



October 2, 2025

**New Mexico Oil Conservation Division**

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

**Re: Reclamation Report  
Sterling Silver 33-3 CTB  
Incident Number nAPP2301141577  
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Oxy USA Inc. (Oxy), has prepared the following *Reclamation Report* for the Sterling Silver 33-3 CTB (Site). This *Reclamation Report* documents the Site history, reclamation activities completed to date, and proposes a vegetation monitoring plan.

**BACKGROUND**

The Site is located in Unit E, Section 33, Township 23 South, Range 31 East, in Eddy County, New Mexico (32.262695°, -103.791139°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On December 7, 2022, there was an equipment failure on a flowline that resulted in the release of 125 barrels (bbls) of produced water into the surrounding pasture. Approximately 120 bbls of released fluids were recovered. Oxy reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on December 7, 2022, and subsequently submitted a Release Notification Form C-141 (Form C-141) on January 17, 2023. The release was assigned Incident Number nAPP2301141577.

Delineation and confirmation soil sampling activities were completed at the Site between July and August 2024 to assess for the presence or absence of impacted soil resulting from the produced water release. Based on the delineation and confirmation soil sample analytical results, no impacted soil was identified, and no further remediation was required. A *Closure Request* was submitted to the NMOCD on January 24, 2025. The NMOCD approved the *Closure Request* on January 27, 2025.

Additional details regarding the release, Site Characterization, delineation and confirmation sampling activities, and soil sample analytical results can be referenced in the approved *Closure Request*, attached as Appendix A. Remediation of the release was completed in accordance with Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC).

**RECLAMATION ACTIVITIES**

The affected area measured approximately 615 square feet. The release extent and reclamation area are shown on the attached Figure 1. Photographic documentation is included in the original *Closure*

Oxy USA Inc.  
 Reclamation Report  
 Sterling Silver 33-3 CTB

Request, attached as appendix A. As documented in the approved *Closure Request*, laboratory analytical results for the confirmation soil samples confirmed the absence of impacted and/or waste containing soil. No excavation or backfill activities were completed at the Site.

The affected pasture area will be seeded during the Fall of 2025 or Spring of 2026, when temperatures and precipitation are more conducive to vegetative growth. The disturbed area will be seeded with the below BLM seed mixture #2 for sandy sites at the rate specified in pounds of pure live seed (PLS) per acre.

Species/Cultivar	PLS/Acre
Sand dropseed ( <i>Sporobolus cryptandrus</i> )	1.0
Sand love grass ( <i>Eragrostis trichodes</i> )	1.0
Plains bristlegrass ( <i>Setaria macrostachya</i> )	2.0

The seed mix will be applied via drill seeding or broadcast seeding. If broadcast seeding is selected, the PLS/acre will be doubled, and the seed mix will be raked in by chaining or dragging the Site.

## VEGETATION MONITORING

The Site will be monitored for vegetation growth to ensure that reclamation activities were successful. Focus for this phase will be to prevent erosion and Site degradation, and to monitor for and treat invasive and noxious weed species.

- Annual inspections will take place at the location to monitor revegetation progress.
- If necessary, an additional application of the BLM seed mix will be applied.
- Noxious and invasive weeds will be identified and treated by licensed contracted herbicide applicator or mechanically removed.

A *Revegetation Report* will be submitted to the NMOCD and BLM once vegetation growth in the reclaimed pasture area has uniform vegetative cover that reflects a life-form ratio of plus or minus 50 percent (%) of pre-disturbance levels and a total percent plant cover of at least 70% of pre-disturbance levels, excluding noxious weeds, per NMAC 19.15.29.13 D.(3).

## RECLAMATION APPROVAL REQUEST

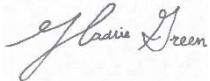
Based on the reclamation activities completed to date and proposed vegetation monitoring plan described above, Oxy respectfully requests approval of this *Reclamation Report* and a status update to *Reclamation Report Approved, Pending submission of Re-Vegetation Report* for Incident Number nAPP2301141577.

Oxy USA Inc.  
Reclamation Report  
Sterling Silver 33-3 CTB

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If you have any questions or comments, please contact Ms. Aimee Cole at (720) 384-7365 or [acole@ensolum.com](mailto:acole@ensolum.com).

Sincerely,  
**Ensolum, LLC**



Hadlie Green  
Project Geologist



Aimee Cole  
Senior Managing Scientist

cc: Jessica Kent, Oxy  
Daniel Sparks, Oxy  
Bureau of Land Management

Appendices:

Figure 1      Reclamation Area  
Appendix A    January 3, 2025, *Closure Request*



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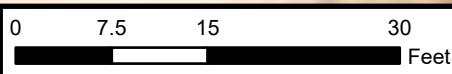
## FIGURES

**Legend** Release Extent/  
Reclamation Area

N



Folder: C:\Users\Leah.Nunez\OneDrive - ENSOLUM, LLC\Ensolum GIS0 - Projects\Oxy USA Inc\03E1417130 - Sterling Silver 33-3 CTB

 0 7.5 15 30 Feet

Sources: Environmental Systems Research Institute (ESRI)

Environmental, Engineering and  
Hydrogeologic Consultants**Reclamation Area**

Oxy USA Inc.  
Sterling Silver 33-3 CTB  
Incident Number: nAPP2301141577  
Unit E, Section 33, T 23S, R 31E  
Eddy County, New Mexico

**FIGURE**  
**1**



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## APPENDIX A

January 3, 2025, *Closure Request*

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# ENSOLUM

January 3, 2025

## New Mexico Oil Conservation Division

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

**Re: Closure Request  
Sterling Silver 33-3 CTB  
Incident Number nAPP2301141577  
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Oxy USA Inc. (Oxy), has prepared this *Closure Request* to document assessment, delineation, and soil sampling activities performed at the Sterling Silver 33-3 CTB (Site). The purpose of the Site assessment, delineation, and soil sampling activities was to assess for the presence or absence of impacts to soil resulting from a produced water release at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, Oxy is submitting this *Closure Request*, describing Site assessment and delineation activities that have occurred and requesting closure for Incident Number nAPP2301141577.

## SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit F, Section 33, Township 23 South, Range 31 East, in Eddy County, New Mexico (32.262695°, -103.791139°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On December 7, 2022, there was an equipment failure on a flowline that resulted in 125 barrels (bbls) of produced water to be released; 120 bbls were recovered. Oxy reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on December 7, 2022, and subsequently submitted a Initial C-141 Report (C-141) on January 17, 2023. The release was assigned Incident Number nAPP2301141577.

## SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization are summarized below and detailed in the NMOCD permitting portal C-141 Site Characterization section. Potential Site receptors are identified on Figure 4.

Depth to groundwater at the Site is reasonably estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 321648103482101, located approximately 1.5 miles northwest of the Site. The groundwater well was drilled during March 1959 to a total depth of 220 feet below ground surface (bgs). And on September 20, 1972 the well was gauged

again with a water level of 139 feet bgs. All wells used for depth to groundwater determination are presented on Figure 1. The associated well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a stream bed, located approximately 5,400 feet west of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- Total TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

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

## **SITE ASSESSMENT ACTIVITIES AND LABORATORY ANALYTICAL RESULTS**

On July 3, 2024, Ensolum personnel conducted Site assessment activities to evaluate the release extent based on information provided on the Form C-141 and visual observations. Three potholes (PH01 through PH03) were advanced via hand auger to a depth of 4-feet bgs and discrete soil samples were collected from each pothole location at varying depths ranging from 0.5 feet bgs to 4 feet bgs, in order to assess for the presence or absence of impacted soil resulting from the produced water release. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 3. Photographic documentation was completed during the Site visit and a photographic log is included as Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH- GRO, TPH- DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method SM4500.

Laboratory analytical results for assessment samples PH01 through PH03, collected around the release area, were compliant with the most stringent Table I Closure Criteria and thus successfully defined the vertical extent of the release. Confirmation soil sampling and lateral delineation activities were warranted to further confirm the absence of impacted soil within the release area.

Oxy USA Inc.  
Closure Request  
Sterling Silver 33-3 CTB



## DELINEATION ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

Between August 1 and 29, 2024, Ensolum personnel returned to the Site to complete lateral delineation activities to confirm the absence of impacted soil within the release area. A total of four delineation grab soil samples (SS01 through SS04) were collected at a depth of 0.5 feet bgs, and four confirmation composite soil samples (CS01 through CS04) were collected at a depth of 0.25 feet bgs. Soil samples were field screened for VOCs and chloride, and samples were collected based on the field screening results. The delineation and confirmation soil samples were collected, handled, and analyzed following the same procedures previously described. The delineation and confirmation soil sample locations were mapped utilizing a handheld GPS unit and are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B.

Laboratory analytical results for delineation soil samples (SS01 through SS04) and confirmation soil samples (CS01 through CS04) indicated all COC concentrations were compliant with the reclamation requirements and provided lateral delineation to below the most stringent Table I Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete analytical reports are included as Appendix C.

## CLOSURE REQUEST

Soil sampling activities were conducted at the Site to assess for the presence or absence of impacted soil resulting from the December 7, 2022, produced water release. Laboratory analytical results for all pothole, confirmation and delineation soil samples collected from the release area indicated that all COC concentrations were compliant with the Site Closure Criteria and provided lateral and vertical delineation to the most stringent Table I Closure Criteria. Based on the laboratory analytical results, no impacted soil was identified, and no further remediation is required.

All released fluids were documented to have been recovered immediately following the release, with the exception of 5 bbls of produced water. Depth to groundwater was reasonably determined to be greater than 100 feet bgs within 1.5 miles of the Site and no other sensitive receptors were identified near the release extent. Oxy believes the remedial actions completed are protective of human health, the environment, and groundwater. As such, Oxy respectfully requests closure for Incident Number nAPP2301141577.

If you have any questions or comments, please contact Mr. Beaux Jennings at [Bjennings@ensolum.com](mailto:Bjennings@ensolum.com) or (210) 219-8858.

Sincerely,  
**Ensolum, LLC**

Samantha MacKenzie  
Staff Geologist

Tacoma Morrissey  
Senior Geologist

cc: Wade Dittrich, Oxy USA Inc.  
Tyson Pierce, Oxy USA Inc.  
Bureau of Land Management Office

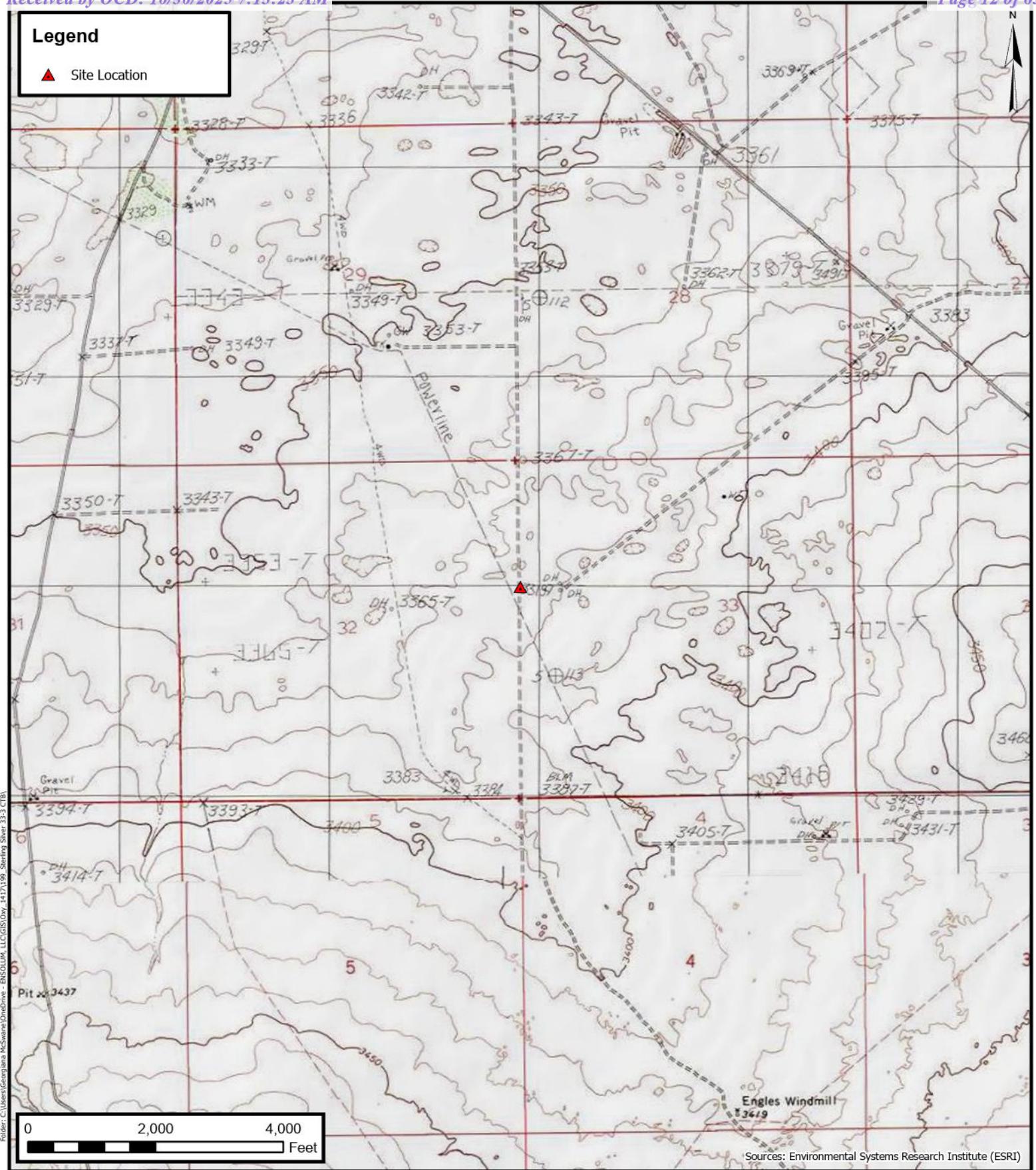
Appendices:

- Figure 1 Topographic Map
- Figure 2 Site Vicinity Map
- Figure 3 Site Map
- Figure 4 Closure Criteria Map
- Table 1 Soil Sample Analytical Results
- Appendix A Referenced Well Records
- Appendix B Photographic Log
- Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation



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## FIGURES



Sources: Environmental Systems Research Institute (ESRI)



Environmental, Engineering and  
Hydrogeologic Consultants

# Topographic Map

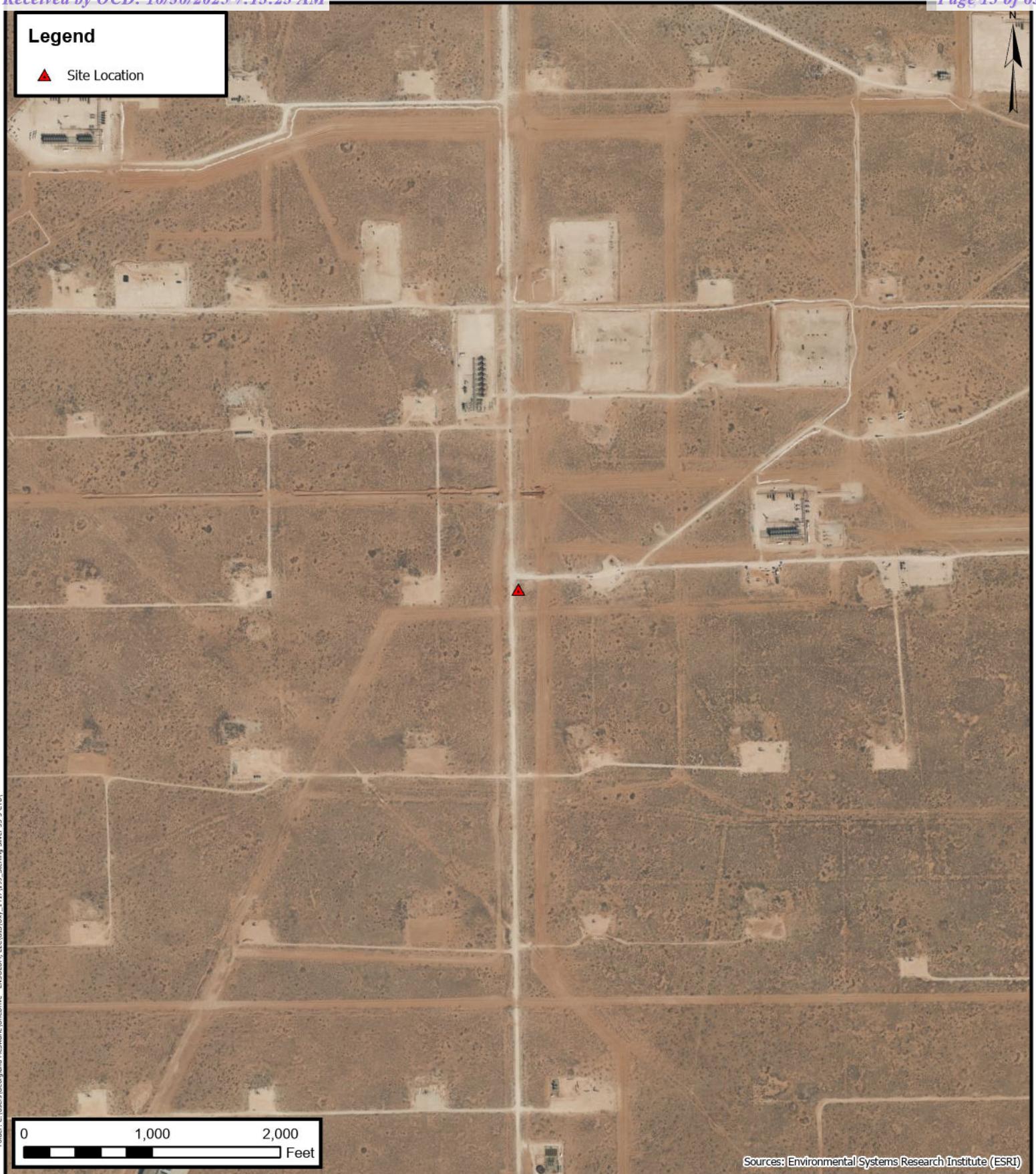
Oxy USA Inc.  
Sterling Silver 33-3 CTB  
32.262695° N, 103.791139° W  
Eddy County, New Mexico

## FIGURE

1

## Legend

▲ Site Location



**Site Vicinity Map**  
Oxy USA Inc.  
Sterling Silver 33-3 CTB  
32.262695° N, 103.791139° W  
Eddy County, New Mexico

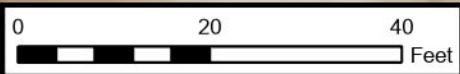
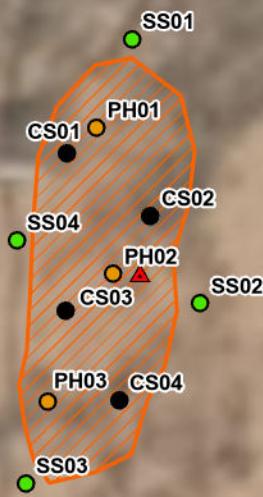
PROJECT NUMBER: 03B1417199

**FIGURE**  
**2**



### Legend

- ▲ Site Location
- Pothole Soil Sample Location
- Delineation Soil Sample Location
- Confirmation Soil Sample Location
- Release Extent



Sources: Environmental Systems Research Institute (ESRI)



Environmental, Engineering and Hydrogeologic Consultants

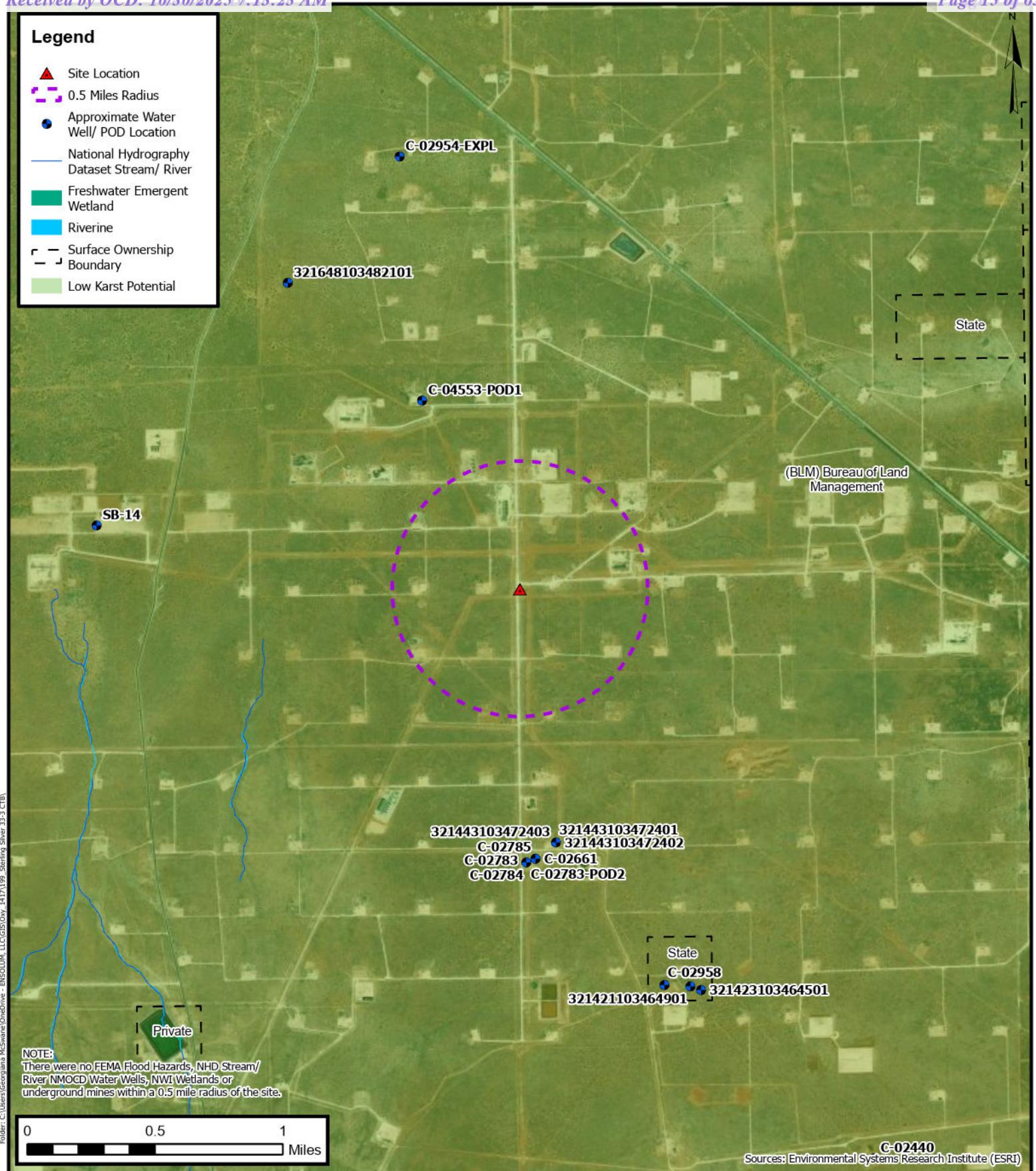
**Site Map**  
**Oxy USA Inc.**  
**Sterling Silver 33-3 CTB**  
 $32.262695^\circ$  N,  $103.791139^\circ$  W  
Eddy County, New Mexico

PROJECT NUMBER: 03B1417199

**FIGURE**  
**3**

**Legend**

- ▲ Site Location
- 0.5 Miles Radius
- Approximate Water Well/ POD Location
- National Hydrography Dataset Stream/ River
- Freshwater Emergent Wetland
- Riverine
- Surface Ownership Boundary
- Low Karst Potential





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## TABLES



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Sterling Silver 33-3 CTB  
 Oxy USA, Inc.  
 Eddy County, New Mexico  
 Project No. 03B1417199

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 C <sub>6</sub> -C <sub>10</sub> (mg/kg)	TPH DRO >C <sub>10</sub> -C <sub>28</sub> (mg/kg)	TPH ORO >C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH GRO+DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	TPH Total C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release		10	NE	NE	NE	50	NE	NE	NE	NE	1,000	2,500	20,000
<b>Pothole Soil Sample Analytical Results</b>													
PH01	07/03/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208*
	07/03/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0*
	07/03/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	536
PH02	07/03/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0*
	07/03/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
PH03	07/03/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0*
	07/03/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
<b>Confirmation Soil Sample Analytical Results</b>													
CS01	08/29/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS02	08/29/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS03	08/29/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS04	08/29/2024	0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
<b>Delineation Soil Sample Analytical Results</b>													
SS01	08/01/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS02	08/01/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS03	08/01/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SS04	08/01/2024	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112

**Notes:**

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

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

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



## APPENDIX A

### Referenced Well Records

Eddy County, New Mexico  
 Latitude 32°16'48", Longitude 103°48'21" NAD27  
 Land-surface elevation 3,336 feet above NAVD88  
 The depth of the well is 220 feet below land surface.  
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
 This well is completed in the Dewey Lake Redbeds (312DYLK) local aquifer.

### Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement	Water-level approval status
1959-03-26		D	62610		3195.91	NGVD29	1	Z			A
1959-03-26		D	62611		3197.57	NAVD88	1	Z			A
1959-03-26		D	72019	138.43			1	Z			A
1972-09-20		D	62610		3194.44	NGVD29	P	Z			A
1972-09-20		D	62611		3196.10	NAVD88	P	Z			A
1972-09-20		D	72019	139.90			P	Z			A



## APPENDIX B

### Photographic Log



### Photographic Log

Oxy USA, Inc.  
Sterling Silver 33-3 CTB  
Project No. 03B1417199



Photograph: 1 Date: 6/24/2024  
Description: Soil staining in release footprint  
View: Southwest

Photograph: 2 Date: 7/2/2024  
Description: Pothole Delineations  
View: Southwest



Photograph: 3 Date: 7/2/2024  
Description: Pothole Delineations  
View: Southeast

Photograph: 4 Date: 8/29/2024  
Description: Confirmation Soil Sampling  
View: Southeast



## APPENDIX C

### Laboratory Analytical Reports & Chain of Custody Documentation



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

July 10, 2024

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

RE: STERLING SILVER 33-3 CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/03/24 9:57.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	07/03/2024	Sampling Date:	07/03/2024
Reported:	07/10/2024	Sampling Type:	Soil
Project Name:	STERLING SILVER 33-3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417199	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

**Sample ID: PH 01 0.5 (H243999-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*		<0.050	0.050	07/09/2024	ND	2.01	101	2.00	3.42	
Toluene*		<0.050	0.050	07/09/2024	ND	2.16	108	2.00	4.76	
Ethylbenzene*		<0.050	0.050	07/09/2024	ND	2.24	112	2.00	3.58	
Total Xylenes*		<0.150	0.150	07/09/2024	ND	6.87	115	6.00	2.66	
Total BTEX		<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		208	16.0	07/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*		<10.0	10.0	07/08/2024	ND	207	104	200	3.09	
DRO >C10-C28*		<10.0	10.0	07/08/2024	ND	197	98.7	200	4.01	
EXT DRO >C28-C36		<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 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  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	07/03/2024	Sampling Date:	07/03/2024
Reported:	07/10/2024	Sampling Type:	Soil
Project Name:	STERLING SILVER 33-3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417199	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

**Sample ID: PH 01 2 (H243999-02)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*		<0.050	0.050	07/09/2024	ND	2.01	101	2.00	3.42	
Toluene*		<0.050	0.050	07/09/2024	ND	2.16	108	2.00	4.76	
Ethylbenzene*		<0.050	0.050	07/09/2024	ND	2.24	112	2.00	3.58	
Total Xylenes*		<0.150	0.150	07/09/2024	ND	6.87	115	6.00	2.66	
Total BTEX		<0.300	0.300	07/09/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		80.0	16.0	07/08/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*		<10.0	10.0	07/08/2024	ND	207	104	200	3.09	
DRO >C10-C28*		<10.0	10.0	07/08/2024	ND	197	98.7	200	4.01	
EXT DRO >C28-C36		<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 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  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	07/03/2024	Sampling Date:	07/03/2024
Reported:	07/10/2024	Sampling Type:	Soil
Project Name:	STERLING SILVER 33-3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417199	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

**Sample ID: PH 01 4 (H243999-03)**

<b>BTEX 8021B</b>		<b>mg/kg</b>		<b>Analyzed By: JH</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	2.01	101	2.00	3.42		
Toluene*	<0.050	0.050	07/09/2024	ND	2.16	108	2.00	4.76		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.24	112	2.00	3.58		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.87	115	6.00	2.66		
Total BTEX	<0.300	0.300	07/09/2024	ND						

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

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: CT</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>536</b>	16.0	07/08/2024	ND	432	108	400	0.00		

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	207	104	200	3.09		
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	197	98.7	200	4.01		
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND						

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	07/03/2024	Sampling Date:	07/03/2024
Reported:	07/10/2024	Sampling Type:	Soil
Project Name:	STERLING SILVER 33-3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417199	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

**Sample ID: PH 02 0.5 (H243999-04)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*		<0.050	0.050	07/09/2024	ND	2.01	101	2.00	3.42	
Toluene*		<0.050	0.050	07/09/2024	ND	2.16	108	2.00	4.76	
Ethylbenzene*		<0.050	0.050	07/09/2024	ND	2.24	112	2.00	3.58	
Total Xylenes*		<0.150	0.150	07/09/2024	ND	6.87	115	6.00	2.66	
Total BTEX		<0.300	0.300	07/09/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		96.0	16.0	07/08/2024	ND	432	108	400	0.00	
TPH 8015M										

Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*		<10.0	10.0	07/09/2024	ND	207	104	200	3.09	
DRO >C10-C28*		<10.0	10.0	07/09/2024	ND	197	98.7	200	4.01	
EXT DRO >C28-C36		<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 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  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	07/03/2024	Sampling Date:	07/03/2024
Reported:	07/10/2024	Sampling Type:	Soil
Project Name:	STERLING SILVER 33-3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417199	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

**Sample ID: PH 02 4 (H243999-05)**

<b>BTEX 8021B</b>		<b>mg/kg</b>		<b>Analyzed By: JH</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	2.01	101	2.00	3.42		
Toluene*	<0.050	0.050	07/09/2024	ND	2.16	108	2.00	4.76		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.24	112	2.00	3.58		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.87	115	6.00	2.66		
Total BTEX	<0.300	0.300	07/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: CT</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>64.0</b>	16.0	07/08/2024	ND	432	108	400	0.00		

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	94.3	94.3	100	0.663		
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.0	91.0	100	0.652		
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND						

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	07/03/2024	Sampling Date:	07/03/2024
Reported:	07/10/2024	Sampling Type:	Soil
Project Name:	STERLING SILVER 33-3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417199	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

**Sample ID: PH 03 0.5 (H243999-06)**

<b>BTEX 8021B</b>		<b>mg/kg</b>		<b>Analyzed By: JH</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	2.01	101	2.00	3.42		
Toluene*	<0.050	0.050	07/09/2024	ND	2.16	108	2.00	4.76		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.24	112	2.00	3.58		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.87	115	6.00	2.66		
Total BTEX	<0.300	0.300	07/09/2024	ND						

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

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: CT</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>80.0</b>	16.0	07/08/2024	ND	432	108	400	0.00		

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	94.3	94.3	100	0.663		
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.0	91.0	100	0.652		
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND						

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	07/03/2024	Sampling Date:	07/03/2024
Reported:	07/10/2024	Sampling Type:	Soil
Project Name:	STERLING SILVER 33-3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417199	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

**Sample ID: PH 03 4 (H243999-07)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	2.01	101	2.00	3.42		
Toluene*	<0.050	0.050	07/09/2024	ND	2.16	108	2.00	4.76		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.24	112	2.00	3.58		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.87	115	6.00	2.66		
Total BTEX	<0.300	0.300	07/09/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	07/08/2024	ND	432	108	400	0.00		
TPH 8015M										

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2024	ND	94.3	94.3	100	0.663	
DRO >C10-C28*	<10.0	10.0	07/09/2024	ND	91.0	91.0	100	0.652	
EXT DRO >C28-C36	<10.0	10.0	07/09/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-04      The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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.

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 that reads "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: Hadie Green				P.O. #:											
Address: 601 N Marienfeld Street, Suite 400				OXY, USA, INC											
City: Midland		State: TX Zip: 79701		Attn: Wade Ditsch											
Phone #: 432-557-8895		Fax #:		Address:											
Project #: 03B1417199		Project Owner:		City:											
Project Name: Stenby Silver 33-3 CTB				State: Zip:											
Project Location: Eddy County, NM				Phone #											
Sampler Name: NKD				Fax #:											
FOR LAB USE ONLY															
Lab I.D.	Sample I.D.	Depth (feet)	# CONTAINERS	MATRIX		PRESERV.	SAMPLING		BTEX	TPH	Chromes 4100				
				GROUNDWATER	WASTEWATER		SOIL	OIL				SLUDGE	OTHER:	ACID/BASE:	ICE / COOL:
1	P401	0.5	C	X		X			7/3/24	0730	X	X	X		
2	P401	2	C	X		X			7/3/24	0740	X	X	X		
3	P401	4	C	X		X			7/3/24	0750	X	X	X		
4	P402	0.5	C	X		X			7/3/24	0755	X	X	X		
5	P403	4	C	X		X			7/3/24	0815	X	X	X		
6	P403	0.5	C	X		X			7/3/24	0840	X	X	X		
7	P403	4													
NFE				NKO				7/3/24							

Relinquished By: <i>Mark Renn</i>		Date: <u>7-3-24</u> Time: <u>0957</u>	Received By: <i>Shodkiney</i>	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: <u>hgreen@erican.com</u>	
Relinquished By:		Date: Time:	Received By: <i>SR</i>	REMARKS: <i>Samples 1-4 are water lossed talked to Name Green Shodkiney to run samples Ap 7-3-24 10:24</i>	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C <u>24.4</u> Corrected Temp. °C	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) <i>SR</i>	Turnaround Time: <input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush Thermometer ID: #443 Correction Factor: <u>-0.5°C</u> <b>#40</b>	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Observed Temp. °C



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

August 07, 2024

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

RE: STERLING SILVER 33-3 CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/01/24 16:09.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 08/01/2024 Sampling Date: 08/01/2024  
 Reported: 08/07/2024 Sampling Type: Soil  
 Project Name: STERLING SILVER 33-3 CTB Sampling Condition: Cool & Intact  
 Project Number: 03B1417199 Sample Received By: Alyssa Parras  
 Project Location: OXY - EDDY CO NM

**Sample ID: SS 01 0.5' (H244629-01)**

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	08/05/2024	ND	1.94	96.8	2.00	5.34	
Toluene*		<0.050	0.050	08/05/2024	ND	1.90	94.8	2.00	4.55	
Ethylbenzene*		<0.050	0.050	08/05/2024	ND	1.92	95.9	2.00	3.63	
Total Xylenes*		<0.150	0.150	08/05/2024	ND	5.66	94.3	6.00	3.38	
Total BTEX		<0.300	0.300	08/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		32.0	16.0	08/06/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*		<10.0	10.0	08/05/2024	ND	187	93.7	200	0.821	
DRO >C10-C28*		<10.0	10.0	08/05/2024	ND	186	93.1	200	3.18	
EXT DRO >C28-C36		<10.0	10.0	08/05/2024	ND					

Surrogate: 1-Chlorooctane 68.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 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  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 08/01/2024 Sampling Date: 08/01/2024  
 Reported: 08/07/2024 Sampling Type: Soil  
 Project Name: STERLING SILVER 33-3 CTB Sampling Condition: Cool & Intact  
 Project Number: 03B1417199 Sample Received By: Alyssa Parras  
 Project Location: OXY - EDDY CO NM

**Sample ID: SS 02 0.5' (H244629-02)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2024	ND	1.94	96.8	2.00	5.34		
Toluene*	<0.050	0.050	08/05/2024	ND	1.90	94.8	2.00	4.55		
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	1.92	95.9	2.00	3.63		
Total Xylenes*	<0.150	0.150	08/05/2024	ND	5.66	94.3	6.00	3.38		
Total BTEX	<0.300	0.300	08/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/06/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/05/2024	ND	187	93.7	200	0.821		
DRO >C10-C28*	<10.0	10.0	08/05/2024	ND	186	93.1	200	3.18		
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND						

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 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  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 08/01/2024 Sampling Date: 08/01/2024  
 Reported: 08/07/2024 Sampling Type: Soil  
 Project Name: STERLING SILVER 33-3 CTB Sampling Condition: Cool & Intact  
 Project Number: 03B1417199 Sample Received By: Alyssa Parras  
 Project Location: OXY - EDDY CO NM

**Sample ID: SS 03 0.5' (H244629-03)**

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	08/05/2024	ND	1.94	96.8	2.00	5.34		
Toluene*	<0.050	0.050	08/05/2024	ND	1.90	94.8	2.00	4.55		
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	1.92	95.9	2.00	3.63		
Total Xylenes*	<0.150	0.150	08/05/2024	ND	5.66	94.3	6.00	3.38		
Total BTEX	<0.300	0.300	08/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/06/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/05/2024	ND	187	93.7	200	0.821		
DRO >C10-C28*	<10.0	10.0	08/05/2024	ND	186	93.1	200	3.18		
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND						

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM, LLC  
 HADLIE GREEN  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 08/01/2024 Sampling Date: 08/01/2024  
 Reported: 08/07/2024 Sampling Type: Soil  
 Project Name: STERLING SILVER 33-3 CTB Sampling Condition: Cool & Intact  
 Project Number: 03B1417199 Sample Received By: Alyssa Parras  
 Project Location: OXY - EDDY CO NM

**Sample ID: SS 04 0.5' (H244629-04)**

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	08/05/2024	ND	1.94	96.8	2.00	5.34		
Toluene*	<0.050	0.050	08/05/2024	ND	1.90	94.8	2.00	4.55		
Ethylbenzene*	<0.050	0.050	08/05/2024	ND	1.92	95.9	2.00	3.63		
Total Xylenes*	<0.150	0.150	08/05/2024	ND	5.66	94.3	6.00	3.38		
Total BTEX	<0.300	0.300	08/05/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/06/2024	ND	416	104	400	0.00		
TPH 8015M										

Analyte		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	08/05/2024	ND	185	92.6	200	3.55		
DRO >C10-C28*	<10.0	10.0	08/05/2024	ND	185	92.6	200	9.71		
EXT DRO >C28-C36	<10.0	10.0	08/05/2024	ND						

Surrogate: 1-Chlorooctane 59.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



---

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### Notes and Definitions

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 that reads "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: <i>Ensolum LLC</i>		BILL TO		ANALYSIS REQUEST																																																																																																				
Project Manager: <i>Hadlie Green</i>		P.O. #:																																																																																																						
Address: <i>601 N. Mariinfeld St.</i>		Company: <i>OXY USA Inc</i>																																																																																																						
City: <i>Midland</i> State: <i>TX</i> Zip: <i>79701</i>		Attn: <i>Wade Dittrich</i>																																																																																																						
Phone #: <i>(432) 557-8895</i> Fax #:		Address:																																																																																																						
Project #: <i>03B1417199</i>		City:																																																																																																						
Project Name: <i>Sterling Silver 33-3 CTD</i>		State: <i></i> Zip: <i></i>																																																																																																						
Project Location: <i>Eddy County, NM</i>		Phone #:																																																																																																						
Sampler Name: <i>LN</i>		Fax #:																																																																																																						
FOR LAB USE ONLY		<table border="1"> <thead> <tr> <th rowspan="2">Lab I.D.</th> <th rowspan="2">Sample I.D.</th> <th rowspan="2">(G)RAB OR (C)OMP.</th> <th rowspan="2"># CONTAINERS</th> <th rowspan="2">MATRIX</th> <th rowspan="2">PRESERV.</th> <th rowspan="2">SAMPLING</th> <th colspan="2">DATE</th> <th colspan="2">TIME</th> <th rowspan="2">BTEX 801</th> <th rowspan="2">TPH 8015</th> <th rowspan="2">Chlorides 8500</th> </tr> <tr> <th>SOIL</th> <th>OIL</th> <th>SLUDGE</th> <th>OTHER</th> <th>ACID/BASE</th> <th>ICE / COOL</th> <th>OTHER</th> <th>8/11/24</th> <th>1230</th> <th>8/11/24</th> <th>1235</th> <th>8/11/24</th> <th>1240</th> <th>8/11/24</th> <th>1245</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SS01</td> <td>0.5</td> <td>G 1</td> <td>WASTEWATER</td> <td>X</td> <td></td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>X</td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>2</td> <td>SS02</td> <td>0.5</td> <td>G 1</td> <td></td> <td>X</td> <td></td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>X</td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>3</td> <td>SS03</td> <td>0.5</td> <td>G 1</td> <td></td> <td>X</td> <td></td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>X</td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>4</td> <td>SS04</td> <td>0.5</td> <td>G 1</td> <td></td> <td>X</td> <td></td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td>X</td> <td></td> <td>X</td> <td></td> </tr> </tbody> </table>										Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE		TIME		BTEX 801	TPH 8015	Chlorides 8500	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	8/11/24	1230	8/11/24	1235	8/11/24	1240	8/11/24	1245	1	SS01	0.5	G 1	WASTEWATER	X		X			X		X		X		2	SS02	0.5	G 1		X		X			X		X		X		3	SS03	0.5	G 1		X		X			X		X		X		4	SS04	0.5	G 1		X		X			X		X		X	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE		TIME		BTEX 801								TPH 8015	Chlorides 8500																																																																																				
							SOIL	OIL	SLUDGE	OTHER		ACID/BASE	ICE / COOL	OTHER	8/11/24	1230	8/11/24	1235			8/11/24	1240	8/11/24	1245																																																																																
1	SS01	0.5	G 1	WASTEWATER	X		X			X		X		X																																																																																										
2	SS02	0.5	G 1		X		X			X		X		X																																																																																										
3	SS03	0.5	G 1		X		X			X		X		X																																																																																										
4	SS04	0.5	G 1		X		X			X		X		X																																																																																										

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Relinquished By: <i>AP</i>	Date: <i>8/11/24</i>	Received By: <i>Apache</i>	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: <i>AP</i>	Time: <i>1009</i>	Date: <i></i>	REMARKS:		
Delivered By: (Circle One)	Observed Temp. °C <i>0.4</i>	Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	Checked By: (Initials) <i>AP</i>	Turnaround Time: <i>Standard</i>	<input checked="" type="checkbox"/> Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C <i></i>			<i>Rush</i>	<input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C
Thermometer ID: #140 Correction Factor: 0°C					

FORM-000 R 3.4 07/11/23

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)



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

September 04, 2024

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

RE: STERLING SILVER 33-3 CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/29/24 13:59.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

ENSOLUM, LLC  
 SAMANTHA MACKENZIE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 08/29/2024 Sampling Date: 08/29/2024  
 Reported: 09/04/2024 Sampling Type: Soil  
 Project Name: STERLING SILVER 33-3 CTB Sampling Condition: Cool & Intact  
 Project Number: 03B1417199 Sample Received By: Alyssa Parras  
 Project Location: OXY - EDDY CO NM

**Sample ID: CS 01 0.25' (H245280-01)**

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	08/31/2024	ND	2.11	106	2.00	1.40		
Toluene*	<0.050	0.050	08/31/2024	ND	2.21	110	2.00	2.03		
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	2.42	121	2.00	1.15		
Total Xylenes*	<0.150	0.150	08/31/2024	ND	7.01	117	6.00	0.420		
Total BTEX	<0.300	0.300	08/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	08/30/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	225	112	200	2.10		
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	230	115	200	6.05		
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND						

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 SAMANTHA MACKENZIE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	08/29/2024	Sampling Date:	08/29/2024
Reported:	09/04/2024	Sampling Type:	Soil
Project Name:	STERLING SILVER 33-3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417199	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: CS 02 0.25' (H245280-02)**

<b>BTEX 8021B</b>		<b>mg/kg</b>		<b>Analyzed By: JH</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2024	ND	2.11	106	2.00	1.40		
Toluene*	<0.050	0.050	08/31/2024	ND	2.21	110	2.00	2.03		
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	2.42	121	2.00	1.15		
Total Xylenes*	<0.150	0.150	08/31/2024	ND	7.01	117	6.00	0.420		
Total BTEX	<0.300	0.300	08/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: CT</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>16.0</b>	16.0	08/30/2024	ND	432	108	400	3.64		

<b>TPH 8015M</b>		<b>mg/kg</b>		<b>Analyzed By: MS</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	225	112	200	2.10		
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	230	115	200	6.05		
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND						

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 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  
 SAMANTHA MACKENZIE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 08/29/2024 Sampling Date: 08/29/2024  
 Reported: 09/04/2024 Sampling Type: Soil  
 Project Name: STERLING SILVER 33-3 CTB Sampling Condition: Cool & Intact  
 Project Number: 03B1417199 Sample Received By: Alyssa Parras  
 Project Location: OXY - EDDY CO NM

**Sample ID: CS 03 0.25' (H245280-03)**

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	08/31/2024	ND	2.11	106	2.00	1.40		
Toluene*	<0.050	0.050	08/31/2024	ND	2.21	110	2.00	2.03		
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	2.42	121	2.00	1.15		
Total Xylenes*	<0.150	0.150	08/31/2024	ND	7.01	117	6.00	0.420		
Total BTEX	<0.300	0.300	08/31/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/30/2024	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	08/29/2024	ND	225	112	200	2.10		
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	230	115	200	6.05		
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND						

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 SAMANTHA MACKENZIE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received: 08/29/2024 Sampling Date: 08/29/2024  
 Reported: 09/04/2024 Sampling Type: Soil  
 Project Name: STERLING SILVER 33-3 CTB Sampling Condition: Cool & Intact  
 Project Number: 03B1417199 Sample Received By: Alyssa Parras  
 Project Location: OXY - EDDY CO NM

**Sample ID: CS 04 0.25' (H245280-04)**

<b>BTEX 8021B</b>		<b>mg/kg</b>		<b>Analyzed By: JH</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2024	ND	2.11	106	2.00	1.40		
Toluene*	<0.050	0.050	08/31/2024	ND	2.21	110	2.00	2.03		
Ethylbenzene*	<0.050	0.050	08/31/2024	ND	2.42	121	2.00	1.15		
Total Xylenes*	<0.150	0.150	08/31/2024	ND	7.01	117	6.00	0.420		
Total BTEX	<0.300	0.300	08/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

<b>Chloride, SM4500Cl-B</b>		<b>mg/kg</b>		<b>Analyzed By: CT</b>						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>16.0</b>	16.0	08/30/2024	ND	432	108	400	3.64		
<b>TPH 8015M</b>										

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	225	112	200	2.10	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	230	115	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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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A handwritten signature in black ink that reads "Celey D. Keene".

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Celey D. Keene, Lab Director/Quality Manager



**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

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

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Relinquished By: <i>Jen</i>	Date: <u>8/29/24</u> Time: <u>1359</u>	Received By: <u>APM</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: <u></u> All Results are emailed. Please provide Email address: <u>BJennings@ensolum.com</u>
Relinquished By:	Date:	Received By:	REMARKS: <u>/smarkenzie@ensolum.com</u>
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C <u>1.9</u> Corrected Temp. °C <u>1.34</u>	Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) <u>AP</u>
			Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>
			Bacteria (only) Sample Condition <input type="checkbox"/> Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No
			Thermometer ID #443 <u>140</u> Correction Factor -0.5°C <u>-0.41</u>
			Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinalallabsnm.com](mailto:celey.keene@cardinalallabsnm.com)

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

QUESTIONS

Action 424524

**QUESTIONS**

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 424524
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2301141577
Incident Name	NAPP2301141577 STERLING SILVER 33-3 CTB @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2126649853] STERLING SILVER 33-3 & 1H BATTERY

Location of Release Source	
Please answer all the questions in this group.	
Site Name	STERLING SILVER 33-3 CTB
Date Release Discovered	12/07/2022
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Flow Line - Production   Produced Water   Released: 125 BBL   Recovered: 120 BBL   Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 424524

**QUESTIONS (continued)**

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:  16696
	Action Number:  424524
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	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.*

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

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

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

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 01/24/2025
--	---

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QUESTIONS, Page 3

**State of New Mexico**  
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**Oil Conservation Division**  
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Action 424524

**QUESTIONS (continued)**

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:  16696
	Action Number:  424524
	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	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (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	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

**Remediation Plan**

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	536
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	07/03/2024
On what date will (or did) the final sampling or liner inspection occur	08/29/2024
On what date will (or was) the remediation complete(d)	08/29/2024
What is the estimated surface area (in square feet) that will be reclaimed	615
What is the estimated volume (in cubic yards) that will be reclaimed	5.7
What is the estimated surface area (in square feet) that will be remediated	615
What is the estimated volume (in cubic yards) that will be remediated	5.7

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

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

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QUESTIONS, Page 4

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
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Action 424524

**QUESTIONS (continued)**

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 424524
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Remediation Plan (continued)**

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

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

*(Select all answers below that apply.)*

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	Confirmation soil samples taken over 200 square feet in compliance with the NMOCD Closure Criteria

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

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

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 01/24/2025
--	---

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

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QUESTIONS, Page 5

Action 424524

**QUESTIONS (continued)**

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:  16696
	Action Number:  424524
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Deferral Requests Only**

*Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*

Requesting a deferral of the remediation closure due date with the approval of this submission	No
--	----

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QUESTIONS, Page 6

Action 424524

**QUESTIONS (continued)**

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:  16696
	Action Number:  424524
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	377362
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/29/2024
What was the (estimated) number of samples that were to be gathered	8
What was the sampling surface area in square feet	615

<b>Remediation Closure Request</b>	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
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	615
What was the total volume (cubic yards) remediated	5.7
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	615
What was the total volume (in cubic yards) reclaimed	5.7
Summarize any additional remediation activities not included by answers (above)	NA

*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: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 01/24/2025
--	---

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QUESTIONS, Page 7

Action 424524

**QUESTIONS (continued)**

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 424524
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

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CONDITIONS

Action 424524

**CONDITIONS**

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 424524
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
crystal.walker	Per the C-141 Guidance Document released on 12/01/2023 when an operator is determining depth to groundwater - "The remediation levels provided in Table I are largely dependent upon depth to groundwater. As such, the OCD focuses upon depth to water estimation. As written, 19.15.11(A)(2) NMAC allows for various means of determining depth to groundwater. If nearby wells are used, it is preferable if they are situated within ½-mile of the release, the water level information is no more than 25 years old, and well construction information is provided. If the water level information does not meet these criteria, the OCD may require boring to a limited depth for verification. If the operator has applicable information which does not meet the above preference, OCD will review it on a case-by-case basis to determine if it is acceptable.	1/27/2025
crystal.walker	Closure Report is approved. In the future request a variance request for the distance or age of the groundwater determination information if it does not meet the guidance document.	1/27/2025

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QUESTIONS

Action 521393

**QUESTIONS**

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:  16696
	Action Number:  521393
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2301141577
Incident Name	NAPP2301141577 STERLING SILVER 33-3 CTB @ FAPP2126649853
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Facility	[fAPP2126649853] STERLING SILVER 33-3 & 1H BATTERY

**Location of Release Source**

*Please answer all the questions in this group.*

Site Name	STERLING SILVER 33-3 CTB
Date Release Discovered	12/07/2022
Surface Owner	Federal

**Incident Details**

*Please answer all the questions in this group.*

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

**Nature and Volume of Release**

*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	<i>Not answered.</i>
Produced Water Released (bbls) Details	<i>Cause: Equipment Failure   Flow Line - Production   Produced Water   Released: 125 BBL   Recovered: 120 BBL   Lost: 5 BBL.</i>
Is the concentration of chloride in the produced water >10,000 mg/l	<i>Yes</i>
Condensate Released (bbls) Details	<i>Not answered.</i>
Natural Gas Vented (Mcf) Details	<i>Not answered.</i>
Natural Gas Flared (Mcf) Details	<i>Not answered.</i>
Other Released Details	<i>Not answered.</i>
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	<i>Not answered.</i>

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QUESTIONS, Page 2

Action 521393

**QUESTIONS (continued)**

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:  16696
	Action Number:  521393
	Action Type:  [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
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.*

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

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

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

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

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QUESTIONS, Page 3

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Action 521393

**QUESTIONS (continued)**

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:  16696
	Action Number:  521393
	Action Type:  [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (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	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	536
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	07/03/2024
On what date will (or did) the final sampling or liner inspection occur	08/29/2024
On what date will (or was) the remediation complete(d)	08/29/2024
What is the estimated surface area (in square feet) that will be reclaimed	615
What is the estimated volume (in cubic yards) that will be reclaimed	5.7
What is the estimated surface area (in square feet) that will be remediated	615
What is the estimated volume (in cubic yards) that will be remediated	5.7
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

**State of New Mexico**  
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Action 521393

**QUESTIONS (continued)**

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:  16696
	Action Number:  521393
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS****Remediation Plan (continued)**

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

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

*(Select all answers below that apply.)*

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	Confirmation soil samples taken over 200 square feet in compliance with the NMOCD Closure Criteria

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

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

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

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

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QUESTIONS, Page 5

Action 521393

**QUESTIONS (continued)**

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:  16696
	Action Number:  521393
	Action Type:  [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

**Deferral Requests Only**

*Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*

Requesting a deferral of the remediation closure due date with the approval of this submission	No
--	----

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QUESTIONS, Page 6

Action 521393

**QUESTIONS (continued)**

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:  16696
	Action Number:  521393
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	377362
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/29/2024
What was the (estimated) number of samples that were to be gathered	8
What was the sampling surface area in square feet	615

<b>Remediation Closure Request</b>	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
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	615
What was the total volume (cubic yards) remediated	5.7
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	615
What was the total volume (in cubic yards) reclaimed	5.7
Summarize any additional remediation activities not included by answers (above)	NA

*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: <a href="mailto:daniel_sparks@oxy.com">daniel_sparks@oxy.com</a> Date: 10/30/2025
--	--

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QUESTIONS, Page 7

Action 521393

**QUESTIONS (continued)**

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:  16696
	Action Number:  521393
	Action Type:  [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS****Reclamation Report**

*Only answer the questions in this group if all reclamation steps have been completed.*

Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	615
What was the total volume of replacement material (in cubic yards) for this site	0
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	10/15/2025
Summarize any additional reclamation activities not included by answers (above)	NA

*The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 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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QUESTIONS, Page 8

Action 521393

**QUESTIONS (continued)**

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:  16696
	Action Number:  521393
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

**Revegetation Report**

*Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.*

Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 521393

**CONDITIONS**

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521393
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**CONDITIONS**

Created By	Condition	Condition Date
nvelez	Reclamation report approved. Pending re-vegetation report.	12/30/2025