



April 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 Fed 3 CTB  
Incident Number NAPP2435236546  
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, excavation, and soil sampling activities performed at the Sterling Silver 33 Fed 3 CTB (Site). The purpose of the Site assessment, delineation, excavation, 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 delineation, and excavation activities that have occurred and requesting closure for Incident Number NAPP2435236546.

**SITE DESCRIPTION AND RELEASE SUMMARY**

The Site is located in Unit E, Section 33, Township 23 South, Range 31 East, in Eddy County, New Mexico (32.2623719°, -103.791203°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On December 13, 2024, a flowline failed due to human error, resulting in the release of approximately 6 barrels (bbls) of produced water in the pasture. Oxy reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on December 17, 2024. The release was subsequently assigned Incident Number NAPP2435236546.

**SITE CHARACTERIZATION AND CLOSURE CRITERIA**

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization are summarized below and detailed in the NMOCD permitting portal Form C-141 Site Characterization section. The Site Closure Criteria is 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 New Mexico Office of the State Engineer documents well C-02783, located approximately 1.06 miles south of the Site. The depth to water was most recently measured on October 18, 2010 and indicated to be greater than 708 feet bgs. The associated well records are included in Appendix A.

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

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 5,317 feet southwest 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). Closure criteria is identified on Figure 4.

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): 100 mg/kg
- Chloride: 600 mg/kg

## DELINEATION ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

On January 7, 2025, Ensolum personnel conducted Site delineation activities to evaluate the release extent based on information provided on the Form C-141 and visual observations. Four soil samples (SS01 through SS04) were advanced via hand auger within the release extent to assess the presence or absence of impacted soil. The soil samples were advanced to a depth of 1 foot bgs, and samples were collected at depths ranging from 0.25 feet to 1 foot bgs. Additionally, six delineation soil samples (DS01 through DS06) were collected outside the release area, at a depth of approximately 0.25 feet bgs to confirm the lateral extent of the release. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips.

Field screening results for soil samples SS01 through SS04 indicated Chlorides were not compliant with the Site Closure Criteria and the Site was not vertically delineated to the most stringent Table I Closure Criteria. Therefore, soil samples for SS01 through SS04 were not submitted for analysis.

The six delineation soil samples (DS01 through DS06) 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-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method SM4500Cl-B.

Laboratory analytical results for delineation soil samples DS01 through DS06 indicated all COCs were compliant with the most stringent Table I Closure Criteria and successfully defined the lateral extent of the release. Field screening results for the soil samples are summarized in the attached Table A.

## COMPOSITE SAMPLING, EXCAVATION ACTIVITIES, AND LABORATORY ANALYTICAL RESULTS

Between January 7, 2025 and February 18, 2025, excavation activities were conducted, and Ensolum personnel returned to the Site to collect 5-point composite soil samples every 200 square feet from the release extent. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Eight composite soil samples (CS01 through CS08) were collected from the excavation floor at depths ranging between 3 feet and 6 feet bgs to confirm the absence of impacted soil. The soil samples were handled

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

and analyzed following the same procedures as described above. Six sidewall soil samples (SW01 through SW06) were also collected from the sidewalls of the excavations at depths ranging from the ground surface to 6 feet bgs. The soil samples were handled and analyzed following the same procedures described above. 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 visits 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 in Hobbs, New Mexico, for analysis of the following COCs: BTEX following EPA Method 8021B; TPH-GRO, TPH-DRO, TPH-ORO following EPA Method 8015M/D; and chloride following EPA Method SM4500Cl-B.

Laboratory analytical results for excavation floor soil samples CS01 through CS08 and excavation sidewall soil samples SW01 through SW06 indicated all COC concentrations were compliant with the most stringent Closure Criteria. The laboratory analytical results are summarized in the attached Table 1 and the complete laboratory analytical reports are included in Appendix C.

The excavation area measured approximately 1,721 square feet. A total of 400 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land Caliche Pit in Lea County, New Mexico.

Subsequent to the results of the final confirmation soil sampling, the excavated areas were backfilled with clean fill material and contoured to the original surrounding grade. One representative 5-point composite soil sample (Twin Wells Ranch Buck Jackson Pit) was collected from the backfill material prior to use at the Site. Laboratory analytical results for the backfill soil sample confirmed compliance with the NMOCD requirements for the reclaimed area to be non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and TPH concentrations less than 100 mg/kg. The laboratory analytical results are summarized in the attached Table 2 and the complete laboratory analytical report is included in Appendix C.

## CLOSURE REQUEST

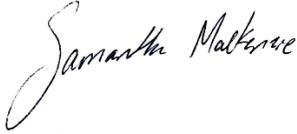
Site assessment and remediation activities were conducted at the Site to address the December 13, 2024 produced water release. Laboratory analytical results for the assessment and excavation activities indicated all COC concentrations were compliant with the Site Closure Criteria. Based on the laboratory analytical results, no further remediation is required at this time.

Depth to groundwater was determined to be greater than 100 feet bgs, but outside 0.5 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 NAPP2435236546.

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

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

Sincerely,  
**Ensolum, LLC**



Samantha MacKenzie  
Staff Geologist



Beaux Jennings  
Associate Principal

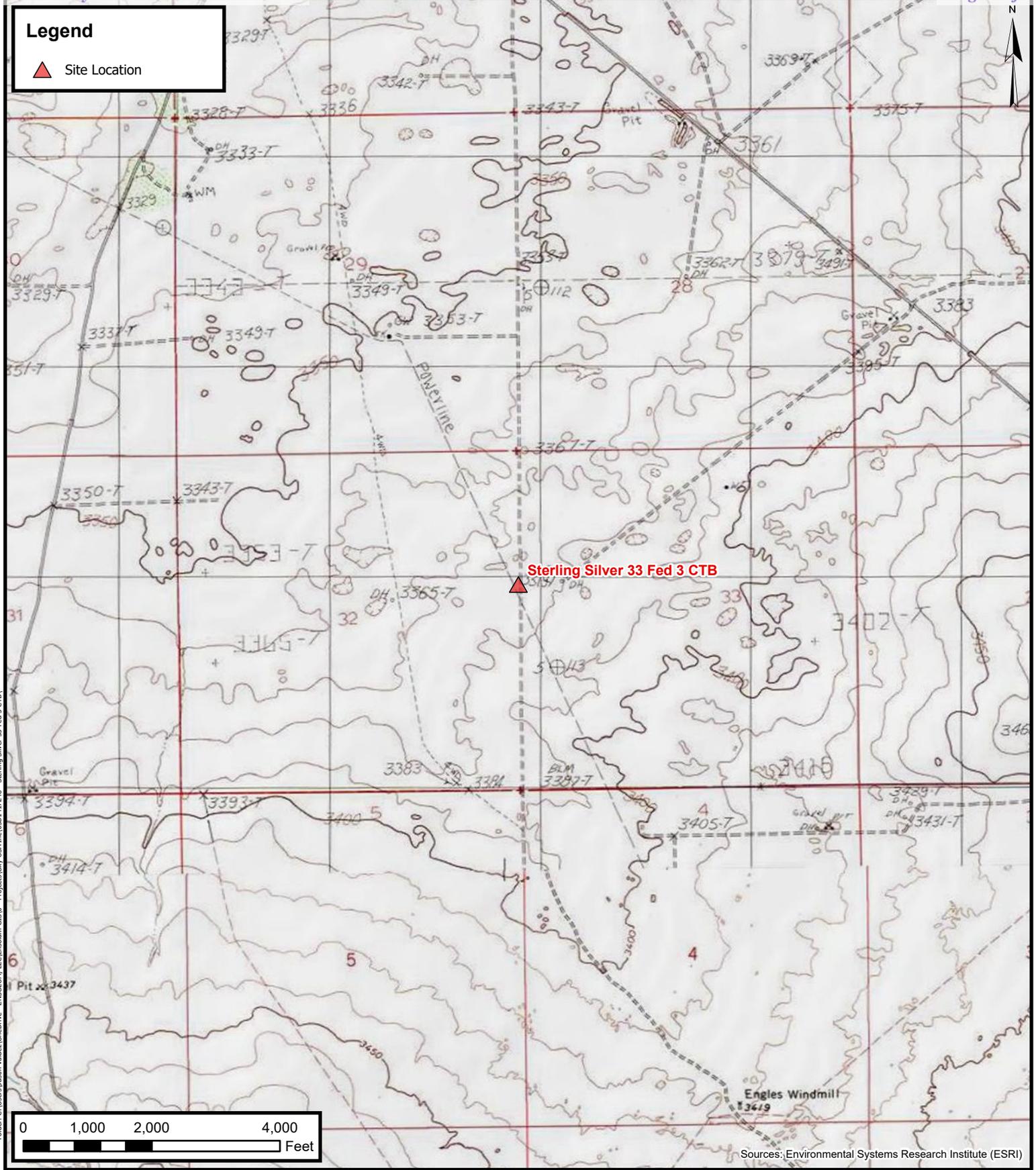
cc: Wade Dittrich, Oxy USA Inc.  
Bureau of Land Management Office

Appendices:

- Figure 1 Topographic Map
- Figure 2 Site Vicinity Map
- Figure 3 Site Map
- Figure 4 Closure Criteria Map
- Figure 5 Twin Wells Ranch Buck Jackson Pit
- Table A Field Screening Soil Sample Results
- Table 1 Soil Sample Analytical Results
- Table 2 Backfill Soil Sample Analytical Results
- Appendix A Referenced Well Records
- Appendix B Photographic Log
- Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix D NMOCD Correspondence



FIGURES

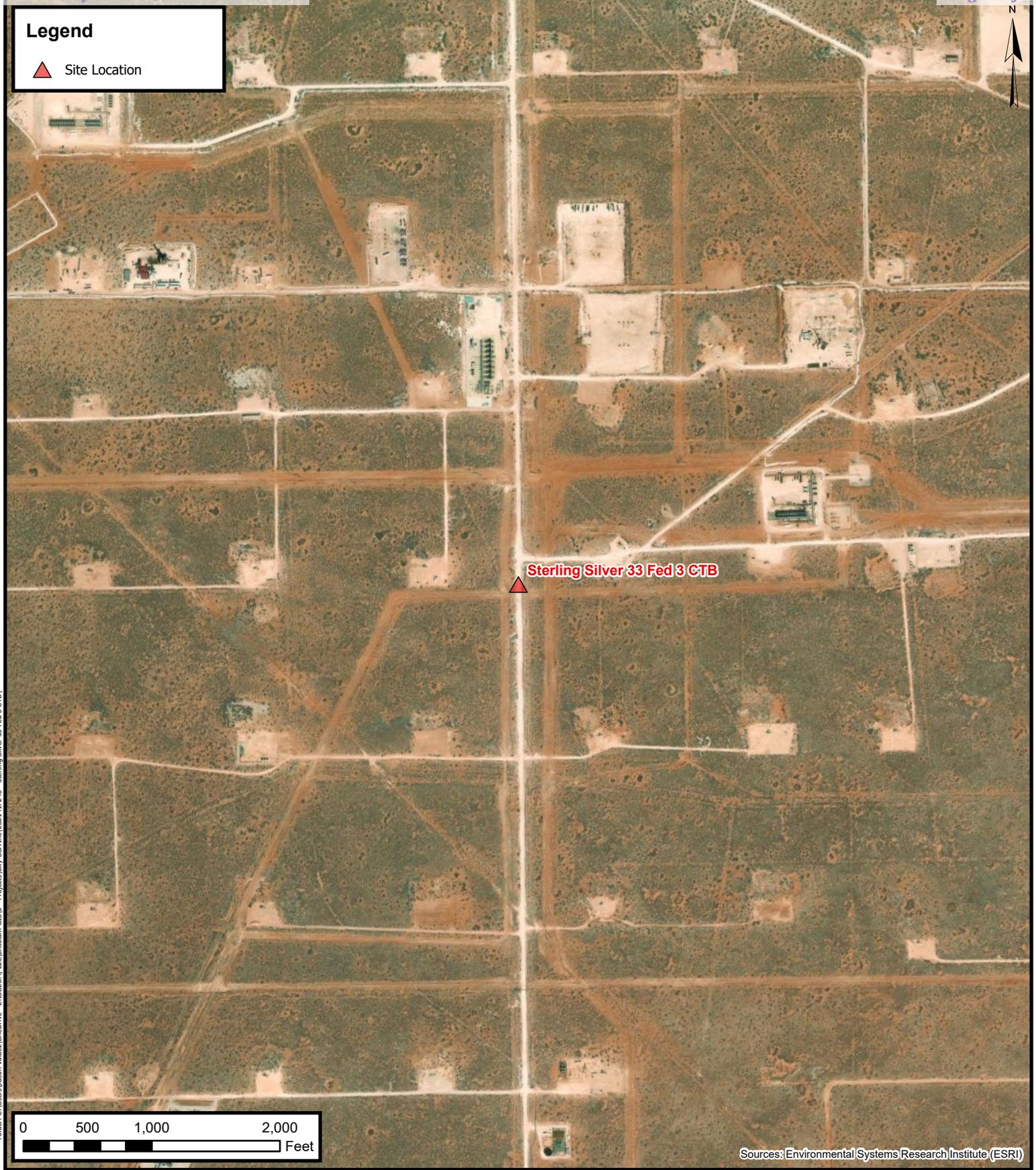


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**ENSOLUM**  
 Environmental, Engineering and  
 Hydrogeologic Consultants

**Topographic Map**  
 Oxy USA Inc.  
 Sterling Silver 33 Fed 3 CTB  
 Project Number: 03B1417248  
 32.2623719, -103.791203  
 Eddy County, New Mexico

**FIGURE**  
 1



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0 500 1,000 2,000 Feet

Sources: Environmental Systems Research Institute (ESRI)

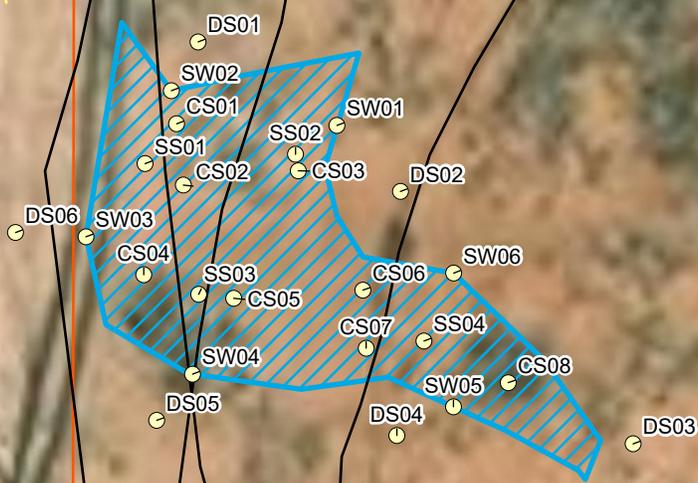


**Site Vicinity Map**  
 Oxy USA Inc.  
 Sterling Silver 33 Fed 3 CTB  
 Project Number: 03B1417248  
 32.2623719, -103.791203  
 Eddy County, New Mexico

**FIGURE**  
**2**

### Legend

-  Sample Location
-  Electric Utility Line
-  Oil and Gas Utility Line
-  Surface Line
-  Water Utility Line
-  Excavation Extent



Sources: Environmental Systems Research Institute (ESRI)

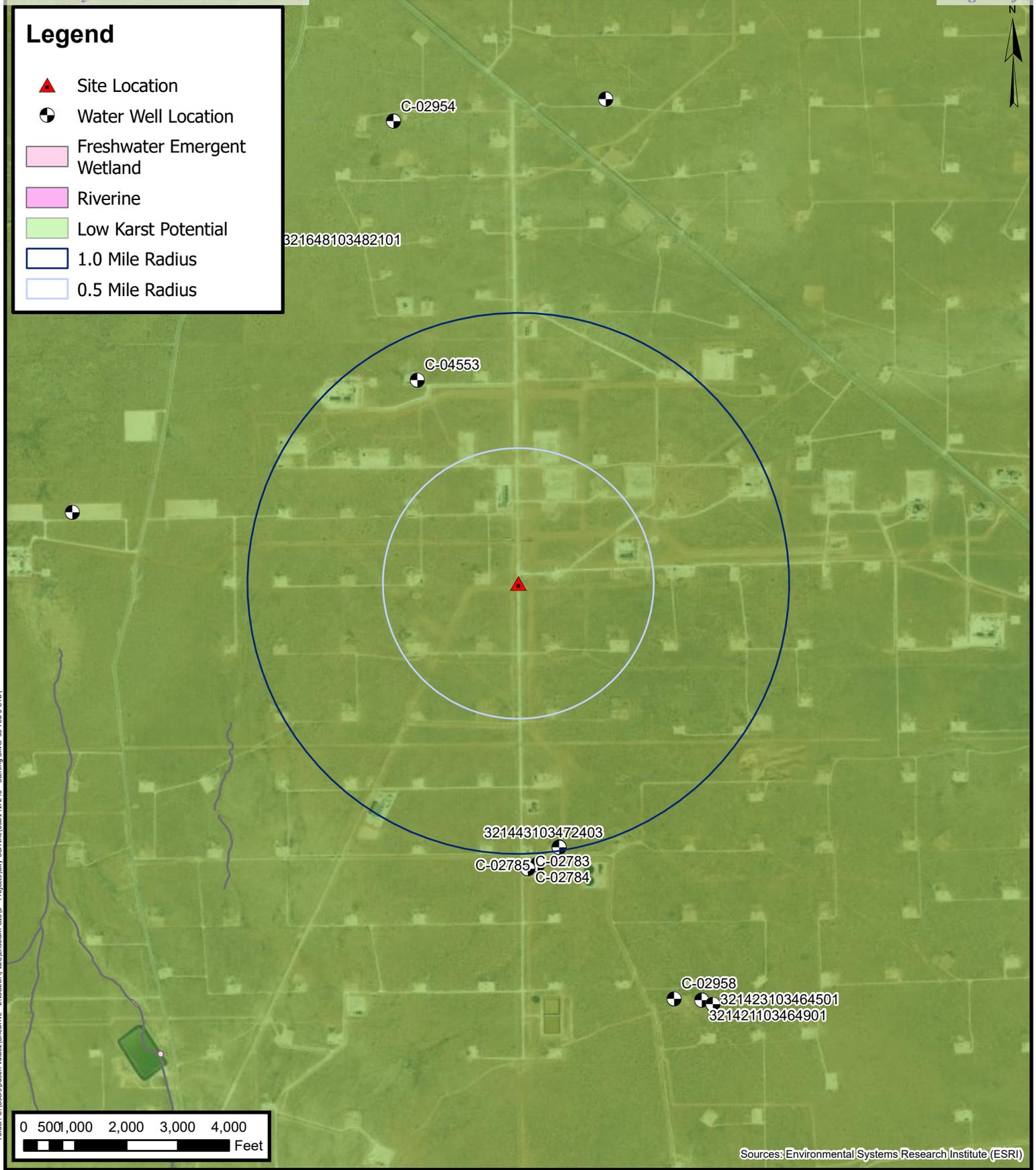


**Site Map**  
 Oxy USA Inc.  
 Sterling Silver 33 Fed 3 CTB  
 Project Number: 03B1417248  
 32.2623719, -103.791203  
 Eddy County, New Mexico

**FIGURE**  
**3**

### Legend

-  Site Location
-  Water Well Location
-  Freshwater Emergent Wetland
-  Riverine
-  Low Karst Potential
-  1.0 Mile Radius
-  0.5 Mile Radius



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Sources: Environmental Systems Research Institute (ESRI)



## Closure Criteria Map

Oxy USA Inc.  
Sterling Silver 33 Fed 3 CTB  
Project Number: 03B1417248  
32.2623719, -103.791203  
Eddy County, New Mexico

# FIGURE

## 4

**Legend**

- Composite Soil Sample Location



Twin Wells Ranch Buck  
Jackson Pit Composite  
Soil Sample Location



Sources: Environmental Systems Research Institute (ESRI)



**Site Map**  
Twin Wells Ranch Buck Jackson Pit  
32.228694, 32.228694  
Eddy County, New Mexico

**FIGURE**  
**1**

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TABLES



**TABLE A**  
**FIELD SCREENING SOIL SAMPLE RESULTS**  
 Sterling Silver 33 Federal 3 CTB  
 Oxy USA, Inc.  
 Eddy County, New Mexico  
 Ensolum Project No. 03B1417248

Sample Designation	Date	Depth (feet bgs)	PID Field Screening Results (ppm)	Chloride Strips Field Screening Results (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release			NA	Chloride 600 mg/kg
<b>Composite Soil Sample Analytical Results</b>				
SS01	01/07/2025	0.25	<b>4.1</b>	<b>9,475</b>
	01/07/2025	1	<b>0.1</b>	<b>5,017</b>
SS02	01/07/2025	0.25	<b>2.0</b>	<b>2,161</b>
	01/07/2025	1	<b>0.2</b>	<b>4,245</b>
SS03	01/07/2025	0.25	<b>30.1</b>	<b>10,264</b>
	01/07/2025	1	<b>0.7</b>	<b>6,910</b>
SS04	01/07/2025	0.25	<b>77.3</b>	<b>6,910</b>
	01/07/2025	1	<b>0.6</b>	<b>3,892</b>
DS01	01/07/2025	0.25	0.0	ND
DS02	01/07/2025	0.25	0.1	ND
DS03	01/07/2025	0.25	0.0	ND
DS04	01/07/2025	0.25	0.0	ND
DS05	01/07/2025	0.25	0.1	ND
DS06	01/07/2025	0.25	0.0	ND

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

represents samples that have been excavated

bgs: below ground surface

mg/kg: milligrams per kilogram

ppm: parts per million

ND: Non Detect

NA: Not Applicable



<b>TABLE 1</b> <b>SOIL SAMPLE ANALYTICAL RESULTS</b> Sterling Silver 33 Federal 3 CTB Oxy USA, Inc. Eddy County, New Mexico Ensolum Project No. 03B1417248									
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Delineation Soil Sample Analytical Results</b>									
DS01	1/7/2025	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
DS02	1/7/2025	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
DS03	1/7/2025	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
DS04	1/7/2025	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
DS05	1/7/2025	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
DS06	1/7/2025	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
<b>Confirmation Soil Sample Analytical Results</b>									
CS01	2/17/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<b>80.0</b>
CS02	2/17/2025	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<b>176</b>
CS03	2/17/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<b>64.0</b>
CS04	2/17/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
CS05	2/17/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
CS06	2/17/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
CS07	2/17/2025	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
CS08	2/17/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
<b>Delineation Sidewall Soil Sample Analytical Results</b>									
SW01	2/18/2025	0-6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<b>96.0</b>
SW02	2/18/2025	0-5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<b>80.0</b>
SW03	2/18/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<b>80.0</b>
SW04	2/18/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<b>96.0</b>
SW05	2/18/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
SW06	2/18/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<b>64.0</b>

**Notes:**

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

**[Yellow Box]** represents samples that have been excavated

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



**TABLE 2**  
**BACKFILL SOIL SAMPLE ANALYTICAL RESULTS**  
 Twin Wells Ranch Buck Jackson Pit  
 Oxy USA, Inc.  
 Lea County, New Mexico  
 Ensolum Project No. NA

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

bgs: below ground surface  
 mg/kg: milligrams per kilogram  
 NA: Not Applicable  
 NE: Not Established  
 BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes  
 GRO: Gasoline Range Organics  
 DRO: Diesel Range Organics  
 MRO: Motor Oil/Lube Oil Range Organics  
 TPH: Total Petroleum Hydrocarbon



## APPENDIX A

### Referenced Well Records

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# Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE  
 quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 02783	SW	SW	NW	04	24S	31E	613911.2	3568461.9	

\* UTM location was derived from PLSS - see Help

**Driller License:**

**Driller Company:**

**Driller Name:**

SANDIA NATIONAL LABS/USGS

**Drill Start Date:**

**Drill Finish Date:**

1979-12-31

**Plug Date:**

2010-10-05

**Log File Date:**

2010-10-18

**PCW Rcv Date:**

**Source:**

Shallow

**Pump Type:**

**Pipe Discharge Size:**

**Estimated Yield:**

**Casing Size:**

7.00

**Depth Well:**

708

**Depth Water:**

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

12/19/24 12:48 PM MST

Point of Diversion Summary

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APPENDIX B

Photographic Log







## APPENDIX C

### Laboratory Analytical Reports & Chain of Custody Documentation

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

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January 13, 2025

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

RE: STERLING SILVER 33 FED 3 CTB

Enclosed are the results of analyses for samples received by the laboratory on 01/07/25 16:03.

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:	01/07/2025	Sampling Date:	01/07/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	STERLING SILVER 33 FED 3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: DS 01 0.25' (H250067-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2025	ND	1.66	83.2	2.00	3.27	
Toluene*	<0.050	0.050	01/08/2025	ND	1.78	88.9	2.00	2.42	
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	1.71	85.3	2.00	2.07	
Total Xylenes*	<0.150	0.150	01/08/2025	ND	4.98	83.0	6.00	1.93	
Total BTEX	<0.300	0.300	01/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/08/2025	ND	416	104	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	01/09/2025	ND	171	85.7	200	7.39	
DRO >C10-C28*	<10.0	10.0	01/09/2025	ND	165	82.3	200	10.5	
EXT DRO >C28-C36	<10.0	10.0	01/09/2025	ND					

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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:	01/07/2025	Sampling Date:	01/07/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	STERLING SILVER 33 FED 3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: DS 02 0.25' (H250067-02)**

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	01/08/2025	ND	1.66	83.2	2.00	3.27		
Toluene*	<0.050	0.050	01/08/2025	ND	1.78	88.9	2.00	2.42		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	1.71	85.3	2.00	2.07		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	4.98	83.0	6.00	1.93		
Total BTEX	<0.300	0.300	01/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/08/2025	ND	416	104	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	01/09/2025	ND	171	85.7	200	7.39		
DRO >C10-C28*	<10.0	10.0	01/09/2025	ND	165	82.3	200	10.5		
EXT DRO >C28-C36	<10.0	10.0	01/09/2025	ND						

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	01/07/2025	Sampling Date:	01/07/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	STERLING SILVER 33 FED 3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: DS 03 0.25' (H250067-03)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2025	ND	1.66	83.2	2.00	3.27		
Toluene*	<0.050	0.050	01/08/2025	ND	1.78	88.9	2.00	2.42		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	1.71	85.3	2.00	2.07		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	4.98	83.0	6.00	1.93		
Total BTEX	<0.300	0.300	01/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/08/2025	ND	416	104	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	01/09/2025	ND	171	85.7	200	7.39		
DRO >C10-C28*	<10.0	10.0	01/09/2025	ND	165	82.3	200	10.5		
EXT DRO >C28-C36	<10.0	10.0	01/09/2025	ND						

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 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:	01/07/2025	Sampling Date:	01/07/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	STERLING SILVER 33 FED 3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: DS 04 0.25' (H250067-04)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2025	ND	1.66	83.2	2.00	3.27		
Toluene*	<0.050	0.050	01/08/2025	ND	1.78	88.9	2.00	2.42		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	1.71	85.3	2.00	2.07		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	4.98	83.0	6.00	1.93		
Total BTEX	<0.300	0.300	01/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/08/2025	ND	416	104	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	01/09/2025	ND	171	85.7	200	7.39		
DRO >C10-C28*	<10.0	10.0	01/09/2025	ND	165	82.3	200	10.5		
EXT DRO >C28-C36	<10.0	10.0	01/09/2025	ND						

Surrogate: 1-Chlorooctane 73.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	01/07/2025	Sampling Date:	01/07/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	STERLING SILVER 33 FED 3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: DS 05 0.25' (H250067-05)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2025	ND	1.66	83.2	2.00	3.27		
Toluene*	<0.050	0.050	01/08/2025	ND	1.78	88.9	2.00	2.42		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	1.71	85.3	2.00	2.07		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	4.98	83.0	6.00	1.93		
Total BTEX	<0.300	0.300	01/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/08/2025	ND	416	104	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	01/09/2025	ND	171	85.7	200	7.39		
DRO >C10-C28*	<10.0	10.0	01/09/2025	ND	165	82.3	200	10.5		
EXT DRO >C28-C36	<10.0	10.0	01/09/2025	ND						

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.3 % 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  
 SAMANTHA MACKENZIE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	01/07/2025	Sampling Date:	01/07/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	STERLING SILVER 33 FED 3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: DS 06 0.25' (H250067-06)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/08/2025	ND	1.66	83.2	2.00	3.27		
Toluene*	<0.050	0.050	01/08/2025	ND	1.78	88.9	2.00	2.42		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	1.71	85.3	2.00	2.07		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	4.98	83.0	6.00	1.93		
Total BTEX	<0.300	0.300	01/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/08/2025	ND	416	104	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	01/09/2025	ND	171	85.7	200	7.39		
DRO >C10-C28*	<10.0	10.0	01/09/2025	ND	165	82.3	200	10.5		
EXT DRO >C28-C36	<10.0	10.0	01/09/2025	ND						

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- 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.
BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Ensolum, LLC

Project Manager: Samantha Mackenzie

Address: 601 N Marientfeld Street, Suite 400

City: Midland State: TX Zip: 79701

Phone #: 703-357-3545 Fax #: Project Owner:

Project #: 03B1417248 Project Location: Sterling Silver 33 Fed 3 CTB

Project Name: Eddy County, NM

Sampler Name: Noah Duker

P.O. #: Attn: Wade Ditrich

Address: City: State: Zip:

Phone #: Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			
11850007	1793	0.25'	G	1	X	X	X	X	X	X	X	1/7/24	1322	BTEX 8021
	1794	0.25'	G	1	X	X	X	X	X	X	X	1/7/24	1324	TPH 8015
	1795	0.25'	G	1	X	X	X	X	X	X	X	1/7/24	1326	Chlorides 4500
	1796	0.25'	G	1	X	X	X	X	X	X	X	1/7/24	1328	
	1797	0.25'	G	1	X	X	X	X	X	X	X	1/7/24	1329	

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Relinquished By: *Wade Ditrich*

Date: 1-7-25

Received By: *AP*

Relinquished By: *Wade Ditrich*

Date: 1-7-25

Received By: *AP*

Delivered By: (Circle One)

Observed Temp. °C: 30°C

Sample Condition: Cool Intact  Yes  No

CHECKED BY: (Initials) *AP*

Turnaround Time: Standard  Rush

Bacteria (only)  Cool Intact  Yes  No

Sample Condition: Observed Temp. °C: Corrected Temp. °C:

Sampler - UPS - Bus - Other:

Corrected Temp. °C: 33°C

Sample Condition: Cool Intact  Yes  No

CHECKED BY: (Initials) *AP*

Turnaround Time: Standard  Rush

Bacteria (only)  Cool Intact  Yes  No

Sample Condition: Observed Temp. °C: Corrected Temp. °C:

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



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

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February 24, 2025

SAMANTHA MACKENZIE

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: STERLING SILVER 33 FED 3 CTB

Enclosed are the results of analyses for samples received by the laboratory on 02/18/25 15:11.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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:	02/18/2025	Sampling Date:	02/17/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	STERLING SILVER 33 FED 3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: CS 02 5' (H250969-01)**

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	02/19/2025	ND	2.09	105	2.00	0.0285	
Toluene*	<0.050	0.050	02/19/2025	ND	2.21	111	2.00	0.913	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.27	114	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.95	116	6.00	1.30	
Total BTEX	<0.300	0.300	02/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/19/2025	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	02/19/2025	ND	183	91.4	200	2.38	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	181	90.5	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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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:	02/18/2025	Sampling Date:	02/17/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	STERLING SILVER 33 FED 3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: CS 04 3' (H250969-02)**

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	02/19/2025	ND	2.09	105	2.00	0.0285	
Toluene*	<0.050	0.050	02/19/2025	ND	2.21	111	2.00	0.913	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.27	114	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	6.95	116	6.00	1.30	
Total BTEX	<0.300	0.300	02/19/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/19/2025	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	02/19/2025	ND	183	91.4	200	2.38	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	181	90.5	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/18/2025	Sampling Date:	02/17/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	STERLING SILVER 33 FED 3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: CS 05 3' (H250969-03)**

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	02/20/2025	ND	2.09	105	2.00	0.0285	
Toluene*	<0.050	0.050	02/20/2025	ND	2.21	111	2.00	0.913	
Ethylbenzene*	<0.050	0.050	02/20/2025	ND	2.27	114	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/20/2025	ND	6.95	116	6.00	1.30	
Total BTEX	<0.300	0.300	02/20/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/19/2025	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	02/19/2025	ND	183	91.4	200	2.38	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	181	90.5	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

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**Analytical Results For:**

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

Received:	02/18/2025	Sampling Date:	02/17/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	STERLING SILVER 33 FED 3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: CS 06 3' (H250969-04)**

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	02/20/2025	ND	2.09	105	2.00	0.0285	
Toluene*	<0.050	0.050	02/20/2025	ND	2.21	111	2.00	0.913	
Ethylbenzene*	<0.050	0.050	02/20/2025	ND	2.27	114	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/20/2025	ND	6.95	116	6.00	1.30	
Total BTEX	<0.300	0.300	02/20/2025	ND					

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

Chloride, SM4500CI-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	02/19/2025	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	02/19/2025	ND	183	91.4	200	2.38	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	181	90.5	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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**Analytical Results For:**

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

Received:	02/18/2025	Sampling Date:	02/17/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	STERLING SILVER 33 FED 3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: CS 08 3' (H250969-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2025	ND	2.09	105	2.00	0.0285	
Toluene*	<0.050	0.050	02/20/2025	ND	2.21	111	2.00	0.913	
Ethylbenzene*	<0.050	0.050	02/20/2025	ND	2.27	114	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/20/2025	ND	6.95	116	6.00	1.30	
Total BTEX	<0.300	0.300	02/20/2025	ND					

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

Chloride, SM4500CI-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	02/19/2025	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	02/19/2025	ND	183	91.4	200	2.38	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	181	90.5	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 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:	02/18/2025	Sampling Date:	02/18/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	STERLING SILVER 33 FED 3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: CS 01 5' (H250969-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2025	ND	2.09	105	2.00	0.0285	
Toluene*	<0.050	0.050	02/20/2025	ND	2.21	111	2.00	0.913	
Ethylbenzene*	<0.050	0.050	02/20/2025	ND	2.27	114	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/20/2025	ND	6.95	116	6.00	1.30	
Total BTEX	<0.300	0.300	02/20/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/19/2025	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	02/19/2025	ND	183	91.4	200	2.38	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	181	90.5	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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**Analytical Results For:**

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

Received:	02/18/2025	Sampling Date:	02/18/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	STERLING SILVER 33 FED 3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: CS 03 6' (H250969-07)**

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	02/20/2025	ND	2.09	105	2.00	0.0285	
Toluene*	<0.050	0.050	02/20/2025	ND	2.21	111	2.00	0.913	
Ethylbenzene*	<0.050	0.050	02/20/2025	ND	2.27	114	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/20/2025	ND	6.95	116	6.00	1.30	
Total BTEX	<0.300	0.300	02/20/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	02/19/2025	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	02/19/2025	ND	183	91.4	200	2.38	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	181	90.5	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 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:	02/18/2025	Sampling Date:	02/18/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	STERLING SILVER 33 FED 3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: CS 07 6' (H250969-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2025	ND	2.09	105	2.00	0.0285	
Toluene*	<0.050	0.050	02/20/2025	ND	2.21	111	2.00	0.913	
Ethylbenzene*	<0.050	0.050	02/20/2025	ND	2.27	114	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/20/2025	ND	6.95	116	6.00	1.30	
Total BTEX	<0.300	0.300	02/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-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	02/19/2025	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	02/19/2025	ND	183	91.4	200	2.38	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	181	90.5	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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**Analytical Results For:**

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

Received:	02/18/2025	Sampling Date:	02/18/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	STERLING SILVER 33 FED 3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: SW 01 0-6' (H250969-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2025	ND	2.09	105	2.00	0.0285	
Toluene*	<0.050	0.050	02/20/2025	ND	2.21	111	2.00	0.913	
Ethylbenzene*	<0.050	0.050	02/20/2025	ND	2.27	114	2.00	1.08	
Total Xylenes*	<0.150	0.150	02/20/2025	ND	6.95	116	6.00	1.30	
Total BTEX	<0.300	0.300	02/20/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/19/2025	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	02/19/2025	ND	183	91.4	200	2.38	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	181	90.5	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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**Analytical Results For:**

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

Received:	02/18/2025	Sampling Date:	02/18/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	STERLING SILVER 33 FED 3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: SW 02 0-5' (H250969-10)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	0.127	
Toluene*	<0.050	0.050	02/19/2025	ND	2.35	117	2.00	0.253	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.46	123	2.00	0.134	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.35	123	6.00	0.836	
Total BTEX	<0.300	0.300	02/19/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/19/2025	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	02/19/2025	ND	183	91.4	200	2.38	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	181	90.5	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 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:	02/18/2025	Sampling Date:	02/18/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	STERLING SILVER 33 FED 3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: SW 03 0-3' (H250969-11)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	0.127	
Toluene*	<0.050	0.050	02/19/2025	ND	2.35	117	2.00	0.253	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.46	123	2.00	0.134	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.35	123	6.00	0.836	
Total BTEX	<0.300	0.300	02/19/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/19/2025	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	02/19/2025	ND	183	91.4	200	2.38	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	181	90.5	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 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:	02/18/2025	Sampling Date:	02/18/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	STERLING SILVER 33 FED 3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: SW 04 0-3' (H250969-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	0.127	
Toluene*	<0.050	0.050	02/19/2025	ND	2.35	117	2.00	0.253	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.46	123	2.00	0.134	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.35	123	6.00	0.836	
Total BTEX	<0.300	0.300	02/19/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/19/2025	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	02/19/2025	ND	183	91.4	200	2.38	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	181	90.5	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/18/2025	Sampling Date:	02/18/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	STERLING SILVER 33 FED 3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: SW 05 0-1' (H250969-13)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	0.127	
Toluene*	<0.050	0.050	02/19/2025	ND	2.35	117	2.00	0.253	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.46	123	2.00	0.134	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.35	123	6.00	0.836	
Total BTEX	<0.300	0.300	02/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-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	02/19/2025	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	02/19/2025	ND	183	91.4	200	2.38	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	181	90.5	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 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:	02/18/2025	Sampling Date:	02/18/2025
Reported:	02/24/2025	Sampling Type:	Soil
Project Name:	STERLING SILVER 33 FED 3 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

**Sample ID: SW 06 0-1' (H250969-14)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2025	ND	2.15	108	2.00	0.127	
Toluene*	<0.050	0.050	02/19/2025	ND	2.35	117	2.00	0.253	
Ethylbenzene*	<0.050	0.050	02/19/2025	ND	2.46	123	2.00	0.134	
Total Xylenes*	<0.150	0.150	02/19/2025	ND	7.35	123	6.00	0.836	
Total BTEX	<0.300	0.300	02/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/19/2025	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	02/19/2025	ND	183	91.4	200	2.38	
DRO >C10-C28*	<10.0	10.0	02/19/2025	ND	181	90.5	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	02/19/2025	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Ensolum, LLC  
 Project Manager: Rebecca Jennings Samantha Mackenzie  
 Address: 601 N. Marlenfeld St. STE 400  
 City: Midland State: TX Zip: 79701  
 Phone #: 210-210-8868 705-573-3471 Fax #:  
 Project #: 03B1417248 Project Owner:  
 Project Name: Stirling Silver 33 Fed 3 CTB  
 Project Location: Eddy County  
 Sampler Name: Tabitha Guadian  
 P.O. #: Company: Oxy USA, Inc.  
 Attn: Wade Dittich  
 Address: City: State: Zip:  
 Phone #: 575-390-2828  
 Fax #:

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)MOP	# CONTAINERS	MATRIX						DATE	TIME	BTEX 8021	TPH 8015	Chloride 4500
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
HA509468	CS02	5'	C1	1	X						21/8/25	1338	X	X	X
	CS04	3'	C1	1	X						21/7/25	1224	X	X	X
	CS05	3'	C1	1	X						21/7/25	1020	X	X	X
	CS06	3'	C1	1	X						21/7/25	1024	X	X	X
	CS08	1'	C1	1	X						21/8/25	1146	X	X	X
	CS01	5'	C1	1	X						21/8/25	1148	X	X	X
	CS03	6'	C1	1	X						21/8/25	1150	X	X	X
	CS07	6'	C1	1	X						21/8/25	1152	X	X	X
	SW061	0-6'	C1	1	X						21/8/25	1154	X	X	X
	SW02	0-5'	C1	1	X						21/8/25	1154	X	X	X

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Relinquished By: [Signature] Date: 2/18/25 Received By: [Signature]  
 Time: 15:11  
 Date: 2/18/25 Received By: [Signature]  
 Time:

Delivered By: (Circle One) Observed Temp. °C 0.32 Sample Condition Cool Intact  Bacteria (only)   
 Sampler - UPS - Bus - Other: Corrected Temp. °C 0.32 Cool Intact  Bacteria (only)   
 Turnaround Time: AP 2:15 PM Standard  Bacteria (only)   
 Thermometer ID # 413740 Rush Cool Intact  Observed Temp. °C  
 Correction Factor -0.5°C + 0.3  No  Yes Corrected Temp. °C

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

REMARKS: Bennings@ensolum.com ts S Mackenzie@ensolum.com  
 Verbal Result:  Yes  No Add'l Phone #:  
 All Results are emailed. Please provide Email address:



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

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Ensolum, LLC		P.O. #:		ANALYSIS REQUEST													
Project Manager: <del>Beate Jennings</del> Samantha Mackenzie		Company: Oxy USA, Inc.															
Address: 601 N. Marlenfeld St. STE 400		Attn: Wade Dittich															
City: Midland		Address:															
Phone #: 214-249-8888 703-557-5345		City:															
Project #: 03B1417248		State:															
Project Name: Sterling Silver 83 Fed 3 CTB		Zip:															
Project Location: Eddy County		Phone #: 575-390-2828															
Sampler Name: Tabitha Guadian		Fax #:															
FOR LAB USE ONLY		PRESERV		SAMPLING													
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	DATE	TIME	BTEX	TPH	Chlorides							
HA50918	SW03	0-3'	C 1	1	SOIL	2/18/25	1156	X	X	X							
12	SW04	0-3'	C 1	1	SOIL	2/18/25	1158	X	X	X							
13	SW05	0-1'	C 1	1	SOIL	2/18/25	1200	X	X	X							
14	SW06	0-1'	C 1	1	SOIL	2/18/25	1202	X	X	X							

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Relinquished By: [Signature] Date: 2/18/25  
 Received By: [Signature] Date: 2/18/25  
 Verbal Result:  Yes  No Add'l Phone #:  
 All Results are emailed. Please provide Email address:  
 REMARKS: ~~Beate Jennings~~ smackenzie@ensolum.com

Delivered By: (Circle One) Observed Temp. °C: 0.3°  
 Corrected Temp. °C: 0.0°  
 Sample Condition: Cool Intact  Yes  No  
 Checked By: [Signature]  
 Turnaround Time: Standard  Rush   
 Bacteria (only) Sample Condition: Cool Intact  Yes  No  
 Corrected Temp. °C: [Blank]



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

---

March 04, 2025

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

RE: TWIN WELLS RANCH BUCK JACKSON PIT

Enclosed are the results of analyses for samples received by the laboratory on 03/03/25 16:38.

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". The signature is written in a cursive style.

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:	03/03/2025	Sampling Date:	03/03/2025
Reported:	03/04/2025	Sampling Type:	Soil
Project Name:	TWIN WELLS RANCH BUCK JACKSON PIT	Sampling Condition:	Cool & Intact
Project Number:	03B1417248	Sample Received By:	Alyssa Parras
Project Location:	OXY - LOVING COUNTY, NM		

**Sample ID: TWIN WELLS RANCH BUCK JACKSON PIT (H251265-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2025	ND	2.02	101	2.00	0.127	
Toluene*	<0.050	0.050	03/03/2025	ND	2.10	105	2.00	0.0621	
Ethylbenzene*	<0.050	0.050	03/03/2025	ND	2.02	101	2.00	0.0935	
Total Xylenes*	<0.150	0.150	03/03/2025	ND	5.92	98.7	6.00	0.00143	
Total BTEX	<0.300	0.300	03/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 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	03/04/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2025	ND	194	97.0	200	3.72	
DRO >C10-C28*	<10.0	10.0	03/04/2025	ND	187	93.3	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	03/04/2025	ND					

Surrogate: 1-Chlorooctane 87.2 % 71.8-148

Surrogate: 1-Chlorooctadecane 87.4 % 63.9-155

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Celey D. Keene, Lab Director/Quality Manager



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**Notes and Definitions**

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

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Celey D. Keene, Lab Director/Quality Manager





APPENDIX D

NMOCD Correspondence

**From:** [Hamlet, Robert, EMNRD](#)  
**To:** [Samantha MacKenzie](#)  
**Cc:** "[Dittrich, John W.](#)"; [Bratcher, Michael, EMNRD](#); [Rodgers, Scott, EMNRD](#)  
**Subject:** (Extension Approval) - Sterling Silver 33 Fed 3 CTB (NAPP2435236546)  
**Date:** Friday, February 28, 2025 9:51:49 AM  
**Attachments:** [image006.png](#)  
[image007.png](#)  
[image008.png](#)

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

Samantha,

OCD Permitting has been revamped recently and automatically defaults to 90 days for a Remediation Closure Report Extension, which this appears to be. An extension to **May 29th, 2025** is approved. Please include this e-mail correspondence in the Remediation Closure Report.

Regards,

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



---

**From:** Rodgers, Scott, EMNRD <[Scott.Rodgers@emnrd.nm.gov](mailto:Scott.Rodgers@emnrd.nm.gov)>  
**Sent:** Thursday, February 27, 2025 3:00 PM  
**To:** Hamlet, Robert, EMNRD <[Robert.Hamlet@emnrd.nm.gov](mailto:Robert.Hamlet@emnrd.nm.gov)>  
**Cc:** Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>  
**Subject:** FW: [EXTERNAL] Extension Request Sterling Silver 33 Fed 3 CTB (NAPP2435236546)

**Scott Rodgers** • Environmental Specialist – Adv.  
Environmental Bureau  
EMNRD - Oil Conservation Division  
5200 Oakland NE, Suite B | Albuquerque, NM 87113

505.469.1830 | [scott.rodgers@emnrd.nm.gov](mailto:scott.rodgers@emnrd.nm.gov)

<http://www.emnrd.nm.gov/oed>



---

**From:** Samantha MacKenzie <[smackenzie@ensolum.com](mailto:smackenzie@ensolum.com)>

**Sent:** Thursday, February 27, 2025 12:12 PM

**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>

**Cc:** Dittrich, John W <[Wade\\_Dittrich@oxy.com](mailto:Wade_Dittrich@oxy.com)>; [camorgan@blm.gov](mailto:camorgan@blm.gov)

**Subject:** [EXTERNAL] Extension Request Sterling Silver 33 Fed 3 CTB (NAPP2435236546)

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

Hello,

On behalf of Oxy USA, Inc, Ensolum, LLC would like to request a 30-day extension for the

Due to delays in scheduling with contractors and various team members, excavation activities at the Site have just recently been completed to meet the Closure Criteria Limits specific to this location. The site has been fully remediated. We will begin the drafting the Closure for this Site. Therefore, we humbly ask for an extension so that we may complete the report and so it can be thoroughly reviewed before submitting the final copy to the portal. Please let us know if you have any questions.

Thank you so much for your time!



**Samantha MacKenzie**

Staff Geologist

703-357-3545

Ensolum, LLC

in f X

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

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Phone: (505) 629-6116

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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 448621

**QUESTIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 448621
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2435236546
Incident Name	NAPP2435236546 STERLING SILVER 33 FEDERAL 3 CTB @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

**Location of Release Source**

*Please answer all the questions in this group.*

Site Name	Sterling Silver 33 Federal 3 CTB
Date Release Discovered	12/13/2024
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: Human Error   Flow Line - Production   Produced Water   Released: 6 BBL   Recovered: 0 BBL   Lost: 6 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 448621

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 448621
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>No</b>
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

**Initial Response**

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.*

The source of the release has been stopped	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

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

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

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 04/03/2025
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QUESTIONS, Page 3

Action 448621

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 448621
	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 500 and 1000 (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)	Greater than 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	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 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	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	176
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	01/07/2025
On what date will (or did) the final sampling or liner inspection occur	02/18/2025
On what date will (or was) the remediation complete(d)	05/03/2025
What is the estimated surface area (in square feet) that will be reclaimed	1721
What is the estimated volume (in cubic yards) that will be reclaimed	400
What is the estimated surface area (in square feet) that will be remediated	1721
What is the estimated volume (in cubic yards) that will be remediated	400

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

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

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QUESTIONS, Page 4

Action 448621

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 448621
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Remediation Plan (continued)**

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

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

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 04/03/2025
--	---

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 448621

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 448621
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

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QUESTIONS, Page 6

Action 448621

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 448621
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>431063</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>02/18/2025</b>
What was the (estimated) number of samples that were to be gathered	<b>15</b>
What was the sampling surface area in square feet	<b>1749</b>

<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	1721
What was the total volume (cubic yards) remediated	400
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	1721
What was the total volume (in cubic yards) reclaimed	400
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: 04/03/2025
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QUESTIONS, Page 7

Action 448621

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 448621
	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 448621

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 448621
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2435236546 STERLING SILVER 33 FEDERAL 3 CTB, thank you. This Remediation Closure Report is approved.	4/4/2025