



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

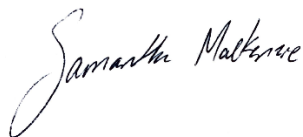
Site assessment and remediation activities were conducted at the Site to address the December 13, 2024 produced water release. Laboratory analytical results for the assessment and excavation activities indicated all COC concentrations were compliant with the Site Closure Criteria. Based on the laboratory 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.

Sincerely,
Ensolum, LLC



Samantha MacKenzie
Staff Geologist



Beaux Jennings
Associate Principal

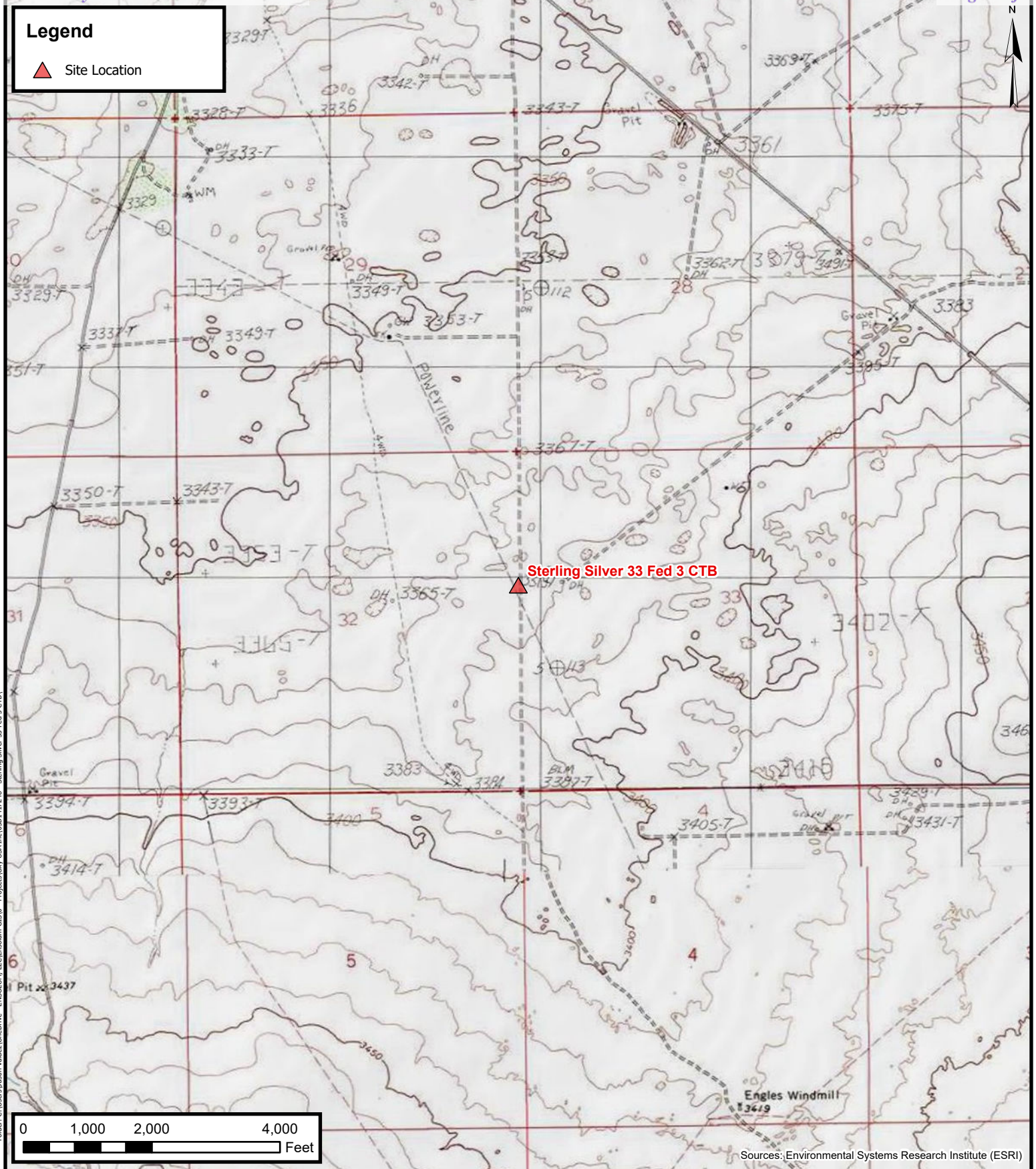
cc: Wade Dittrich, Oxy USA Inc.
Bureau of Land Management Office

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



Topographic Map

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

FIGURE

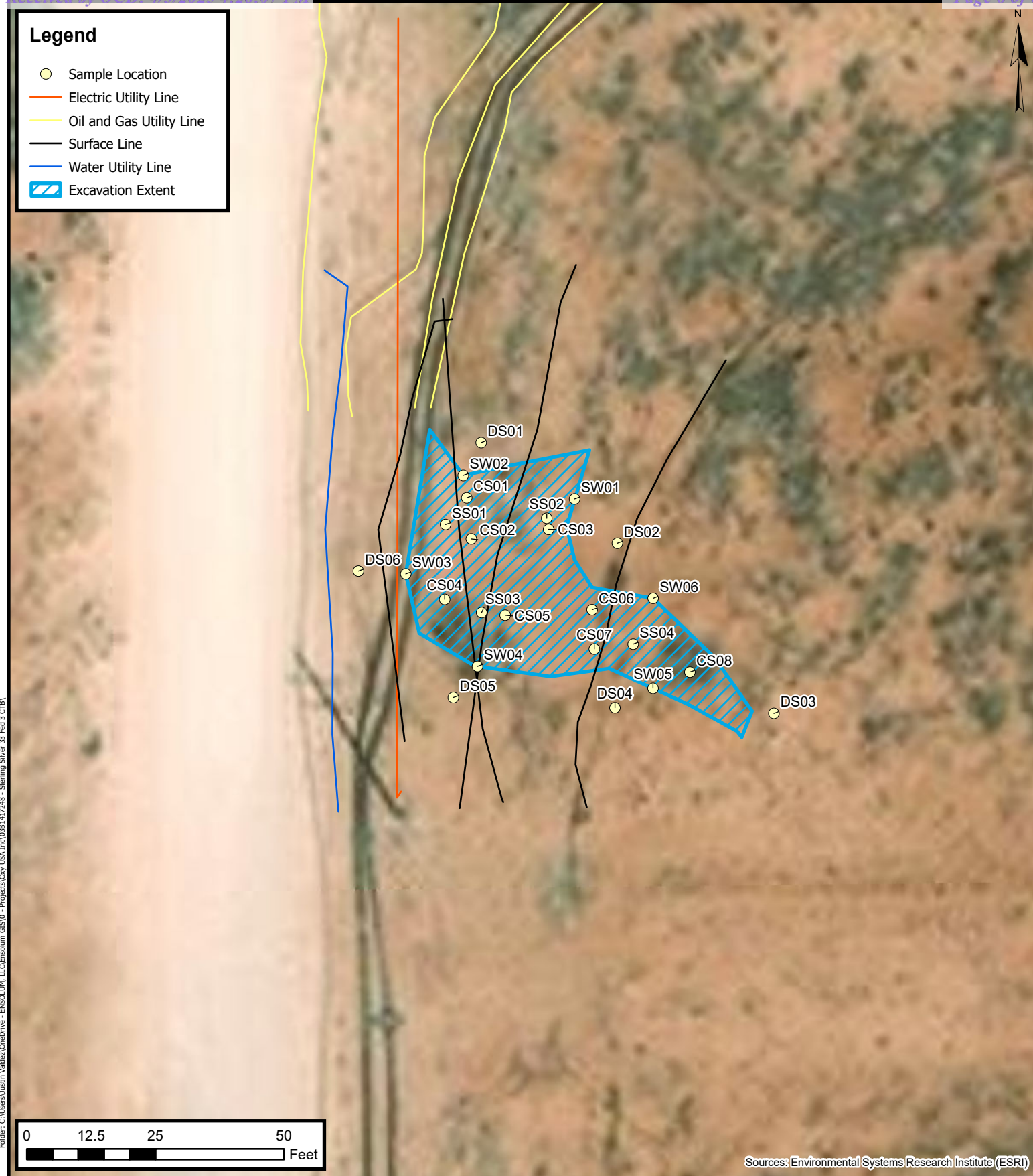
1



Site Vicinity Map

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

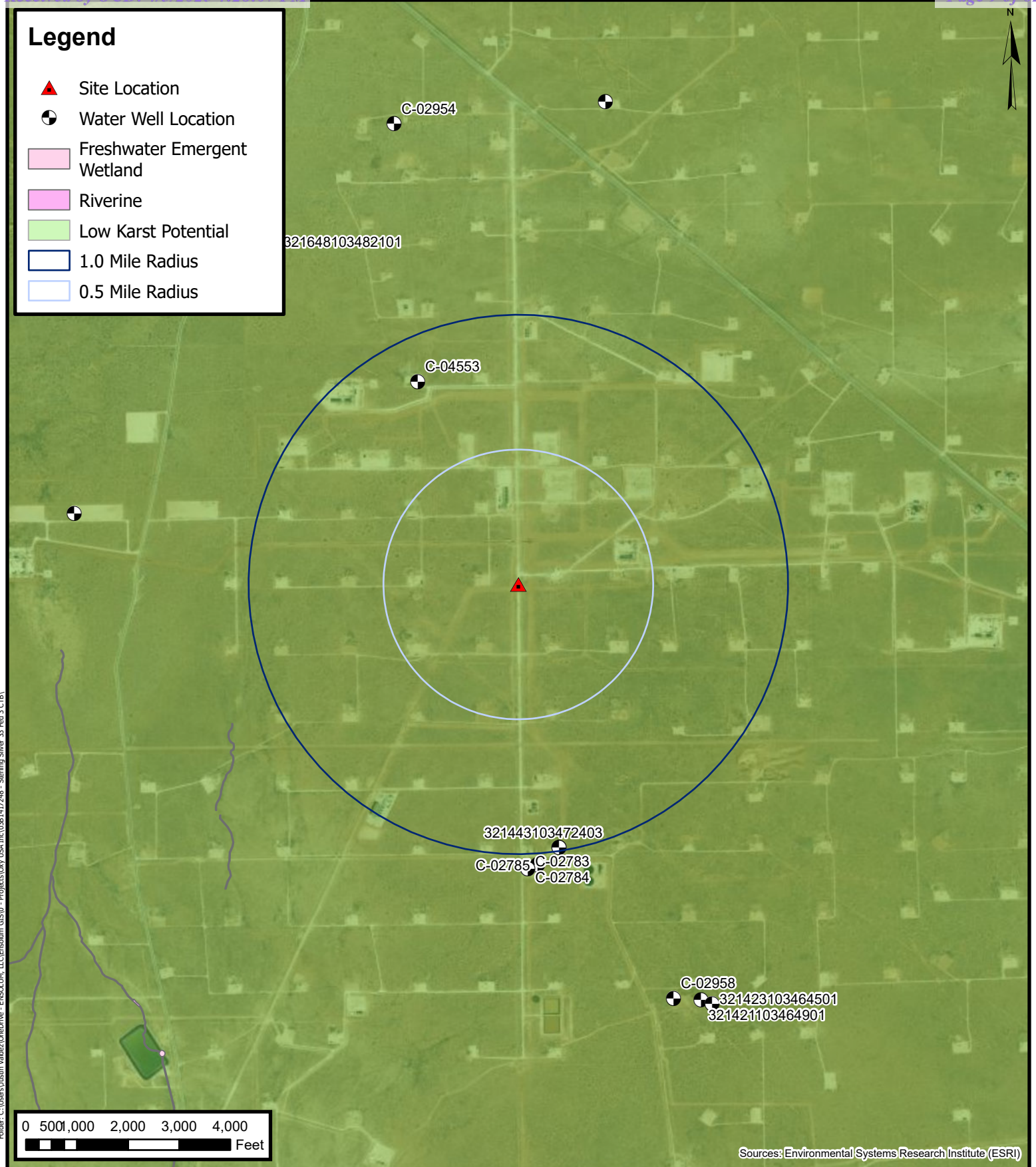
FIGURE
2



ENSOLUM
Environmental, Engineering and
Hydrogeologic Consultants

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

FIGURE
3



ENSOLUM
Environmental, Engineering and
Hydrogeologic Consultants

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



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

FIGURE
1



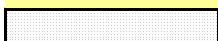
TABLES



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 |
| Composite Soil Sample Analytical Results | | | | |
| SS01 | 01/07/2025 | 0.25 | 4.1 | 9,475 |
| | 01/07/2025 | 1 | 0.1 | 5,017 |
| SS02 | 01/07/2025 | 0.25 | 2.0 | 2,161 |
| | 01/07/2025 | 1 | 0.2 | 4,245 |
| SS03 | 01/07/2025 | 0.25 | 30.1 | 10,264 |
| | 01/07/2025 | 1 | 0.7 | 6,910 |
| SS04 | 01/07/2025 | 0.25 | 77.3 | 6,910 |
| | 01/07/2025 | 1 | 0.6 | 3,892 |
| 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 (≤ 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



| TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS 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) |
| NMOCD Table I Closure Criteria (NMAC 19.15.29) | | | 10 | 50 | NE | NE | NE | 100 | 600 |
| Delineation Soil Sample Analytical Results | | | | | | | | | |
| DS01 | 1/7/2025 | 0.25 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 16.0 |
| 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 | 16.0 |
| DS04 | 1/7/2025 | 0.25 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 16.0 |
| DS05 | 1/7/2025 | 0.25 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 32.0 |
| DS06 | 1/7/2025 | 0.25 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | <16.0 |
| Confirmation Soil Sample Analytical Results | | | | | | | | | |
| CS01 | 2/17/2025 | 3 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 80.0 |
| CS02 | 2/17/2025 | 5 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 176 |
| CS03 | 2/17/2025 | 6 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 64.0 |
| CS04 | 2/17/2025 | 3 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 32.0 |
| CS05 | 2/17/2025 | 3 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 32.0 |
| CS06 | 2/17/2025 | 3 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 16.0 |
| CS07 | 2/17/2025 | 6 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 16.0 |
| CS08 | 2/17/2025 | 3 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 16.0 |
| Delineation Sidewall Soil Sample Analytical Results | | | | | | | | | |
| SW01 | 2/18/2025 | 0-6 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 96.0 |
| SW02 | 2/18/2025 | 0-5 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 80.0 |
| SW03 | 2/18/2025 | 0-3 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 80.0 |
| SW04 | 2/18/2025 | 0-3 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 96.0 |
| SW05 | 2/18/2025 | 0-1 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 16.0 |
| SW06 | 2/18/2025 | 0-1 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 64.0 |

Notes:

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

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) |
|---|------------|------------------|-----------------|-----------------|----------------------|-----------------------|--------------------|-----------------|-----------------|-----------------|---------------------------------|------------------|
| New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet) | | | 10 | NE | NE | NE | 50 | NE | NE | NE | 100 | 600 |
| Composite Background Soil Sample Analytical Result | | | | | | | | | | | | |
| 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

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.



APPENDIX B

Photographic Log



Photographic Log

Oxy USA, Inc

Sterling Silver 33 Fed 3 CTB

Incident ID: NAPP2435236546



Photograph: 1
Description: Ruptured Polyline
View: East

Date: 1/7/2025



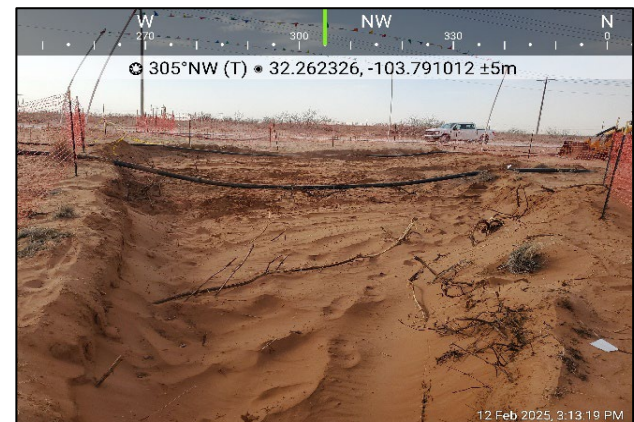
Photograph: 2
Description: Soil staining in release footprint
View: Northeast

Date: 1/7/2025



Photograph: 3
Description: Soil staining in release footprint
View: Northwest

Date: 1/7/2025



Photograph: 4
Description: Excavation
View: Northwest

Date: 2/12/2025



Photographic Log

Oxy USA, Inc

Sterling Silver 33 Fed 3 CTB

Incident ID: NAPP2435236546



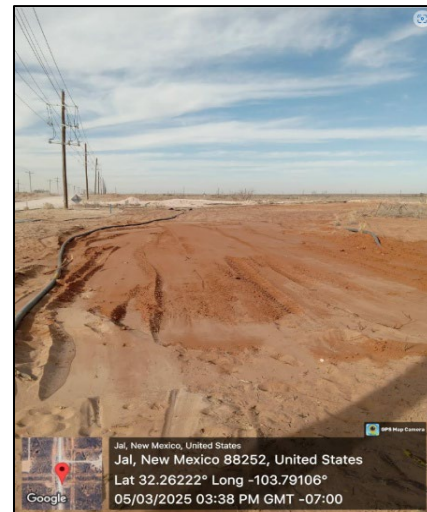
Photograph: 5 Date: 2/17/2025
Description: Excavation
View: Northwest



Photograph: 6 Date: 2/18/2025
Description: Excavation
View: Southwest



Photograph: 7 Date: 3/5/2025
Description: Backfill
View: South



Photograph: 8 Date: 3/5/2025
Description: Backfill
View: North



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



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

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.

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, SM4500Cl-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, SM4500Cl-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



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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, SM4500Cl-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



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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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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: | 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, SM4500Cl-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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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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A handwritten signature in black ink, appearing to read "C. 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: Samantha Mackenzie | | | | P.O. #: | | | | | | | | | | | | | | | | |
| Address: 601 N Marlenfeld Street, Suite 400 | | | | Attn: Wade Dietrich | | | | | | | | | | | | | | | | |
| City: Midland | | | | State: TX | | | | Zip: 79701 | | | | | | | | | | | | |
| Phone #: 703-357-3545 | | | | Fax #: | | | | Address: | | | | | | | | | | | | |
| Project #: 03B1417248 | | | | Project Owner: | | | | City: | | | | | | | | | | | | |
| Project Name: Sterling Silver 33 Fed 3 CTB | | | | State: | | | | Zip: | | | | | | | | | | | | |
| Project Location: Eddy County, NM | | | | Phone # | | | | Fax #: | | | | | | | | | | | | |
| Sampler Name: Noah Duker | | | | PRESERV | | | | SAMPLING | | | | | | | | | | | | |
| <small>FOR LAB USE ONLY</small> | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | Depth (feet) | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | ACID/BASE: | ICE / COOL | OTHER : | DATE | TIME | | | | | | | | | | |
| H350007 | 1 | 0.25' | G | 1 | X | | X | | 1/7/24 | 1308 | X | X | X | X | X | X | X | X | X | X |
| | 2 | 0.25' | G | 1 | X | | X | | 1/7/24 | 1322 | X | X | X | X | X | X | X | X | X | X |
| | 3 | 0.25' | G | 1 | X | | X | | 1/7/24 | 1324 | X | X | X | X | X | X | X | X | X | X |
| | 4 | 0.25' | G | 1 | X | | X | | 1/7/24 | 1326 | X | X | X | X | X | X | X | X | X | X |
| | 5 | 0.25' | G | 1 | X | | X | | 1/7/24 | 1329 | X | X | X | X | X | X | X | X | X | X |
| NTE | | 40 | 17104 | | | | | | | | | | | | | | | | | |
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| Relinquished By: <i>Willow Bury</i> | | | | Date: 1-7-25 | | | | Received By: <i>AP</i> | | | | Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: | | | | | | | | |
| Relinquished By: | | | | Date: 1/10/23 | | | | Received By: | | | | All Results are emailed. Please provide Email address: | | | | | | | | |
| Time: | | | | Time: | | | | Time: | | | | REMARKS: | | | | | | | | |
| Delivered By: (Circle One) | | | | Observed Temp. °C | | | | Sample Condition | | | | CHECKED BY: | | | | Turnaround Time: | | | | |
| Sampler - UPS - Bus - Other: | | | | Corrected Temp. °C | | | | Cool Intact | | | | (Initials) | | | | Standard | | | | |
| | | | | 33.2 | | | | Yes | | | | AP | | | | Rush | | | | |
| | | | | | | | | No | | | | | | | | Bacteria (only) | | | | |
| | | | | | | | | No | | | | | | | | Cool Intact | | | | |
| | | | | | | | | No | | | | | | | | Yes | | | | |
| | | | | | | | | No | | | | | | | | Observed Temp. °C | | | | |
| | | | | | | | | No | | | | | | | | 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

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.

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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

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

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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, 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 | 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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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, 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 | 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
 Reported: 02/24/2025
 Project Name: STERLING SILVER 33 FED 3 CTB
 Project Number: 03B1417248
 Project Location: OXY - EDDY CO NM

Sampling Date: 02/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

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, 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 | 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)

| BTX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 BTX | <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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Analytical Results For:

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 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, SM4500Cl-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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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, SM4500Cl-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 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 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: 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

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
 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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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 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, SM4500Cl-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



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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 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, SM4500Cl-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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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, SM4500Cl-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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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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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, SM4500Cl-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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 17 of 18



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 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)

| BTX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|---------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 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 BTX | <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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 4



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](#)

You don't often get email from robert.hamlet@emnrd.nm.gov. [Learn why this is important](#)

[**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
<http://www.emnrd.state.nm.us/OCD/>



From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Thursday, February 27, 2025 3:00 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <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
<http://www.emnrd.nm.gov/oed>



From: Samantha MacKenzie <smackenzie@ensolum.com>
Sent: Thursday, February 27, 2025 12:12 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Dittrich, John W <Wade_Dittrich@oxy.com>; camorgan@blm.gov
Subject: [EXTERNAL] Extension Request Sterling Silver 33 Fed 3 CTB (NAPP2435236546)

You don't often get email from smackenzie@ensolum.com. [Learn why this is important](#)

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
inf X

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 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

| | |
|------------------|---|
| Prerequisites | |
| 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

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

Initial Response

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

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

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

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

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

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

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 | |
| <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 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 |
| What is the minimum distance, between the closest lateral extents of the release and the following surface areas: | |
| A continuously flowing watercourse or any other significant watercourse | Between 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 | |
| <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 |
| 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 |
| <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 | 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 |
| <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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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

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) | |
| <i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i> | |
| This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants: | |
| <i>(Select all answers below that apply.)</i> | |
| (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) | Yes |
| Which OCD approved facility will be used for off-site disposal | LEA LAND LANDFILL [fEEM0112342028] |
| OR which OCD approved well (API) will be used for off-site disposal | Not answered. |
| OR is the off-site disposal site, to be used, out-of-state | Not answered. |
| OR is the off-site disposal site, to be used, an NMED facility | Not answered. |
| (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) | Not answered. |
| (In Situ) Soil Vapor Extraction | Not answered. |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) | Not answered. |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) | Not answered. |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) | Not answered. |
| Ground Water Abatement pursuant to 19.15.30 NMAC | Not answered. |
| OTHER (Non-listed remedial process) | Not answered. |
| <i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i> | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | |
| I hereby agree and sign off to the above statement | Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 04/03/2025 |
| <i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i> | |

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QUESTIONS, Page 5

Action 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

| | |
|--|----|
| 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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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

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

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

Remediation Closure Request

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

| | |
|--|------|
| Requesting a remediation closure approval with this submission | Yes |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Was this release entirely contained within a lined containment area | No |
| All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion | Yes |
| What was the total surface area (in square feet) remediated | 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 |
|--|---|

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

General Information
Phone: (505) 629-6116

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Oil Conservation Division
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Santa Fe, NM 87505

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

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

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Santa Fe, NM 87505

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 |