Surrogate: 1-Chlorooctane 51.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 14 1' (H230235-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/17/2023	ND	2.06	103	2.00	1.34		
Toluene*	<0.050	0.050	01/17/2023	ND	2.23	111	2.00	2.06		
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	1.91		
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.64	111	6.00	2.11		
Total BTEX	<0.300	0.300	01/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15600	16.0	01/18/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	01/17/2023	ND	194	96.9	200	9.63	
DRO >C10-C28*	2800	50.0	01/17/2023	ND	181	90.6	200	5.06	
EXT DRO >C28-C36	757	50.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 72.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 224 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 15 1' (H230235-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2023	ND	2.06	103	2.00	1.34	
Toluene*	<0.050	0.050	01/17/2023	ND	2.23	111	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.64	111	6.00	2.11	
Total BTEX	<0.300	0.300	01/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	01/18/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	01/18/2023	ND	194	96.9	200	9.63	
DRO >C10-C28*	2290	50.0	01/18/2023	ND	181	90.6	200	5.06	
EXT DRO >C28-C36	753	50.0	01/18/2023	ND					

Surrogate: 1-Chlorooctane 67.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 187 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 16 1' (H230235-16)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2023	ND	2.06	103	2.00	1.34	
Toluene*	<0.050	0.050	01/17/2023	ND	2.23	111	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	1.91	
Total Xylenes*	0.186	0.150	01/17/2023	ND	6.64	111	6.00	2.11	
Total BTEX	<0.300	0.300	01/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 144 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	01/18/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	01/18/2023	ND	194	96.9	200	9.63	
DRO >C10-C28*	2080	50.0	01/18/2023	ND	181	90.6	200	5.06	
EXT DRO >C28-C36	502	50.0	01/18/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 187 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 17 1' (H230235-17)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2023	ND	2.06	103	2.00	1.34	
Toluene*	<0.050	0.050	01/17/2023	ND	2.23	111	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.64	111	6.00	2.11	
Total BTEX	<0.300	0.300	01/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	01/18/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	01/18/2023	ND	194	96.9	200	9.63	
DRO >C10-C28*	2630	50.0	01/18/2023	ND	181	90.6	200	5.06	
EXT DRO >C28-C36	889	50.0	01/18/2023	ND					

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 213 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 18 1' (H230235-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2023	ND	2.06	103	2.00	1.34	
Toluene*	<0.050	0.050	01/17/2023	ND	2.23	111	2.00	2.06	
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	1.91	
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.64	111	6.00	2.11	
Total BTEX	<0.300	0.300	01/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	01/18/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	01/18/2023	ND	194	96.9	200	9.63	
DRO >C10-C28*	3100	50.0	01/18/2023	ND	181	90.6	200	5.06	
EXT DRO >C28-C36	861	50.0	01/18/2023	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 229 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 19 1' (H230235-19)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2023	ND	2.12	106	2.00	0.111	
Toluene*	<0.050	0.050	01/17/2023	ND	2.20	110	2.00	2.68	
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	2.42	
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.52	109	6.00	2.49	
Total BTEX	<0.300	0.300	01/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	01/18/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	01/18/2023	ND	194	96.9	200	9.63	
DRO >C10-C28*	1220	50.0	01/18/2023	ND	181	90.6	200	5.06	
EXT DRO >C28-C36	387	50.0	01/18/2023	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 20 1' (H230235-20)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/17/2023	ND	2.12	106	2.00	0.111		
Toluene*	<0.050	0.050	01/17/2023	ND	2.20	110	2.00	2.68		
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	2.42		
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.52	109	6.00	2.49		
Total BTX	<0.300	0.300	01/17/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	01/18/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	01/18/2023	ND	194	96.9	200	9.63	
DRO >C10-C28*	1380	50.0	01/18/2023	ND	181	90.6	200	5.06	
EXT DRO >C28-C36	403	50.0	01/18/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 152 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 21 1' (H230235-21)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/17/2023	ND	2.12	106	2.00	0.111		
Toluene*	<0.050	0.050	01/17/2023	ND	2.20	110	2.00	2.68		
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	2.42		
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.52	109	6.00	2.49		
Total BTX	<0.300	0.300	01/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1250	16.0	01/18/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2023	ND	174	87.0	200	0.391	
DRO >C10-C28*	1210	10.0	01/18/2023	ND	158	79.2	200	0.579	QM-07
EXT DRO >C28-C36	508	10.0	01/18/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 208 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 22 1' (H230235-22)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2023	ND	2.12	106	2.00	0.111	
Toluene*	<0.050	0.050	01/17/2023	ND	2.20	110	2.00	2.68	
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	2.42	
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.52	109	6.00	2.49	
Total BTX	<0.300	0.300	01/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/18/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	01/17/2023	ND	174	87.0	200	0.391	
DRO >C10-C28*	1870	50.0	01/17/2023	ND	158	79.2	200	0.579	
EXT DRO >C28-C36	467	50.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 23 1' (H230235-23)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2023	ND	2.12	106	2.00	0.111	
Toluene*	<0.050	0.050	01/17/2023	ND	2.20	110	2.00	2.68	
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	2.42	
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.52	109	6.00	2.49	
Total BTEX	<0.300	0.300	01/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	01/18/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	01/17/2023	ND	174	87.0	200	0.391	
DRO >C10-C28*	2470	50.0	01/17/2023	ND	158	79.2	200	0.579	
EXT DRO >C28-C36	692	50.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
BEAUX JENNINGS
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received: 01/17/2023
Reported: 01/18/2023
Project Name: LOST TANK 35 STATE #4 CTB
Project Number: 03B1417065
Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS - 24 1' (H230235-24)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2023	ND	2.12	106	2.00	0.111	
Toluene*	<0.050	0.050	01/17/2023	ND	2.20	110	2.00	2.68	
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	2.42	
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.52	109	6.00	2.49	
Total BTX	<0.300	0.300	01/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	01/18/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	01/17/2023	ND	174	87.0	200	0.391	
DRO >C10-C28*	2410	50.0	01/17/2023	ND	158	79.2	200	0.579	
EXT DRO >C28-C36	632	50.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 25 1' (H230235-25)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/17/2023	ND	2.12	106	2.00	0.111		
Toluene*	<0.050	0.050	01/17/2023	ND	2.20	110	2.00	2.68		
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	2.42		
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.52	109	6.00	2.49		
Total BTEX	<0.300	0.300	01/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	01/18/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	01/17/2023	ND	174	87.0	200	0.391	
DRO >C10-C28*	1560	50.0	01/17/2023	ND	158	79.2	200	0.579	
EXT DRO >C28-C36	406	50.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 70.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 26 1' (H230235-26)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/17/2023	ND	2.12	106	2.00	0.111		
Toluene*	<0.050	0.050	01/17/2023	ND	2.20	110	2.00	2.68		
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	2.42		
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.52	109	6.00	2.49		
Total BTX	<0.300	0.300	01/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	01/18/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	01/17/2023	ND	174	87.0	200	0.391	
DRO >C10-C28*	1150	50.0	01/17/2023	ND	158	79.2	200	0.579	
EXT DRO >C28-C36	317	50.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
BEAUX JENNINGS
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received: 01/17/2023
Reported: 01/18/2023
Project Name: LOST TANK 35 STATE #4 CTB
Project Number: 03B1417065
Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS - 27 1' (H230235-27)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2023	ND	2.12	106	2.00	0.111	
Toluene*	<0.050	0.050	01/17/2023	ND	2.20	110	2.00	2.68	
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	2.42	
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.52	109	6.00	2.49	
Total BTEX	<0.300	0.300	01/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	01/18/2023	ND	448	112	400	0.00	QR-03

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2023	ND	174	87.0	200	0.391	
DRO >C10-C28*	511	10.0	01/17/2023	ND	158	79.2	200	0.579	
EXT DRO >C28-C36	132	10.0	01/17/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 28 1' (H230235-28)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2023	ND	2.12	106	2.00	0.111	
Toluene*	<0.050	0.050	01/17/2023	ND	2.20	110	2.00	2.68	
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	2.42	
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.52	109	6.00	2.49	
Total BTX	<0.300	0.300	01/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	01/18/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2023	ND	174	87.0	200	0.391	
DRO >C10-C28*	184	10.0	01/18/2023	ND	158	79.2	200	0.579	
EXT DRO >C28-C36	42.7	10.0	01/18/2023	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 29 1' (H230235-29)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/17/2023	ND	2.12	106	2.00	0.111		
Toluene*	<0.050	0.050	01/17/2023	ND	2.20	110	2.00	2.68		
Ethylbenzene*	<0.050	0.050	01/17/2023	ND	2.16	108	2.00	2.42		
Total Xylenes*	<0.150	0.150	01/17/2023	ND	6.52	109	6.00	2.49		
Total BTX	<0.300	0.300	01/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	01/18/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2023	ND	174	87.0	200	0.391	
DRO >C10-C28*	966	10.0	01/18/2023	ND	158	79.2	200	0.579	
EXT DRO >C28-C36	251	10.0	01/18/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/17/2023
 Reported: 01/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 30 0.5' (H230235-30)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2023	ND	2.12	106	2.00	0.111	
Toluene*	0.892	0.050	01/18/2023	ND	2.20	110	2.00	2.68	
Ethylbenzene*	2.16	0.050	01/18/2023	ND	2.16	108	2.00	2.42	
Total Xylenes*	10.6	0.150	01/18/2023	ND	6.52	109	6.00	2.49	
Total BTEX	13.7	0.300	01/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	01/18/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	396	50.0	01/18/2023	ND	174	87.0	200	0.391	
DRO >C10-C28*	7270	50.0	01/18/2023	ND	158	79.2	200	0.579	
EXT DRO >C28-C36	1460	50.0	01/18/2023	ND					

Surrogate: 1-Chlorooctane 198 % 48.2-134

Surrogate: 1-Chlorooctadecane 236 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

82
1-17-23

Company Name: Ensolum, LLC Project Manager: Beaux Jennings Address: 601 N Marientfield Street, Suite 400 City: Midland State: TX Zip: 79701 Phone #: 210-219-8858 Fax #: Project #: 03B1417065 Project Owner: Project Name: COST TANKS 35 STATE #4 CTB Project Location: EDDY COUNTY, NM Sampler Name: KB 4 SAM				BILL TO P.O. #: Company: Oxy USA Inc. Attn: Wade Dittich Address: City: State: Zip: Phone #: 575-390-2828 Fax #:				ANALYSIS REQUEST									
Lab I.D. 1030035		Sample I.D. FS-1 FS-2 FS-3 FS-4 FS-5 FS-6 FS-7 FS-8 FS-9 FS-10		Depth (feet) 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5		(G)RAB OR (C)OMP. C C C C C C C C C		# CONTAINERS 1 1 1 1 1 1 1 1 1		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		PRESERV ACID/BASE: ICE / COOL OTHER:		SAMPLING DATE TIME		BTEX 0821B TPH 0810 TX 8015 CHLORIDES 4500	
1030035		FS-1		0.5		C		1		GROUNDWATER		DATE 1/13/23		TIME 1350		X	
		FS-2		0.5		C		1		GROUNDWATER				1351		X	
		FS-3		0.5		C		1		GROUNDWATER				1352		X	
		FS-4		0.5		C		1		GROUNDWATER				1353		X	
		FS-5		0.5		C		1		GROUNDWATER				1354		X	
		FS-6		0.5		C		1		GROUNDWATER				1355		X	
		FS-7		0.5		C		1		GROUNDWATER				1356		X	
		FS-8		0.5		C		1		GROUNDWATER				1357		X	
		FS-9		0.5		C		1		GROUNDWATER				1358		X	
		FS-10		0.5		C		1		GROUNDWATER				1359		X	

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Relinquished By: *[Signature]* Date: 1-17-23 Time: 1454
 Received By: *[Signature]* Date: 1-17-23 Time: 1454
 Relinquished By: *[Signature]* Date: 1-17-23 Time: 1454
 Received By: *[Signature]* Date: 1-17-23 Time: 1454

Delivered By: (Circle One) ☒ Observed Temp. °C 4.1°C ☐ Sample Condition Cool Intact ☒ Yes ☐ No
 Sampler - UPS - Bus - Other: ☒ Corrected Temp. °C 3.5°C ☐ Yes ☒ No

Turnaround Time: Standard ☒ Rush ☐ Bacteria (only) Sample Condition Cool Intact ☒ Yes ☐ No
 Thermometer ID #113 ☒ Corrected Temp. °C -0.6°C ☐ Yes ☒ No

REMARKS:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
 All Results are emailed. Please provide Email address:

FORM-000 (R-3-2-10/07/21)

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC		BILL TO		ANALYSIS REQUEST	
Project Manager: Beaux Jennings		P.O. #:			
Address: 601 N Marientfeld Street, Suite 400		Company: Oxy USA Inc.			
City: Midland		Attn: Wade Dittrich			
State: TX Zip: 79701		Address:			
Phone #: 210-219-8858 Fax #:		City:			
Project #: 03B1417065 Project Owner:		State:			
Project Name: 1057 TANK 35 STATE #4 CTB		Zip:			
Project Location: EDDY COUNTY, NM		Phone #: 575-390-2828			
Sampler Name: HB + BAH		Fax #:			
FOR LAB USE ONLY		PRESERV		SAMPLING	
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	
			GROUNDWATER		
			WASTEWATER		
			SOIL		
			OIL		
			SLUDGE		
			OTHER :		
			ACID/BASE:		
			ICE / COOL		
			OTHER :		
			DATE	TIME	
1130835	FS-11	0.3	11/17/23	1400	
12	FS-12	0.5		1401	
13	FS-13	1		1402	
14	FS-14	1		1403	
15	FS-15	1		1404	
16	FS-16	1		1405	
17	FS-17	1		1406	
18	FS-18	1		1407	
19	FS-19	1		1408	
20	FS-20	1		1409	
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and clients' exclusive remedy for any claim arising under this contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>					
Relinquished By: [Signature]		Date: 11/23		Received By: [Signature]	
Time: 1454		Date: 11/23		Received By: [Signature]	
Relinquished By: [Signature]		Date: 11/23		Received By: [Signature]	
Time: 1454		Date: 11/23		Received By: [Signature]	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact	
		4.1		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
		3.5		Yes <input type="checkbox"/> No <input type="checkbox"/>	
				Checked BY: [Signature]	
				Turnaround Time:	
				Thermometer ID #113	
				Standard <input checked="" type="checkbox"/> Bacteria (only) Sample Condition	
				Cool Intact <input checked="" type="checkbox"/> Observed Temp. °C	
				Corrected Temp. °C	
				Remarks:	
				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:	
				All Results are emailed. Please provide Email address:	

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC Project Manager: Beaux Jennings Address: 601 N Marlenfeld Street, Suite 400 City: Midland State: TX Zip: 79701 Phone #: 210-219-8858 Fax #:				P.O. #: Company: Oxy USA Inc. Attn: Wade Dittrich Address: City: State: Zip: Phone #: 575-390-2828 Fax #:			
Project #: 03BIL47065 Project Owner: Project Name: LOST TANKS 35 STATE #4 CTB Project Location: EDDY COUNTY, NM Sampler Name: HB + SAM				BILL TO ANALYSIS REQUEST			

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	BTEX 08213	TPH 0810 TX 8015 1.173	CHLORIDES 4900	NEC	1/17/23	1/18/23
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :										
1130335	FS-21	1		1	X								1/17/23	1410	X	X	X			
21	FS-22	1		1	X									1411	X	X	X			
22	FS-23	1		1	X									1412	X	X	X			
23	FS-24	1		1	X									1413	X	X	X			
24	FS-25	1		1	X									1414	X	X	X			
25	FS-26	1		1	X									1415	X	X	X			
26	FS-27	1		1	X									1416	X	X	X			
27	FS-28	1		1	X									1417	X	X	X			
28	FS-29	1		1	X									1418	X	X	X			
29	FS-30	0.5		1	X									1419	X	X	X			

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Relinquished By: [Signature] Date: 1/17/23 Received By: [Signature] Date: 1/18/23 Relinquished By: [Signature] Date: 1/18/23 Received By: [Signature] Date: 1/18/23				REMARKS:			
Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C				Thermometer ID #113 Correction Factor -0.6°C Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C			



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

February 16, 2023

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

RE: LOST TANK 35 STATE #4 CTB

Enclosed are the results of analyses for samples received by the laboratory on 02/10/23 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 02/10/2023
 Reported: 02/16/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 02/10/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FS - 13 1.5' (H230642-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7730	16.0	02/15/2023	ND	400	100	400	3.92	

Sample ID: FS - 14 1.5' (H230642-02)

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<50.0	50.0	02/15/2023	ND	204	102	200	2.28		
DRO >C10-C28*	2110	50.0	02/15/2023	ND	190	95.2	200	1.72		
EXT DRO >C28-C36	526	50.0	02/15/2023	ND						

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 154 % 49.1-148

Sample ID: FS - 15 1.5' (H230642-03)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	204	102	200	2.28	
DRO >C10-C28*	106	10.0	02/15/2023	ND	190	95.2	200	1.72	
EXT DRO >C28-C36	33.5	10.0	02/15/2023	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 02/10/2023
 Reported: 02/16/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 02/10/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FS - 16 1.5' (H230642-04)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	02/15/2023	ND	204	102	200	2.28	
DRO >C10-C28*	1100	50.0	02/15/2023	ND	190	95.2	200	1.72	
EXT DRO >C28-C36	250	50.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	128 %	48.2-134							
Surrogate: 1-Chlorooctadecane	148 %	49.1-148							

Sample ID: FS - 17 1.5' (H230642-05)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	204	102	200	2.28	
DRO >C10-C28*	615	10.0	02/16/2023	ND	190	95.2	200	1.72	
EXT DRO >C28-C36	210	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	106 %	48.2-134							
Surrogate: 1-Chlorooctadecane	112 %	49.1-148							

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 02/10/2023
 Reported: 02/16/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 02/10/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FS - 18 1.5' (H230642-06)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	204	102	200	2.28	
DRO >C10-C28*	332	10.0	02/15/2023	ND	190	95.2	200	1.72	
EXT DRO >C28-C36	86.9	10.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	102 %	48.2-134							
Surrogate: 1-Chlorooctadecane	106 %	49.1-148							

Sample ID: FS - 19 1.5' (H230642-07)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	02/15/2023	ND	204	102	200	2.28	
DRO >C10-C28*	839	50.0	02/15/2023	ND	190	95.2	200	1.72	
EXT DRO >C28-C36	274	50.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	88.7 %	48.2-134							
Surrogate: 1-Chlorooctadecane	102 %	49.1-148							

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 02/10/2023
 Reported: 02/16/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 02/10/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FS - 20 1.5' (H230642-08)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	02/15/2023	ND	204	102	200	2.28	
DRO >C10-C28*	633	50.0	02/15/2023	ND	190	95.2	200	1.72	
EXT DRO >C28-C36	205	50.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	107 %	48.2-134							
Surrogate: 1-Chlorooctadecane	136 %	49.1-148							

Sample ID: FS - 21 1.5' (H230642-09)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	204	102	200	2.28	
DRO >C10-C28*	253	10.0	02/16/2023	ND	190	95.2	200	1.72	
EXT DRO >C28-C36	119	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	105 %	48.2-134							
Surrogate: 1-Chlorooctadecane	101 %	49.1-148							

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 02/10/2023
 Reported: 02/16/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 02/10/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FS - 22 1.5' (H230642-10)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	02/15/2023	ND	204	102	200	2.28	
DRO >C10-C28*	1370	50.0	02/15/2023	ND	190	95.2	200	1.72	
EXT DRO >C28-C36	299	50.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	112 %	48.2-134							
Surrogate: 1-Chlorooctadecane	132 %	49.1-148							

Sample ID: FS - 23 1.5' (H230642-11)

TPH 8015M	mg/kg	Analyzed By: MS								S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<50.0	50.0	02/15/2023	ND	204	102	200	2.28		
DRO >C10-C28*	957	50.0	02/15/2023	ND	190	95.2	200	1.72		
EXT DRO >C28-C36	285	50.0	02/15/2023	ND						
Surrogate: 1-Chlorooctane	112 %	48.2-134								
Surrogate: 1-Chlorooctadecane	151 %	49.1-148								

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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 02/10/2023
 Reported: 02/16/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 02/10/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FS - 24 1.5' (H230642-12)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	204	102	200	2.28	
DRO >C10-C28*	469	10.0	02/15/2023	ND	190	95.2	200	1.72	
EXT DRO >C28-C36	114	10.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	102 %	48.2-134							
Surrogate: 1-Chlorooctadecane	115 %	49.1-148							

Sample ID: FS - 25 1.5' (H230642-13)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	204	102	200	2.28	
DRO >C10-C28*	324	10.0	02/15/2023	ND	190	95.2	200	1.72	
EXT DRO >C28-C36	89.7	10.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	104 %	48.2-134							
Surrogate: 1-Chlorooctadecane	114 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 02/10/2023
 Reported: 02/16/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 02/10/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FS - 26 1.5' (H230642-14)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	203	102	200	3.05	
DRO >C10-C28*	329	10.0	02/15/2023	ND	189	94.3	200	2.82	QM-07
EXT DRO >C28-C36	113	10.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	99.1 %	48.2-134							
Surrogate: 1-Chlorooctadecane	120 %	49.1-148							

Sample ID: FS - 30 1.0' (H230642-15)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	13.2	10.0	02/15/2023	ND	203	102	200	3.05	
DRO >C10-C28*	2450	10.0	02/15/2023	ND	189	94.3	200	2.82	
EXT DRO >C28-C36	825	10.0	02/15/2023	ND					
Surrogate: 1-Chlorooctane	99.7 %	48.2-134							
Surrogate: 1-Chlorooctadecane	145 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC		BILL TO		ANALYSIS REQUEST						
Project Manager: Beaux Jennings		P.O. #:								
Address: 601 N. Marientfeld St. STE 400		Company: Oxy USA, Inc.								
City: Midland		Attn: Wade Dittich								
Phone #: 210-219-8858		Address:								
Project #: 0381417065		City:								
Project Name: Loss Tank 35 Street #4 CTB		State:								
Project Location: Eddy Co NM		Zip:								
Sample Name: Shore Diller		Phone #: 575-390-2828								
FOR LAB USE ONLY		Fax #:								
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	REMARKS
H230642	F-5-13	1.5	C	1				2-10-23	1306	TPH 8015m
1	F-5-14	1.5	C	1				2-10-23	1308	Chlorides 4500
2	F-5-15	1.5	C	1				2-10-23	1310	
3	F-5-16	1.5	C	1				2-10-23	1311	
4	F-5-17	1.5	C	1				2-10-23	1313	
5	F-5-18	1.5	C	1				2-10-23	1315	
6	F-5-19	1.5	C	1				2-10-23	1316	
7	F-5-20	1.5	C	1				2-10-23	1318	
8	F-5-21	1.5	C	1				2-10-23	1319	
9	F-5-22	1.5	C	1				2-10-23	1320	
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising under this contract or for the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>										
Relinquished By:		Date: 2-10-23		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:		All Results are emailed. Please provide Email address:		
Relinquished By:		Time: 1400		Received By:		B Jennings@ensolum.com				
Date:		Time:		Received By:		REMARKS:				
Delivered By: (Circle One)		Observed Temp.: °C		Sample Condition		CHECKED BY:		Turnaround Time:		
Sampler - UPS - Bus - Other:		Corrected Temp.: °C		Cool Intact		(Initials)		Thermometer ID #13		
		9.5		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Y.E.		Standard		
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Rush		
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Bacteria (only)		
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Sample Condition		
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Observed Temp.: °C		
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Corrected Temp.: °C		





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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

November 21, 2023

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

RE: LOST TANK 35 STATE #4 CTB

Enclosed are the results of analyses for samples received by the laboratory on 11/16/23 15:57.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

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



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 11/16/2023
 Reported: 11/21/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 11/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FS 14 1.5 (H236288-01)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2023	ND	193	96.7	200	2.00	
DRO >C10-C28*	195	10.0	11/18/2023	ND	181	90.5	200	0.0381	
EXT DRO >C28-C36	158	10.0	11/18/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

Sample ID: FS 16 1.5 (H236288-02)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2023	ND	193	96.7	200	2.00	
DRO >C10-C28*	677	10.0	11/18/2023	ND	181	90.5	200	0.0381	
EXT DRO >C28-C36	300	10.0	11/18/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 11/16/2023
 Reported: 11/21/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 11/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FS 22 1.5 (H236288-03)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2023	ND	193	96.7	200	2.00	
DRO >C10-C28*	92.0	10.0	11/18/2023	ND	181	90.5	200	0.0381	
EXT DRO >C28-C36	55.8	10.0	11/18/2023	ND					
Surrogate: 1-Chlorooctane	89.2 %	48.2-134							
Surrogate: 1-Chlorooctadecane	99.4 %	49.1-148							

Sample ID: FS 30 1 (H236288-04)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	189	94.6	200	1.32	
DRO >C10-C28*	197	10.0	11/17/2023	ND	181	90.6	200	0.629	
EXT DRO >C28-C36	86.5	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	79.1 %	48.2-134							
Surrogate: 1-Chlorooctadecane	89.6 %	49.1-148							

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



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

December 18, 2023

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

RE: LOST TANK 35 STATE #4 CTB

Enclosed are the results of analyses for samples received by the laboratory on 12/15/23 13:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/15/2023
 Reported: 12/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 12/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FS - 1 2' (H236695-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	12/18/2023	ND	416	104	400	6.74		

Sample ID: FS - 2 2' (H236695-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	12/18/2023	ND	400	100	400	7.69	QM-07	

Sample ID: FS - 3 2' (H236695-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	12/18/2023	ND	400	100	400	7.69		

Sample ID: FS - 4 2' (H236695-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	12/18/2023	ND	400	100	400	7.69	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/15/2023
 Reported: 12/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 12/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FS - 5 2' (H236695-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	12/18/2023	ND	400	100	400	7.69		

Sample ID: FS - 6 2' (H236695-06)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	12/16/2023	ND	213	107	200	0.408	
DRO >C10-C28*	1300	50.0	12/16/2023	ND	222	111	200	1.55	QM-07
EXT DRO >C28-C36	534	50.0	12/16/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/15/2023
 Reported: 12/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 12/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FS - 7 1' (H236695-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	12/18/2023	ND	400	100	400	7.69		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<50.0	50.0	12/16/2023	ND	213	107	200	0.408		
DRO >C10-C28*	667	50.0	12/16/2023	ND	222	111	200	1.55		
EXT DRO >C28-C36	258	50.0	12/16/2023	ND						
Surrogate: 1-Chlorooctane	78.5 %	48.2-134								
Surrogate: 1-Chlorooctadecane	96.9 %	49.1-148								

Sample ID: FS - 8 2' (H236695-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	12/18/2023	ND	400	100	400	7.69		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/15/2023
 Reported: 12/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 12/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FS - 9 2' (H236695-09)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	12/16/2023	ND	213	107	200	0.408	
DRO >C10-C28*	2520	50.0	12/16/2023	ND	222	111	200	1.55	
EXT DRO >C28-C36	1150	50.0	12/16/2023	ND					
Surrogate: 1-Chlorooctane	102 %	48.2-134							
Surrogate: 1-Chlorooctadecane	144 %	49.1-148							

Sample ID: FS - 10 2' (H236695-10)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2023	ND	213	107	200	0.408	
DRO >C10-C28*	303	10.0	12/15/2023	ND	222	111	200	1.55	
EXT DRO >C28-C36	103	10.0	12/15/2023	ND					
Surrogate: 1-Chlorooctane	107 %	48.2-134							
Surrogate: 1-Chlorooctadecane	133 %	49.1-148							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 12/15/2023
 Reported: 12/18/2023
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 12/15/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: FS - 11 2' (H236695-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	12/18/2023	ND	400	100	400	7.69		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/15/2023	ND	213	107	200	0.408		
DRO >C10-C28*	166	10.0	12/15/2023	ND	222	111	200	1.55		
EXT DRO >C28-C36	74.5	10.0	12/15/2023	ND						
Surrogate: 1-Chlorooctane	92.4 %	48.2-134								
Surrogate: 1-Chlorooctadecane	112 %	49.1-148								

Sample ID: FS - 12 2' (H236695-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	12/18/2023	ND	400	100	400	7.69	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	12/16/2023	ND	213	107	200	0.408	
DRO >C10-C28*	2330	50.0	12/16/2023	ND	222	111	200	1.55	
EXT DRO >C28-C36	888	50.0	12/16/2023	ND					
Surrogate: 1-Chlorooctane	82.1 %	48.2-134							
Surrogate: 1-Chlorooctadecane	117 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

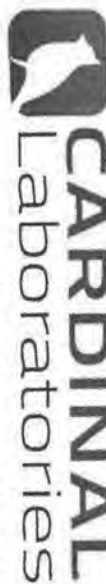
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC Project Manager: Beaux Jennings Address: 601 N Marlenfeld Street, Suite 400 City: Midland State: TX Zip: 79701 Phone #: 210-219-8858 Fax #: Project #: 03B1417065 Project Owner: Project Name: Lost Tank 35 State #14 LTB Project Location: Eddy County Sampler Name: <i>OK</i> <small>FOR LAB USE ONLY</small>										P.O. #: Company: Oxy USA Inc. Attn: Wade Dittich Address: City: State: Zip: Phone #: 575-390-2828 Fax #:																								
Lab I.D. Sample I.D. Depth (feet) (G)RAB OR (C)OMP. # CONTAINERS										<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="5">MATRIX</th> <th>PRESERV.</th> <th>SAMPLING</th> </tr> <tr> <td>GROUNDWATER</td> <td>WASTEWATER</td> <td>SOIL</td> <td>OIL</td> <td>SLUDGE</td> <td>OTHER :</td> <td>DATE</td> <td>TIME</td> </tr> </table>										MATRIX					PRESERV.	SAMPLING	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	DATE	TIME
MATRIX					PRESERV.	SAMPLING																												
GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	DATE	TIME																											
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Relinquished By: <i>[Signature]</i> Date: 12-15-23 Received By: <i>[Signature]</i> Time: 13:12										REMARKS: Turnaround Time: <i>ES-5 chloride only</i> Thermometer ID #113 <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Sample Condition Correction Factor -0.5°C <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C <i>48 hours</i>																								
Relinquished By: <i>[Signature]</i> Date: 12-15-23 Received By: <i>[Signature]</i> Time: 13:12										Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address:																								
Delivered By: (Circle One) <i>OK</i> Sampler - UPS - Bus - Other:										Observed Temp. °C 26.0 Corrected Temp. °C Sample Condition <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Observed Temp. °C Corrected Temp. °C																								

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

January 23, 2024

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

RE: LOST TANK 35 STATE #4 CTB

Enclosed are the results of analyses for samples received by the laboratory on 01/18/24 14:57.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/18/2024
 Reported: 01/23/2024
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: FS - 6 2' (H240221-01)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	199	99.6	200	0.794	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	179	89.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					
Surrogate: 1-Chlorooctane	89.9 %	48.2-134							
Surrogate: 1-Chlorooctadecane	96.3 %	49.1-148							

Sample ID: FS - 9 2' (H240221-02)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	199	99.6	200	0.794	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	179	89.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					
Surrogate: 1-Chlorooctane	85.0 %	48.2-134							
Surrogate: 1-Chlorooctadecane	89.1 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/18/2024
 Reported: 01/23/2024
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: FS - 12 2' (H240221-03)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	199	99.6	200	0.794	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	179	89.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					
Surrogate: 1-Chlorooctane	86.0 %	48.2-134							
Surrogate: 1-Chlorooctadecane	91.6 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/18/2024
 Reported: 01/23/2024
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: SW - 1 0-2' (H240221-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2024	ND	2.03	101	2.00	6.88		
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95		
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70		
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58		
Total BTEX	<0.300	0.300	01/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1500	16.0	01/19/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	199	99.6	200	0.794	
DRO >C10-C28*	109	10.0	01/19/2024	ND	179	89.5	200	2.92	
EXT DRO >C28-C36	50.6	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/18/2024
 Reported: 01/23/2024
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: SW - 2 0-2' (H240221-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2024	ND	2.03	101	2.00	6.88		
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95		
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70		
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58		
Total BTEX	<0.300	0.300	01/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	01/19/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	199	99.6	200	0.794	
DRO >C10-C28*	317	10.0	01/19/2024	ND	179	89.5	200	2.92	
EXT DRO >C28-C36	94.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
BEAUX JENNINGS
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received: 01/18/2024
Reported: 01/23/2024
Project Name: LOST TANK 35 STATE #4 CTB
Project Number: 03B1417065
Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/18/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Brandi Bautista

Sample ID: SW - 3 0-1.5' (H240221-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2024	ND	2.03	101	2.00	6.88		
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95		
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70		
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58		
Total BTEX	<0.300	0.300	01/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/19/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	199	99.6	200	0.794	
DRO >C10-C28*	1480	10.0	01/19/2024	ND	179	89.5	200	2.92	
EXT DRO >C28-C36	885	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/18/2024
 Reported: 01/23/2024
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: SW - 4 0-1' (H240221-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2024	ND	2.03	101	2.00	6.88		
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95		
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70		
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58		
Total BTEX	<0.300	0.300	01/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	01/19/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	199	99.6	200	0.794	
DRO >C10-C28*	<10.0	10.0	01/19/2024	ND	179	89.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/18/2024
 Reported: 01/23/2024
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: SW - 5 0-1' (H240221-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2024	ND	2.03	101	2.00	6.88	
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95	
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70	
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58	
Total BTEX	<0.300	0.300	01/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/19/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	199	99.6	200	0.794	
DRO >C10-C28*	3850	10.0	01/19/2024	ND	179	89.5	200	2.92	
EXT DRO >C28-C36	2050	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/18/2024
 Reported: 01/23/2024
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Brandi Bautista

Sample ID: SW - 6 0-1.5' (H240221-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2024	ND	2.03	101	2.00	6.88		
Toluene*	<0.050	0.050	01/19/2024	ND	2.02	101	2.00	6.95		
Ethylbenzene*	<0.050	0.050	01/19/2024	ND	2.01	101	2.00	6.70		
Total Xylenes*	<0.150	0.150	01/19/2024	ND	5.90	98.4	6.00	6.58		
Total BTEX	<0.300	0.300	01/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	01/19/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2024	ND	199	99.6	200	0.794	
DRO >C10-C28*	285	10.0	01/19/2024	ND	179	89.5	200	2.92	
EXT DRO >C28-C36	211	10.0	01/19/2024	ND					

Surrogate: 1-Chlorooctane 72.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC						P.O. #:						BILL TO						ANALYSIS REQUEST																									
Project Manager: Beaux Jennings						Company: Oxy USA, Inc.																																					
Address: 601 N. Marienfeld St. STE 400						Attn: Wade Dittich																																					
City: Midland						State: TX Zip: 79701																																					
Phone #: 210-219-8858						Address:																																					
Fax #: 210-219-8858																																											
Project #: 081417045						Project Owner:																																					
Project Name: Lost Tank 35 State #4 CIB						City:																																					
Project Location: Eddy County, NM						State: Zip:																																					
Sample Name: Kelly Lander						Phone #: 575-390-2828																																					
FOR LAB USE ONLY						Fax #:																																					
Lab I.D.		Sample I.D.		Sample Depth (feet)		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		TPH 8015M		BTEX 8021B		Chlorides 4500		N/A		1/8/24		K	
H246221		1		FS-6		2'		C		X		X		X		X		X		X		X		X		X		1/8/24		1250		X											
2		FS-9		2'		C		X		X		X		X		X		X		X		X		X		X		1/8/24		1252		X											
3		FS-12		2'		C		X		X		X		X		X		X		X		X		X		X		1/8/24		1254		X											
4		SM-1		0-2'		C		X		X		X		X		X		X		X		X		X		X		1/8/24		1256		X		X		X		X					
5		SM-2		0-2'		C		X		X		X		X		X		X		X		X		X		X		1/8/24		1258		X		X		X		X					
6		SM-3		0-1.5'		C		X		X		X		X		X		X		X		X		X		X		1/8/24		1300		X		X		X		X					
7		SM-4		0-1'		C		X		X		X		X		X		X		X		X		X		X		1/8/24		1302		X		X		X		X					
8		SM-5		0-1'		C		X		X		X		X		X		X		X		X		X		X		1/8/24		1304		X		X		X		X					
9		SW-6		0-1.5'		C		X		X		X		X		X		X		X		X		X		X		1/8/24		1306		X		X		X		X					
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise.																																											
Relinquished By: [Signature]						Date: 1/8/24						Received By: Brandon Bautist						Time: 14:57						Date: 1/8/24						REMARKS: 72hr rsh Turnaround Time: Standard Rush Thermometer ID #113 Corrosion Factor -0.5°C						Verbal Result: Yes No Add'l Phone #: All Results are emailed. Please provide Email address: B.jennings@ensolum.com Klawns@ensolum.com							
Delivered By: (Circle One) Sampler - UPS - Bus - Other:						Observed Temp. °C Corrected Temp. °C						Sample Condition Cool Intact Yes Yes No No						CHECKED BY: (Initials) [Signature]						Turbidity Time: Standard Rush Thermometer ID #113 Corrosion Factor -0.5°C						Bacteria (only) Sample Condition Cool Intact Yes Yes No No													



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

February 01, 2024

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

RE: LOST TANK 35 STATE #4 CTB

Enclosed are the results of analyses for samples received by the laboratory on 01/30/24 15:17.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 BEAUX JENNINGS
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 01/30/2024
 Reported: 02/01/2024
 Project Name: LOST TANK 35 STATE #4 CTB
 Project Number: 03B1417065
 Project Location: OXY - EDDY COUNTY, NM

Sampling Date: 01/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 3 0-1.5' (H240425-01)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	185	92.6	200	0.794	
DRO >C10-C28*	<10.0	10.0	01/31/2024	ND	200	100	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	01/31/2024	ND					
Surrogate: 1-Chlorooctane	93.2 %	48.2-134							
Surrogate: 1-Chlorooctadecane	98.0 %	49.1-148							

Sample ID: SW - 5 0-1' (H240425-02)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	185	92.6	200	0.794	
DRO >C10-C28*	28.3	10.0	01/31/2024	ND	200	100	200	1.18	
EXT DRO >C28-C36	16.2	10.0	01/31/2024	ND					
Surrogate: 1-Chlorooctane	64.2 %	48.2-134							
Surrogate: 1-Chlorooctadecane	69.6 %	49.1-148							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC

BILL TO

ANALYSIS REQUEST

Project Manager: Brock Jensen

P.O. #:

Address: 601 N Marlenfeld Street, Suite 400

OK USA, Inc
Wade D. Jensen

City: Midland

State: TX Zip: 79701

Address:

Phone #: 210-219-8888

Fax #:

City:

Project #: 03181417065

Project Owner:

State:

Project Name: L-51 Tank 35 4-24-24 #4 CTR

Zip:

Project Location: Eddy County, NM

Phone # 575-390-2828

Sampler Name: NKD

Fax #:

FOR LAB USE ONLY

MATRIX

PRESERV.

SAMPLING

Lab I.D.

Sample I.D.

Depth (feet)

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

TPH 80.5m

1 34-3

2 34-3

0-1.5'

0-1

X

X

X

X

X

NFE

NFE

1/30/24

1/30/24

X

X

X

X

X

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Relinquished By:

Date: 1/30/24

Received By:

Verbal Result: ☐ Yes ☐ No

Add'l Phone #:

All Results are emailed. Please provide Email address:

Relinquished By: Nelson Hall

Date: 1/30/24

Received By: Speedier

REMARKS:

72 hr

Standard Rush

Bacteria (only) Sample Condition

Corrected Temp. °C

Delivered By: (Circle One)

Observed Temp. °C

112

Sample Condition

CHECKED BY: [Signature]

Turnaround Time: #140

Standard Rush

Bacteria (only) Sample Condition

Corrected Temp. °C

Sampler - UPS - Bus - Other:

Corrected Temp. °C

112

Sample Condition

CHECKED BY: [Signature]

Turnaround Time: #140

Standard Rush

Bacteria (only) Sample Condition

Corrected Temp. °C

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

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

June 25, 2024

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: LOST TANK

Enclosed are the results of analyses for samples received by the laboratory on 06/14/24 14:47.

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

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

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

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

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

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" being more prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705Project: LOST TANK
Project Number: 03B1417065
Project Manager: BEAUX JENNINGS
Fax To:Reported:
25-Jun-24 16:53

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 1 0-2	H243470-01	Soil	14-Jun-24 12:35	14-Jun-24 14:47
SW - 2 0-2	H243470-02	Soil	14-Jun-24 12:40	14-Jun-24 14:47
SW - 6 0-1.5	H243470-03	Soil	14-Jun-24 12:45	14-Jun-24 14:47

06/25/24 - Client changed the sample ID on -03 (see COC). This is the revised report and will replace the one sent on 06/20/24.

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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: LOST TANK
Project Number: 03B1417065
Project Manager: BEAUX JENNINGS
Fax To:

Reported:
25-Jun-24 16:53

SW - 1 0-2
H243470-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	4061824	AC	18-Jun-24	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4061502	MS	18-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4061502	MS	18-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4061502	MS	18-Jun-24	8015B	
Surrogate: 1-Chlorooctane			111 %	48.2-134		4061502	MS	18-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			131 %	49.1-148		4061502	MS	18-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: LOST TANK
Project Number: 03B1417065
Project Manager: BEAUX JENNINGS
Fax To:

Reported:
25-Jun-24 16:53

SW - 2 0-2
H243470-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4061502	MS	18-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4061502	MS	18-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4061502	MS	18-Jun-24	8015B	
Surrogate: 1-Chlorooctane			97.8 %	48.2-134		4061502	MS	18-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			118 %	49.1-148		4061502	MS	18-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: LOST TANK
Project Number: 03B1417065
Project Manager: BEAUX JENNINGS
Fax To:

Reported:
25-Jun-24 16:53

SW - 6 0-1.5
H243470-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4061502	MS	18-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4061502	MS	18-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4061502	MS	18-Jun-24	8015B	
Surrogate: 1-Chlorooctane			103 %	48.2-134		4061502	MS	18-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			124 %	49.1-148		4061502	MS	18-Jun-24	8015B	

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ENSOLUM, LLC
705 W WADLEY AVE.
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Project: LOST TANK
Project Number: 03B1417065
Project Manager: BEAUX JENNINGS
Fax To:

Reported:
25-Jun-24 16:53

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 4061824 - 1:4 DI Water									
Blank (4061824-BLK1)					Prepared & Analyzed: 18-Jun-24				
Chloride	ND	16.0	mg/kg						
LCS (4061824-BS1)					Prepared & Analyzed: 18-Jun-24				
Chloride	416	16.0	mg/kg	400		104	80-120		
LCS Dup (4061824-BSD1)					Prepared & Analyzed: 18-Jun-24				
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20

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Project Manager: BEAUX JENNINGS
Fax To:

Reported:
25-Jun-24 16:53

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4061502 - General Prep - Organics**Blank (4061502-BLK1)**

Prepared: 15-Jun-24 Analyzed: 17-Jun-24

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	43.3		mg/kg	50.0		86.5	48.2-134			
Surrogate: 1-Chlorooctadecane	51.0		mg/kg	50.0		102	49.1-148			

LCS (4061502-BS1)

Prepared: 15-Jun-24 Analyzed: 17-Jun-24

GRO C6-C10	200	10.0	mg/kg	200		99.8	66.4-123			
DRO >C10-C28	198	10.0	mg/kg	200		98.9	66.5-118			
Total TPH C6-C28	397	10.0	mg/kg	400		99.3	77.6-123			
Surrogate: 1-Chlorooctane	47.9		mg/kg	50.0		95.9	48.2-134			
Surrogate: 1-Chlorooctadecane	58.8		mg/kg	50.0		118	49.1-148			

LCS Dup (4061502-BSD1)

Prepared: 15-Jun-24 Analyzed: 17-Jun-24

GRO C6-C10	205	10.0	mg/kg	200		102	66.4-123	2.63	17.7	
DRO >C10-C28	207	10.0	mg/kg	200		104	66.5-118	4.64	21	
Total TPH C6-C28	412	10.0	mg/kg	400		103	77.6-123	3.63	18.5	
Surrogate: 1-Chlorooctane	49.8		mg/kg	50.0		99.5	48.2-134			
Surrogate: 1-Chlorooctadecane	60.8		mg/kg	50.0		122	49.1-148			

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Notes and Definitions

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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



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

October 03, 2024

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MILLS RANCH PIT

Enclosed are the results of analyses for samples received by the laboratory on 09/30/24 13:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 09/30/2024
 Reported: 10/03/2024
 Project Name: MILLS RANCH PIT
 Project Number: 03B1417139
 Project Location: OXY - LEA COUNTY, NM

Sampling Date: 09/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: MILLS RANCH PIT 0.25' (H245925-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2024	ND	1.99	99.6	2.00	6.75	
Toluene*	0.060	0.050	10/02/2024	ND	2.05	103	2.00	6.79	
Ethylbenzene*	<0.050	0.050	10/02/2024	ND	2.07	104	2.00	7.11	
Total Xylenes*	<0.150	0.150	10/02/2024	ND	6.16	103	6.00	7.03	
Total BTEX	<0.300	0.300	10/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/01/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2024	ND	205	103	200	1.17	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	183	91.5	200	3.28	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 72.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.3 % 49.1-148

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

Celey D. Keene, Lab Director/Quality Manager

**BILL TO**

ANALYSIS REQUEST

[illegible]

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 521402

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521402
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2234073696
Incident Name	NAPP2234073696 LOST TANK 35 STATE #4 CTB @ FAPP2127045053
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2127045053] LOST TANK 35-4 ST BATTERY

Location of Release Source

Please answer all the questions in this group.

Site Name	LOST TANK 35 STATE #4 CTB
Date Release Discovered	11/28/2022
Surface Owner	State

Incident Details

Please answer all the questions in this group.

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

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: Equipment Failure Coupling Crude Oil Released: 60 BBL Recovered: 55 BBL Lost: 5 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 521402

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521402
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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: Daniel Sparks Title: Environmental Analyst III Email: daniel_sparks@oxy.com Date: 10/30/2025
--	---

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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 521402

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:
	16696
	Action Number:
	521402
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Attached Document
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	59200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	17600
GRO+DRO (EPA SW-846 Method 8015M)	14480
BTEX (EPA SW-846 Method 8021B or 8260B)	32.6
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	01/17/2023
On what date will (or did) the final sampling or liner inspection occur	06/14/2024
On what date will (or was) the remediation complete(d)	06/14/2024
What is the estimated surface area (in square feet) that will be reclaimed	5469
What is the estimated volume (in cubic yards) that will be reclaimed	356
What is the estimated surface area (in square feet) that will be remediated	5469
What is the estimated volume (in cubic yards) that will be remediated	356

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

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

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Oil Conservation Division
1220 S. St Francis Dr.
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QUESTIONS, Page 4

Action 521402

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521402
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Daniel Sparks Title: Environmental Analyst III Email: daniel_sparks@oxy.com Date: 10/30/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Oil Conservation Division
1220 S. St Francis Dr.
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QUESTIONS, Page 5

Action 521402

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521402
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

General Information
Phone: (505) 629-6116

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

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

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Action 521402

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521402
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	353187
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/14/2024
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	1200

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	5469
What was the total volume (cubic yards) remediated	356
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	5469
What was the total volume (in cubic yards) reclaimed	356
Summarize any additional remediation activities not included by answers (above)	N/A

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Daniel Sparks Title: Environmental Analyst III Email: daniel_sparks@oxy.com Date: 10/30/2025
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Action 521402

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521402
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 521402

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521402
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2234073696 LOST TANK 35 STATE #4 CTB, thank you. This Remediation Closure Report is approved.	11/25/2025