



REMEDIATION CLOSURE REPORT

Property:

Pure Gold A Federal 005

**Unit L, S21, T23S, R31E
32.286530° N, 103.787383° W
Eddy County, New Mexico
NMOCD Incident ID: nAPP2410138519**

July 29, 2025


Ensolum Project No. 03B1417169

Prepared for:


**Oxy USA, Inc.
PO Box 4324
Houston, Texas 77210**

Attn: Daniel Sparks

Prepared by:



Kelly Lowery, GI
Project Geologist



Beaux Jennings
Associate Principal

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1.0 INTRODUCTION**1.1 Site Description and Background**

Operator:	Oxy USA, Inc. (Oxy)
Site Name:	Pure Gold A Federal 005
Location:	Unit L, Section 21, Township 23 South, Range 31 East 32.286530° N, 103.787383° W Eddy County, New Mexico
Property:	Federal Land managed by the Bureau of Land Management (BLM)
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On April 3, 2024, Oxy had a release of produced water at the Site when the nipple on a transfer line was found to be leaking, which resulted in a leak into the nearby pasture. The line was isolated and depressurized for repairs. Approximately 12 barrels (bbls) of produced water was released onto the ground surface, with 0 bbls recovered. Oxy reported the release to the New Mexico EMNRD OCD through the online notice of release (NOR) form on April 10, 2024. The release was subsequently assigned Incident Number nAPP2410138519.

The **Topographic Map** depicting the location of the Site is included as **Figure 1**, and the **Site Vicinity Map** is included as **Figure 2** in **Appendix A**.

1.2 Project Objective

The primary objective of the closure activities was to reduce chemicals of concern (COC) concentrations in the on-Site soil to be in compliance with the applicable New Mexico EMNRD OCD closure criteria concentrations.

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. In order to address activities related to exempt oil and gas releases, the New Mexico EMNRD OCD references New Mexico Administrative Code (NMAC) 19.15.29 *Releases*, which establishes investigation and abatement action requirements for sites subject to reporting and/or corrective action. Ensolum, LLC (Ensolum) utilized information provided by Oxy, the general Site characteristics, and information available from the New Mexico Office of the State Engineer (OSE) and the New Mexico EMNRD OCD Imaging database to determine the appropriate closure criteria for the Site. Supporting documentation and figures associated with the following bullets are provided in **Appendix B**, and included as **Figure 4** in **Appendix A**.



- No exploratory water wells were identified within a 0.5-mile radius of the Site on the OSE Water Rights Reporting System (WRRS) database.
 - Due to the unknown depth to groundwater in the 0.5-mile vicinity, a depth to water soil boring was installed on November 19, 2024 by West Texas Water Well Service (WTWWS), a licensed driller in the state of New Mexico, and Ensolum personnel. The soil boring (C-04897-POD1) was installed on the Oxy Pure Gold A Federal #005 pad leased from the BLM approximately 0.18-mile to the northeast. The soil boring was installed to 110 feet below ground surface (bgs), with no groundwater encountered 72-hours after soil boring installation. After the 72-hour period, the soil boring was subsequently plugged per the Well Plugging Plan of Operations.
- The Site is not located within 300 feet of a New Mexico ENMRD OCD-defined continuously flowing watercourse or significant watercourse.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church.
- According to the OSE WRSS database, there are no private, domestic freshwater wells used by less than five households for domestic or stock water purposes identified within 500 feet of the Site.
- According to the OSE WRSS database, no freshwater wells have been identified within 1,000 feet of the Site.
- The Site is not located within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to New Mexico Statute Annotated (NMSA) 1978, Section 3-27-3.
- The Site is not located within 300 feet of a wetland.
- Based on information identified on the New Mexico Mining and Minerals Division's Geographical Information System (GIS), Maps, and Mine Data database, the Site is not located within an area overlying a subsurface mine.
- Based on the Karst Occurrence Potential (kmz) provided by the BLM, the Site is located within a stable area, also referred to as low karst potential.
- The Site is not located within a 100-year floodplain.

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

CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE (NON-VEGETATIVE ZONE)			
Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
> 100 feet	Chloride	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	TPH (GRO+DRO)	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE (VEGETATIVE ZONE)			
Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Chloride	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

3.0 SOIL REMEDIATION ACTIVITIES

On April 3, 2024, Oxy had a release of produced water at the Site when the nipple on a transfer line was found to be leaking, which resulted in a leak into the nearby pasture. The line was isolated and depressurized for repairs. Approximately 12 bbls of produced water was released onto the ground surface, with 0 bbls recovered.

On October 10, 2024, subsequent to excavation activities, Ensolum arrived at the Site to collect 18 composite soil samples from the excavation floor (FS01 through FS-18) at depths ranging from 5 to 6 feet bgs and 8 composite soil samples from the excavation sidewalls (SW01 through SW08) at depths ranging from 0-5 feet and 0-6 feet bgs. Based on laboratory analytical results, additional excavation and sampling was required.



Between February 26, 2025 and March 13, 2025, subsequent to completion of additional excavation activities, Ensolum arrived at the Site to collect additional 15 composite soil samples from 11 locations on the excavation floor (FS08, FS09, FS10, FS12, FS13, FS16, FS19 through FS23) and 11 composite soil samples from 8 locations on the excavation sidewall (SW03, SW04, SW05, SW06, SW09, SW10, SW12, and SW13). The composite floor samples were collected at depths ranging from 5 to 15 feet bgs. The composite sidewall samples were collected at depths ranging from 0-6 feet, 4-10 feet and 6-15 feet bgs. Based on laboratory analytical results of the final composite soil samples, no further remediation activities were required at this time.

The composite soil samples were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX), total petroleum hydrocarbons (TPH), gasoline range organics (GRO), diesel range organics (DRO), motor oil/lube oil range organics (MRO), and chloride in accordance with the New Mexico EMNRD OCD Closure Criteria for Soils Impacted by a Release (NMOCD Closure Criteria).

The lithology encountered during the completion of closure activities consisted primarily of fine sands with sandy clay loam, Berino Complex, 0 to 3 percent slopes (BB, 1w43).

The final excavation area measured approximately 106 feet long at its maximum extent and 65 feet wide at its maximum extents, with a total depth ranging from approximately 5 to 15 feet bgs.

The excavation measured approximately 4,562 square feet in aerial extent. A total of approximately 1,104 cubic yards (cy) of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land Facility located in Hobbs, New Mexico. After completion of confirmation sampling, the excavation was backfilled utilizing material purchased locally from the Mills Ranch Pit and recontoured to match pre-existing conditions.

Figure 3 is a map that identifies approximate soil sample locations and depicts the approximate dimensions of the impacted soil and excavation extent with respect to the surrounding pertinent features (**Appendix A**). Photographic documentation of the field activities is included in **Appendix C**.

4.0 SOIL SAMPLING PROGRAM

Ensolum's soil sampling program from October 10, 2024, through March 13, 2025, included the collection of a total of 33 composite soil samples from 23 locations on the excavation floor (FS01 through FS23) and 19 composite soil samples from 12 sample locations on the excavation sidewalls (SW01 through SW10, SW12, and SW13) for laboratory analysis.

The composite soil samples were collected and placed in laboratory-prepared glassware, labeled/sealed using laboratory-supplied labels and custody seals, and stored on ice in a cooler. The samples were relinquished to Cardinal Laboratories in Hobbs, New Mexico, under proper chain-of-custody procedures.

5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite soil samples were analyzed for BTEX following the United States Environmental Protection Agency (EPA) SW-846 Method 8021B, TPH GRO/DRO/MRO following EPA SW-846 Method 8015M/D, and chloride using SM4500Cl-B.

Laboratory analytical results are summarized in **Table 1**, **Table 2**, and **Table 3** in **Appendix D**. The executed chain-of-custody forms and laboratory data sheets are provided in **Appendix E**.

6.0 DATA EVALUATION

Ensolum compared the benzene, total BTEX, TPH-GRO/DRO/MRO, and chloride concentrations or laboratory sample detection limits (SDLs) associated with the soils remaining in place at the Site to the



applicable NMOCD Closure Criteria. The final composite soil samples collected from the Non-Vegetative Zone were compared to the NMOCD Closure Criteria for Soils Impacted by a Release (Non-Vegetative Zone), while the final composite soil samples collected from the Vegetative Zone were compared to the NMOCD Closure Criteria for Soils Impacted by a Release (Vegetative Zone).

- Laboratory analytical results indicated benzene concentrations for the soils remaining in place at the Site and the backfill soil sample did not exceed the laboratory SDLs or the applicable NMOCD Closure Criteria of 10 milligrams per kilogram (mg/kg).
- Laboratory analytical results indicated that total BTEX concentrations for the soils remaining in place at the Site and the backfill soil sample did not exceed the laboratory SDLs or the applicable NMOCD Closure Criteria of 50 mg/kg.
- Laboratory analytical results indicated that combined TPH-GRO/DRO concentrations for the soils remaining in place at the Site in the Non-Vegetative Zone did not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 1,000 mg/kg for depth to groundwater >100 feet.
- Laboratory analytical results indicated that combined TPH-GRO/DRO/MRO concentrations for the soils remaining in place at the Site in the Non-Vegetative Zone did not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 2,500 mg/kg for depth to groundwater >100 feet.
- Laboratory analytical results indicated chloride concentrations for the soils remaining in place at the Site in the Non-Vegetative Zone ranged from 272 mg/kg to 18,800 mg/kg, which do not exceed the applicable NMOCD Closure Criteria of 20,000 mg/kg for depth to groundwater >100 feet.
- Laboratory analytical results indicated that combined TPH-GRO/DRO/MRO concentrations for the soils remaining in place at the Site and the backfill soil sample in the Vegetative Zone did not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 100 mg/kg for depth to groundwater ≤50 feet.
- Laboratory analytical results indicated chloride concentrations for the soils remaining in place at the Site and the backfill soil sample in the Vegetative Zone did not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 600 mg/kg for depth to groundwater ≤50 feet.

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

7.0 RECLAMATION AND RE-VEGETATION

The release occurred off-pad, and as such, a reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the off-pad area that was impacted by the release per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation. The following Reclamation Plan addresses reclamation of the off-pad area in the top 4 feet, approximately 676 cy: The soil in the vicinity of the release includes: predominately fine sands with sandy clay loam, BB, 1w43;

- The excavation was backfilled with locally sourced topsoil from the Mills Ranch Pit and recontoured to match the surrounding grade;
- The backfilled areas will be seeded utilizing a weed-free seed mix designed by the BLM to meet reclamation standards for this region, which will be Loamy Sand (SD-3) Sites Seed Mixture;
- The seed mixture will be distributed with one of the following methods: push broadcaster seed spreader/tractor-operated broadcast seed spreader/drill seeding/other means;

- Application of the seed mixture will be at a coverage of either 10 pounds of seeds per acre of reclaimed pasture with distribution by a drilling method or 20 pounds of seeds per acre of reclaimed pasture with distribution by a broadcast method, whichever is more applicable;
- Erosion control management will potentially include:
 - The placement of wattles in areas with a propensity for high run-off rates;
 - Straw cover if high winds are anticipated to support moisture retention and limit wind from blowing seeds away before they have had time to germinate; and/or
 - Other erosional control best management practices (BMP) as necessary to support timely and healthy regrowth of vegetation in disturbed areas.
- Backfilling of the excavation has already been completed. The backfill soil sample analytical results are included as **Table 3 (Appendix D)** and will be included in the Reclamation and Revegetation Reports;
- Seeding is anticipated to be completed in the spring/summer when temperatures and precipitation are most conducive for vegetation growth. In general, seeding should occur approximately one month after the last frost in the Spring up until approximately one month prior to the first fall frost;
- Annual inspections (at a minimum) will take place on the location until revegetation is consistent with local natural vegetation density. The Site will be inspected the following Spring/Fall to assess the success of regrowth. If necessary, an additional application of the BLM-approved pure live seed mixture will be applied as well, and any needed BMPs will be installed to support growth and limit erosion.

8.0 FINDINGS AND RECOMMENDATION

- On April 3, 2024, Oxy had a release of produced water at the Site when the nipple on a transfer line was found to be leaking, which resulted in a leak into the nearby pasture. The line was isolated and depressurized for repairs. Approximately 12 bbls of produced water was released onto the ground surface, with 0 bbls recovered.
- Due to the unknown depth to groundwater in the 0.5-mile vicinity, a depth to water soil boring was installed on November 19, 2024 by WTWWS, a licensed driller in the state of New Mexico, and Ensolum personnel. The soil boring (C-04897-POD1) was installed on the Oxy Pure Gold A Federal #005 pad leased from the BLM approximately 0.18-mile to the northeast. The soil boring was installed to 110 feet bgs, with no groundwater encountered 72-hours after soil boring installation. After the 72-hour period, the soil boring was subsequently plugged per the Well Plugging Plan of Operations.
- Ensolum's soil sampling program from October 10, 2024, through March 13, 2025, included the collection of a total of 33 composite soil samples from 23 locations on the excavation floor (FS01 through FS23) and 19 composite soil samples from 12 sample locations on the excavation sidewalls (SW01 through SW10, SW12, and SW13) for laboratory analysis.
- The primary objective of the closure activities was to reduce COC concentrations in the on-Site soil to be in compliance with applicable NMOCD Closure Criteria for Soils Impacted by a Release using the New Mexico EMNRD OCD's NMAC 19.15.29 *Releases* as guidance.
- The final excavation area measured approximately 106 feet long at its maximum extent and 65 feet wide at its maximum extents, with a total depth ranging from approximately 5 to 15 feet bgs.

- Based on laboratory analytical results, the final composite soil samples collected from the excavation area and the backfill soil sample did not exhibit benzene, total BTEX, TPH GRO/DRO/MRO or chloride concentrations above the applicable NMOCD Closure Criteria.
- Subsequent to the results of the final composite soil sampling, the excavation was backfilled with locally sourced topsoil from the Mills Ranch Pit and recontoured to the original surrounding grade. A BLM-approved seed mixture will be sown into the surface of the backfill for re-vegetation per the above-stated Reclamation Plan.

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

9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

9.1 Standard of Care

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

9.2 Limitations

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

9.3 Reliance

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



APPENDIX A

Figures

Oxy USA Inc.
Pure Gold A Federal 005
32.286530°N, 103.787383° W
Eddy County, New Mexico

PROJECT NUMBER: 03B1417169

FIGURE

1



Site Vicinity Map

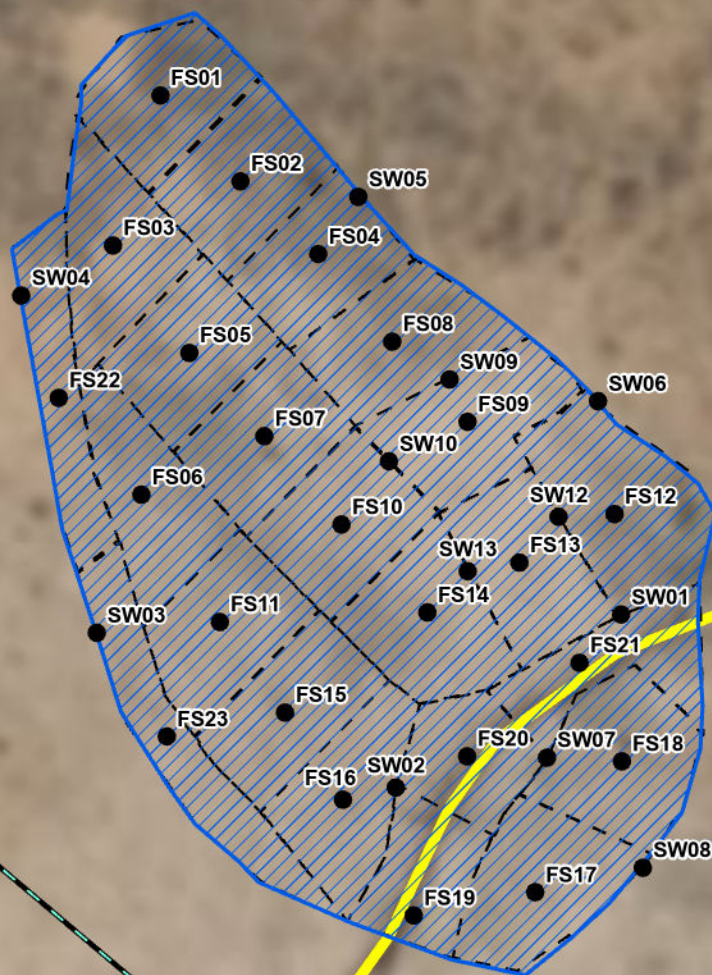
Oxy USA Inc.
Pure Gold A Federal 005
32.286530°N, 103.787383° W
Eddy County, New Mexico

PROJECT NUMBER: 03B1417169

FIGURE
2

Legend

- Composite Soil Sample Location
- ▨ Excavation Extent
- - - Composite Soil Sample Boundary
- Above Ground Polylines (4)
- - - Overhead Powerline
- Subsurface Pipeline



Sources: Environmental Systems Research Institute (ESRI)



Site Map

Oxy USA Inc.
Pure Gold A Federal 005
32.286530°N, 103.787383° W
Eddy County, New Mexico

PROJECT NUMBER: 03B1417169

FIGURE

3

Legend

- ▲ Site Location
- 0.5 Mile Radius selection
- Approximate Water Well/ POD Location
- Low Karst Potential

**Closure Criteria Map**

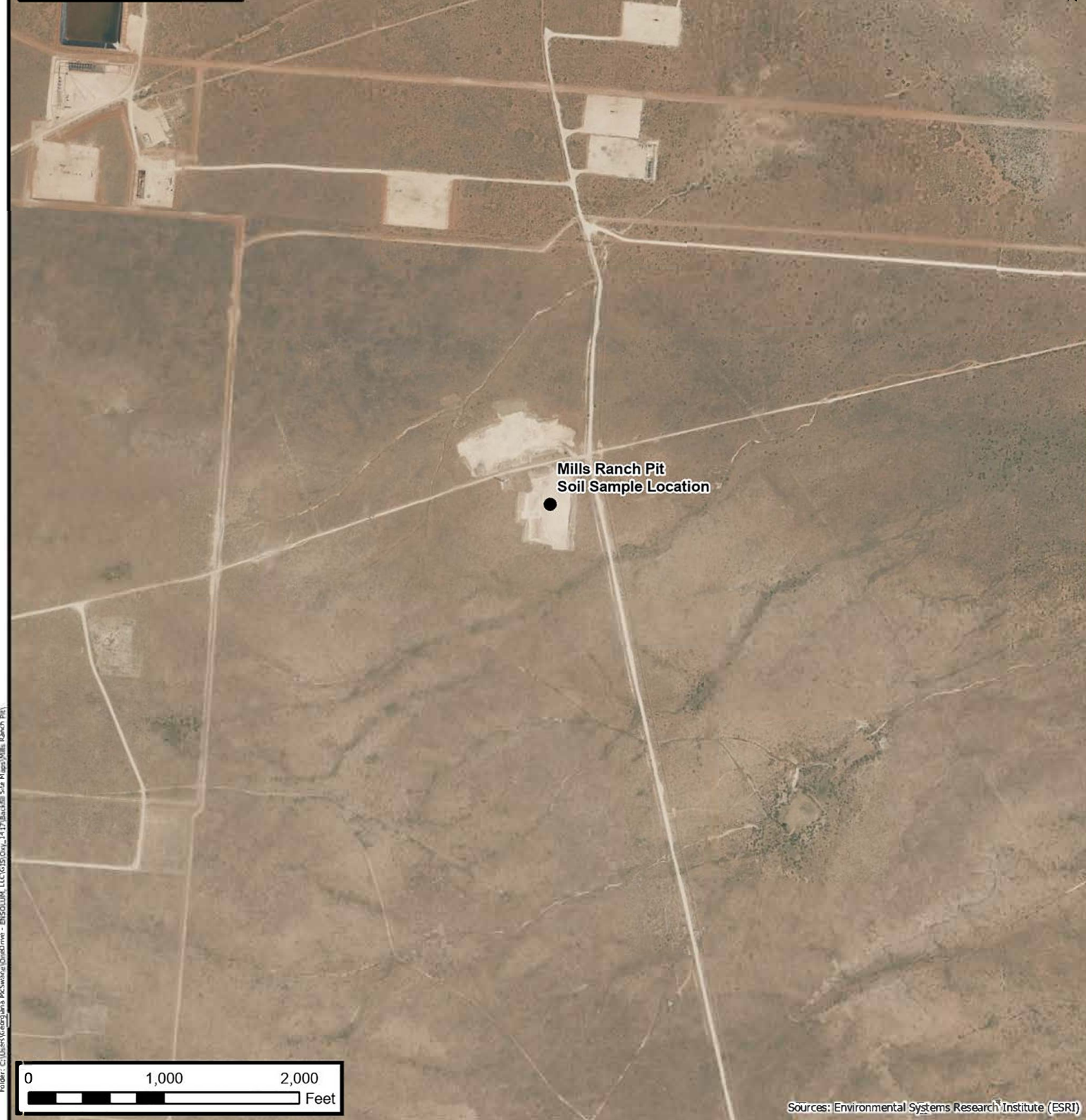
Oxy USA Inc.
 Pure Gold A Federal 005
 32.286530°N, 103.787383° W
 Eddy County, New Mexico

PROJECT NUMBER: 03B1417169

FIGURE
4

Legend

- Composite Sample Location

**Backfill Site Map**

Mills Ranch Pit
32.422889° N, 104.653139° W
Eddy County, New Mexico

FIGURE
5



APPENDIX B

Supporting Documentation

Well Name: PURE GOLD A FEDERAL	Well Location: T23S / R31E / SEC 21 / NESW / 32.2882885 / -103.7848633	County or Parish/State: EDDY / NM
Well Number: 5	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM38464	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001535292	Operator: OXY USA INCORPORATED	

Notice of Intent

Sundry ID: 2809440

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 08/29/2024	Time Sundry Submitted: 03:17
Date proposed operation will begin: 09/29/2024	

Procedure Description: Oxy USA, Inc. (Oxy) requests to advance a soil boring to a depth of approximately 110 feet below ground surface for determination of regional groundwater depth for Pure Gold A Federal #005 (GPS Coordinates: 32.286530, -103.787383) (Incident ID: nAPP2410138519) The soil boring (proposed location 32.288270, -103.785346) will be located at the Pure Gold A Federal #005 Oxy well pad on BLM surface. The soil boring will be left open for approximately 72 hours to allow for the slow infill of groundwater, if any. A water level meter will be utilized to confirm the presence or absence and depth to groundwater in the soil boring. Following the 72 hour waiting period, the soil boring will be backfilled following the approved New Mexico Office of the State Engineer plugging procedures. A site map and kmz depicting the location of the Site and the proposed soil boring location are included with this Form 3160-5.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

- Procedure Description
- Pure_Gold_A_Federal_005_DTW_Boring_20240829151210.pdf
 - Form_3160_5___Pure_Gold_A_Federal_005_20240829151210.pdf

Received by OCD: 10/30/2025 8:07:23 AM

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Well Name: PURE GOLD A FEDERAL	Well Location: T23S / R31E / SEC 21 / NESW / 32.2882885 / -103.7848633	County or Parish/State: EDDY / NM
Well Number: 5	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM38464	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001535292	Operator: OXY USA INCORPORATED	

Conditions of Approval

Specialist Review

20240903_PURE_GOLD_A_FEDERAL_5_St_Engineer_Office_drilling_approval_20240903110720.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: WADE DITTRICH	Signed on: AUG 29, 2024 03:12 PM
Name: OXY USA INCORPORATED	
Title: Environmental Advisor	
Street Address: 5 GREENWAY PLAZA SUITE 110	
City: HOUSTON	State: TX
Phone: (575) 390-2828	
Email address: WADE_DITTRICH@OXY.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: CRISHA A MORGAN	BLM POC Title: Environmental Protection Specialist
BLM POC Phone: 5752345987	BLM POC Email Address: camorgan@blm.gov
Disposition: Approved	Disposition Date: 09/03/2024
Signature: CRISHA A. MORGAN	

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

3a. Address

3b. Phone No. (include area code)

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.

9. API Well No.

10. Field and Pool or Exploratory Area

11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well


0. SHL: NESW / 2040 FSL / 1980 FWL / TWSP: 23S / RANGE: 31E / SECTION: 21 / LAT: 32.2882885 / LONG: -103.7848633 (TVD: 0 feet, MD: 0 feet)


BHL: NESW / 2040 FSL / 1980 FWL / TWSP: 23S / SECTION: / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)


DTW Boring Placement

2.288270, -103.785346

Legend

DTW 0.5-Mile

DTW Boring Placement

Pure Gold A Federal 005 (4/3/2024)

Received by OCD: 10/30/2025 8:07:23 AM



Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. **NMNM038464**
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No. NMNM105445177
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other Soil boring for determination of depth to groundwater	8. Well Name and No. Pure Gold A Federal #005	
2. Name of Operator Oxy USA, Inc.		9. API Well No. 30-015-35292
3a. Address 619 East Jemez, Hobbs NM 88240	3b. Phone No. (include area code) (575) 390-2828	10. Field and Pool or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) K-21-23S-31E Latitude: 32.288270, Longitude: -103.785346		11. Country or Parish, State Eddy County, New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA				
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Oxy USA, Inc. (Oxy) requests to advance a soil boring to a depth of approximately 110 feet below ground surface for determination of regional groundwater depth for Pure Gold A Federal #005 (GPS Coordinates: 32.286530, -103.787383) (Incident ID: nAPP2410138519) The soil boring (proposed location 32.288270, -103.785346) will be located at the Pure Gold A Federal #005 Oxy well pad on BLM surface. The soil boring will be left open for approximately 72 hours to allow for the slow infill of groundwater, if any. A water level meter will be utilized to confirm the presence or absence and depth to groundwater in the soil boring. Following the 72 hour waiting period, the soil boring will be backfilled following the approved New Mexico Office of the State Engineer plugging procedures. A site map and kmz depicting the location of the Site and the proposed soil boring location are included with this Form 3160-5.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Wade Dittrich	Title Environmental Advisor
Signature	Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

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EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 E. Greene St.
Carlsbad, NM 88220-6292

In Reply Refer To:
3162.4 (NM-080)
NMNM38464

September 3, 2024

NM Office of the State Engineer
1900 W. Second St.
Roswell, NM 88201

Re: PURE GOLD A FEDERAL 5
Sec 21, TS 23S, RE 31E
Eddy County, New Mexico
32.286530, -104.787383

To Whom It May Concern:

The above well location and the immediate area mentioned above requires advanced soil boring to take place at approximately 110 feet below ground surface. The boring will be secured and left open for 72 hours at which time OXY USA Inc will assess for the presence or absence of groundwater. Temporary PVC well material will be placed to total depth of the boring and secured at the surface. If water is encountered at any point during the boring, installation of the soil boring will be plugged using Portland Type 1/11 neat cement less than 6.0 gallons of water per 94lb sack. If no water is encountered, then the soil boring will be plugged. The Bureau of Land Management (landowner) authorizes the access of the area to accomplish depth to groundwater determination of this site.

If you have any questions contact Crisha Morgan, at 575-234-5987.

Sincerely,

Crisha A. Morgan
Certified Environmental Protection Specialist

Elizabeth K. Anderson, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 769935
File Nbr: C 04897

Nov. 01, 2024

KELLY LOWERY
ENSOLUM LLC
3122 NATIONAL PARKS HIGHWAY
CARLSBAD, NM 88220

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

- * If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.
- * If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.
- * The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.
- * This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

A handwritten signature in black ink, appearing to read "Rodolfo Chavez".

Rodolfo Chavez
(575) 622-6521

Enclosure

explore

File No. C-04897 P0121



NEW MEXICO OFFICE OF THE STATE ENGINEER

WR-07 APPLICATION FOR PERMIT TO DRILL

A WELL WITH NO WATER RIGHT

(check applicable boxes):

For fees, see State Engineer website: <https://www.ose.nm.gov/>

Purpose:	<input type="checkbox"/> Pollution Control And/Or Recovery	<input type="checkbox"/> Ground Source Heat Pump
<input type="checkbox"/> Exploratory Well*(Pump test)	<input type="checkbox"/> Construction Site/Public Works Dewatering	<input checked="" type="checkbox"/> Other(Describe):
<input type="checkbox"/> Monitoring Well	<input type="checkbox"/> Mine Dewatering	

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.

*New Mexico Environment Department-Drinking Water Bureau (NMED-DWB) will be notified if a proposed exploratory well is used for public water supply.

☐ Yes ☒ No Angled/Directional borehole - include schematic and azimuth, inclination, measured depth and true vertical depth.

☒ Temporary Request - Requested Start Date: 11/01/2024 Requested End Date: 12/01/2024

Plugging Plan of Operations Submitted? ☒ Yes ☐ No

Note: if there is known artesian conditions, contamination or high mineral content at the drilling location, include the borehole log or a well log from an existing well at that location. If this information is not submitted, check box and attach form WD-09 to this form. ☐

1. APPLICANT(S)

Name: Oxy USA Inc.	Name: Ensolum, LLC
Contact or Agent: check here if Agent <input checked="" type="checkbox"/> Mr. Wade Dittrich	Contact or Agent: check here if Agent <input type="checkbox"/> Ms. Kelly Lowery
Mailing Address: PO BOX 4294	Mailing Address: 601 N. Marienfeld St. Suite 400
City: Houston	City: Midland
State: TX Zip Code: 77210	State: TX Zip Code: 79701
Phone: <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell Phone (Work): 575-390-2828	Phone: 214-733-3165 <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell Phone (Work):
E-mail (optional): wade_dittrich@oxy.com	E-mail (optional): klowery@ensolum.com

FOR OSE INTERNAL USE

Application for Permit, Form WR-07, Rev 10/02/2024

File No.: C-04897	Trn. No.: 769935	Receipt No.: 2-47351
Trans Description (optional):		
Sub-Basin: CUB	PCW/LOG Due Date: 11/1/25	

Page 1 of 3

2. WELL(S) Describe the well(s) applicable to this application.

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84). District II (Roswell), District V (Aztec) and District VII (Cimarron) customers, provide a PLSS location in addition to above.

☐ NM State Plane (NAD83) (Feet)
 ☐ UTM (NAD83) (Meters)
 ☒ Lat/Long (WGS84) (to the nearest 1/10th of second)

☐ NM West Zone
 ☐ Zone 12N

☐ NM East Zone
 ☐ Zone 13N

Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	-Public Land Survey System (PLSS) (QQQSection, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name	Well Depth in feet	Casing Diameter (OD)
C-04897 POD1 POD1 (SB-1)	-103.785346	32.288270	NE 1/4 of SW 1/4 K21 T23S R31E	110'	6"

NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)

Additional well descriptions are attached: ☐ Yes ☒ No If yes, how many _____

Other description relating well to common landmarks, streets, or other:

Soil boring is located on the NW corner of the Oxy Pure Gold A Federal #005 pad.

Well is on land owned by: BLM

Well Information: NOTE: If casings telescope or involve nested casing, please provide diagram. Attached? ☐ Yes ☒ No

Approximate depth to water (feet): TBD

Driller Name: West Texas Water Well Service - Ronny Leith Driller License Number: WD-1184

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

The investigation soil boring will be advanced to a depth of approximately 110 feet below ground surface for determination of regional groundwater depth. The soil boring (proposed location 32.288270, -103.785346) will be located at the Pure Gold A Federal #005 well pad and will be associated with the Pure Gold A Federal 005 release (GPS Coordinates: 32.286530, -103.787383) (Incident ID: nAPP2410138519) on BLM surface. The soil boring will be left open for approximately 72 hours to allow for the slow infill of groundwater, if any. Following the 72 hour waiting period, the soil boring will be assessed utilizing a water level meter to confirm the presence or absence and depth to groundwater. Following the 72 hour waiting period, the soil boring will be backfilled following the approved New Mexico Office of the State Engineer plugging procedures.

FOR OSE INTERNAL USE

Application for Permit, Form WR-07 Version 10/02/2024

File No.: C-04897 POD1

Trn No.: 769935

Page 2 of 3

4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

<p>Exploratory*: is proposed well a future public water supply well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> NO If Yes, an application must be filed with NMED-DWB, concurrently. <input type="checkbox"/> Include a description of any proposed pump test, if applicable.</p> <p>Monitoring*: <input type="checkbox"/> Include the reason for the monitoring well, and, <input type="checkbox"/> The duration of the planned monitoring.</p>	<p>Pollution Control and/or Recovery: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for the pollution control or recovery operation. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The annual diversion amount. <input type="checkbox"/> The annual consumptive use amount. <input type="checkbox"/> The maximum amount of water to be diverted and injected for the duration of the operation. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> The method of measurement of water produced and discharged. <input type="checkbox"/> The source of water to be injected. <input type="checkbox"/> The method of measurement of water injected. <input type="checkbox"/> The characteristics of the aquifer. <input type="checkbox"/> The method of determining the resulting annual consumptive use of water and depletion from any related stream system. <input type="checkbox"/> Proof of any permit required from the New Mexico Environment Department. <input type="checkbox"/> An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.</p>	<p>Construction De-Watering: <input type="checkbox"/> Include a description of the proposed dewatering operation, <input type="checkbox"/> The estimated duration of the operation, <input type="checkbox"/> The maximum amount of water to be diverted, <input type="checkbox"/> A description of the need for the dewatering operation, and, <input type="checkbox"/> A description of how the diverted water will be disposed of.</p> <p>Ground Source Heat Pump: <input type="checkbox"/> Include a description of the geothermal heat exchange project, <input type="checkbox"/> The number of boreholes for the completed project and required depths. <input type="checkbox"/> The time frame for constructing the geothermal heat exchange project, and, <input type="checkbox"/> The duration of the project. <input type="checkbox"/> Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.</p>	<p>Mine De-Watering: <input type="checkbox"/> Include a plan for Mine De-Watering, that includes the following: <input type="checkbox"/> A description of the need for mine dewatering. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The source(s) of the water to be diverted. <input type="checkbox"/> The geohydrologic characteristics of the aquifer(s). <input type="checkbox"/> The maximum amount of water to be diverted per annum. <input type="checkbox"/> The maximum amount of water to be diverted for the duration of the operation. <input type="checkbox"/> The quality of the water. <input type="checkbox"/> The method of measurement of water diverted. <input type="checkbox"/> The recharge of water to the aquifer. <input type="checkbox"/> Description of the estimated area of hydrologic effect of the project. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. <input type="checkbox"/> A description of the methods employed to estimate effects on surface water rights and underground water rights. <input type="checkbox"/> Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.</p>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

(* if exploration or monitoring drilling activity is required by NMED, then you must also submit the NMED Work Plan)

ACKNOWLEDGEMENT

I, We (name of applicant(s)), Kelly Lowery, Wade Dittrich

Print Name(s)

affirm that the foregoing statements are true to the best of (my,our) knowledge and belief.

Kelly Lowery
Applicant Signature

Wade Dittrich
Applicant Signature

ACTION OF THE STATE ENGINEER

This application is:

☒ approved

☐ partially approved

☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 15th day of November 20 24, for the State Engineer,

ELIZABETH K. ANDERSON, P.E.

State Engineer

By:

Signature

K. Parekh

KASHYAP PAREKH

Print

Title:

Print

WATER RESOURCE MANAGER I



FOR OSE INTERNAL USE

Application for Permit, Form WR-07 Version 10/02/2024

File No.: C-04897 P001

Trn No. 769935

Page 3 of 3

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL

- 17-16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.
- 17-1A Depth of the well shall not exceed the thickness of the valley fill.
- 17-4 No water shall be appropriated and beneficially used under this permit.
- 17-6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging.

Trn Desc: C 04897 POD1

File Number: C 04897

Trn Number: 769935

page: 1

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL (Continued)

- 17-7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- 17-B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
- 17-C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record.
The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
- 17-P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.
- 17-Q The State Engineer retains jurisdiction over this permit.
- 17-R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.

Trn Desc: C 04897 POD1

File Number: C 04897

Trn Number: 769935

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

LOG The Point of Diversion C 04897 POD1 must be completed and the Well Log filed on or before 11/01/2025.

IT IS THE PERMITTEE'S RESPONSIBILITY TO OBTAIN ALL AUTHORIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE COMMENCING ACTIVITIES UNDER THIS PERMIT.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd:	Date Rcvd. Corrected:
Formal Application Rcvd: 10/04/2024	Pub. of Notice Ordered:
Date Returned - Correction:	Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 01 day of Nov A.D., 2024

Elizabeth K. Anderson, P.E., State Engineer

By:

K. Parekh
KASHYAP PAREKH



Trn Desc: C 04897 POD1

File Number: C 04897

Trn Number: 769935

page: 3

Well Name: PURE GOLD A FEDERAL	Well Location: T23S / R31E / SEC 21 / NESW / 32.2882885 / -103.7848633	County or Parish/State: EDDY / NM
Well Number: 5	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM38464	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001535292	Operator: OXY USA INCORPORATED	

Notice of Intent

Sundry ID: 2809440

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 08/29/2024

Time Sundry Submitted: 03:17

Date proposed operation will begin: 09/29/2024

Procedure Description: Oxy USA, Inc. (Oxy) requests to advance a soil boring to a depth of approximately 110 feet below ground surface for determination of regional groundwater depth for Pure Gold A Federal #005 (GPS Coordinates: 32.286530, -103.787383) (Incident ID: nAPP2410138519) The soil boring (proposed location 32.288270, -103.785346) will be located at the Pure Gold A Federal #005 Oxy well pad on BLM surface. The soil boring will be left open for approximately 72 hours to allow for the slow infill of groundwater, if any. A water level meter will be utilized to confirm the presence or absence and depth to groundwater in the soil boring. Following the 72 hour waiting period, the soil boring will be backfilled following the approved New Mexico Office of the State Engineer plugging procedures. A site map and kmz depicting the location of the Site and the proposed soil boring location are included with this Form 3160-5.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Pure_Gold_A_Federal_005_DTW_Boring_20240829151210.pdf

Form_3160_5_Pure_Gold_A_Federal_005_20240829151210.pdf

CSE DMI ROCKWELL 34
31 OCT '24 AM 8:53

Well Name: PURE GOLD A FEDERAL	Well Location: T23S / R31E / SEC 21 / NESW / 32.2882885 / -103.7848633	County or Parish/State: EDDY / NM
Well Number: 5	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM38464	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001535292	Operator: OXY USA INCORPORATED	

Conditions of Approval**Specialist Review**

20240903_PURE_GOLD_A_FEDERAL_5_St_Engineer_Office_drilling_approval_20240903110720.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: WADE DITTRICH**Signed on:** AUG 29, 2024 03:12 PM**Name:** OXY USA INCORPORATED**Title:** Environmental Advisor**Street Address:** 5 GREENWAY PLAZA SUITE 110**City:** HOUSTON**State:** TX**Phone:** (575) 390-2828**Email address:** WADE_DITTRICH@OXY.COM**Field****Representative Name:****Street Address:****City:****State:****Zip:****Phone:****Email address:****BLM Point of Contact****BLM POC Name:** CRISHA A MORGAN**BLM POC Title:** Environmental Protection Specialist**BLM POC Phone:** 5752345987**BLM POC Email Address:** camorgan@blm.gov**Disposition:** Approved**Disposition Date:** 09/03/2024**Signature:** CRISHA A. MORGAN

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31 OCT '24 08:29

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2		5. Lease Serial No. NMNM38464
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator OXY USA INCORPORATED		7. If Unit of CA/Agreement, Name and/or No.
3a. Address P.O. BOX 1002, TUPMAN, CA 93276-1002		8. Well Name and No. PURE GOLD A FEDERAL/5
3b. Phone No. (include area code) (661) 763-6046		9. API Well No. 3001535292
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SEC 21/T23S/R31E/NMP		10. Field and Pool or Exploratory Area SAND DUNES-DELAWARE, WEST/SAND DUNES-DE
		11. Country or Parish, State EDDY/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Oxy USA, Inc. (Oxy) requests to advance a soil boring to a depth of approximately 110 feet below ground surface for determination of regional groundwater depth for Pure Gold A Federal #005 (GPS Coordinates: 32.286530, -103.787383) (Incident ID: nAPP2410138519) The soil boring (proposed location 32.288270, -103.785346) will be located at the Pure Gold A Federal #005 Oxy well pad on BLM surface. The soil boring will

be left open for approximately 72 hours to allow for the slow infill of groundwater, if any. A water level meter will be utilized to confirm the presence or absence and depth to groundwater in the soil boring. Following the 72 hour waiting period, the soil boring will be backfilled following

the approved New Mexico Office of the State Engineer plugging procedures. A site map and kmz depicting the location of the Site and the proposed soil boring location are included with this Form 3160-5.

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31 OCT '24 AM 8:36

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) WADE DITTRICH / Ph: (575) 390-2828	Title Environmental Advisor
Signature (Electronic Submission)	Date 08/29/2024

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by CRISHA A MORGAN / Ph: (575) 234-5987 / Approved	Title Environmental Protection Specialist	Date 09/03/2024
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office CARLSBAD

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

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31 OCT '24 AM 8:33

Additional Information

Location of Well

0. SHL: NESW / 2040 FSL / 1980 FWL / TWSP: 23S / RANGE: 31E / SECTION: 21 / LAT: 32.2882885 / LONG: -103.7848633 (TVD: 0 feet, MD: 0 feet)

BHL: NESW / 2040 FSL / 1980 FWL / TWSP: 23S / SECTION: / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

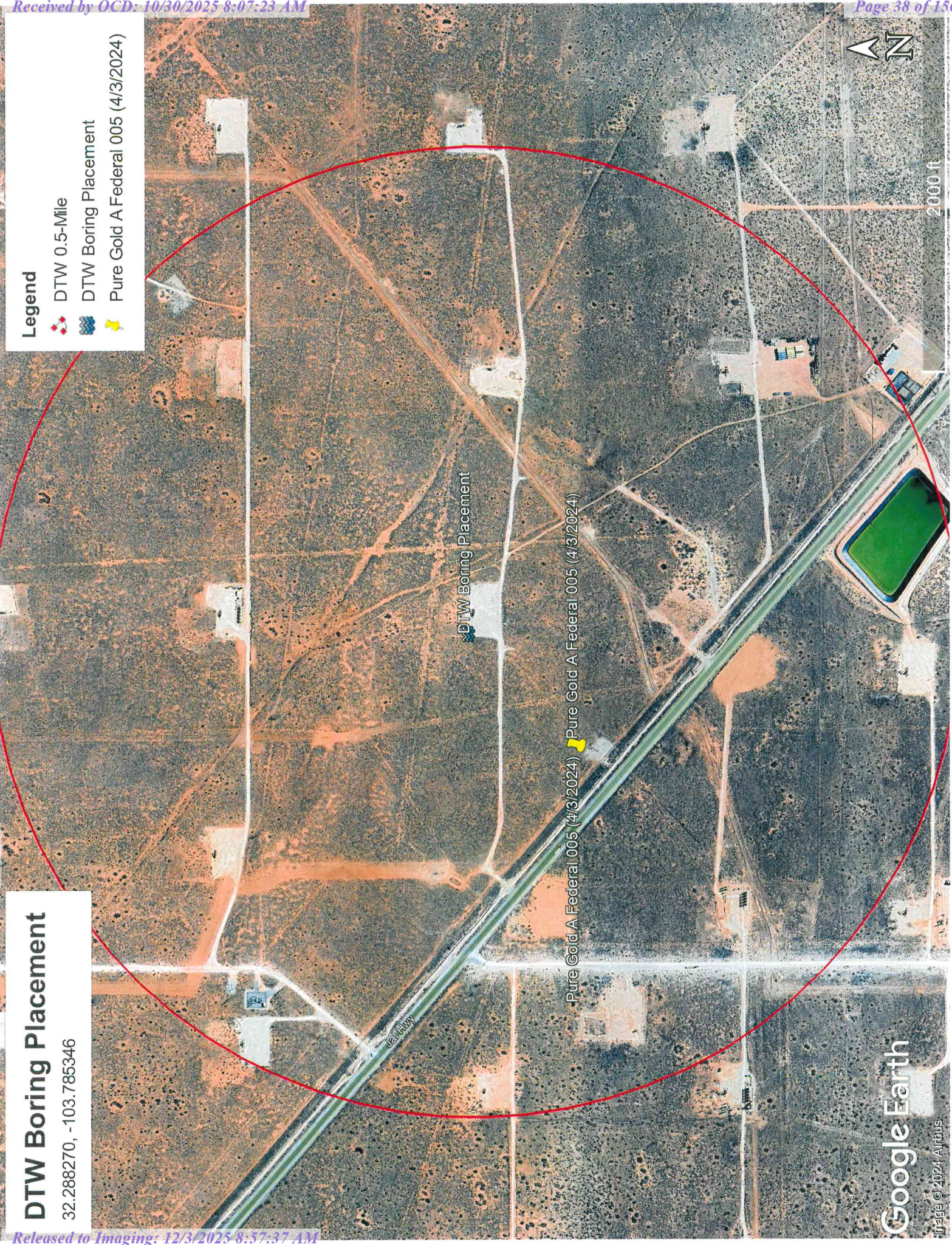
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DTW Boring Placement

32.288270, -103.785346

Legend

- DTW 0.5-Mile
- DTW Boring Placement
- Pure Gold A Federal 005 (4/3/2024)



Google Earth

Image © 2024 Airbus

MICHELLE LUJAN GRISHAM
GOVERNOR



ELIZABETH K. ANDERSON, P.E.
STATE ENGINEER

State of New Mexico
Office of the State Engineer

DISTRICT 2 OFFICE

October 31, 2024

Oxy USA Inc.
P.O. Box 4294
Denver, CO 80206

RE: Well Plugging Plan of Operations for well No. C-4897-POD1

Greetings:

Enclosed is your copy of the Well Plugging Plan of Operations for the above referenced well subject to the attached Conditions of Approval. The proposed method of operation is found to be acceptable and in accordance with the Rules and Regulations Governing Well Driller Licensing; Construction, Repair and Plugging of Wells 19.27.4 NMAC adopted June 30, 2017 by the State Engineer. subject to the attached Conditions of Approval.

Within 30 days after the well is plugged, the well driller is required to file a complete plugging record with the OSE and the permit holder.

Sincerely,


Kashyap Parekh
Water Resources Manager I

1900 WEST SECOND STREET, ROSWELL, NM 88201
(575) 622/6521 FAX (575) 623-8559

WWW.OSE.STATE.NM.GOV



Office of the State Engineer State of New Mexico

DISTRICT 2 OFFICE

1900 West Second St.
Roswell, New Mexico 88201
Phone: (575) 622-6521
Fax: (575) 623- 8559

Applicant has identified a well, listed below, to be plugged. West Texas Water Well Service (WD-1184) will perform the plugging.

Permittee: Oxy USA Inc.
NMOSE Permit Number: C-4897-POD1

NMOSE File	Casing diameter (inches)	Well depth (feet bgl)	Approximate static water level (feet bgl)	Latitude	Longitude
C-4897-POD1	6.0 (Borehole)	110.0	Unknown	32° 17' 17.7714"	103° 47' 7.2456"

Specific Plugging Conditions of Approval for Well located in Eddy County.

1. Water well drilling and well drilling activities, including well plugging, are regulated under 19.27.4 NMAC, which requires any person engaged in the business of well drilling within New Mexico to obtain a Well Driller License issued by the New Mexico Office of the State Engineer (NMOSE). Therefore, the firm of a New Mexico licensed Well Driller shall perform the well plugging.
2. Theoretical volume of sealant required for abandonment is approximately 161.5 gallons. Total minimum volume of necessary sealant shall be calculated upon sounding the actual pluggable depth of well, which is estimated at 110.0 feet below ground surface (b.g.s.).
3. A Type I/II Portland cement mixed with 5.2 to 6.0 gallons of fresh water per 94-lb sack of cement is approved for the plugging the well.
4. Sealant shall be placed by pumping through a tremie pipe extended to near well bottom and kept below top of the slurry column as the well is plugged from bottom-upwards in a manner

that displaces the standing water column upwards from below. Tremie pipe may be pulled as necessary to retain minimal submergence in the advancing column of sealant.

5. Should cement “shrinks-back” occur in the well, use of a tremie for topping off is required for cement placement deeper than 20 feet below land surface or if water is present in the casing. The approved sealant for topping off is identified in condition 3. of these Specific Conditions of Approval.
6. Any open annulus encountered surrounding the casing shall also be sealed by the placement of the approved sealant. When plugging shallow wells with no construction or environmental concerns, and if the well record on a well to be plugged shows a proper 20-foot annular seal, a plugging plan can propose the use of clean fill material to a nominal 30 feet bgs, then placing an OSE approved sealant to surface. Lacking that information, we would require an excavation of at least 2-feet which shall then be filled in its entirety with sealant to surface.
7. Should the NMED, or another regulatory agency sharing jurisdiction of the project authorize, or by regulation require a more stringent well plugging procedure than herein acknowledged, the more-stringent procedure should be followed. This, in part, includes provisions regarding pre-authorization to proceed, contaminant remediation, inspection, pulling/perforating of casing, or prohibition of free discharge of any fluid from the borehole during or related to the plugging process.
8. NMOSE witnessing of the plugging of the soil boring hole will not be required.
9. Any deviation from this plan must obtain an approved variance from this office prior to implementation.
10. A Well Plugging Record itemizing actual abandonment process and materials used shall be filed with the State Engineer within 30 days after completion of well plugging. For the plugging record, please resurvey coordinate location for well and note coordinate system for GPS unit. Please attach a copy of these plugging conditions.

The NMOSE Well Plugging Plan of Operations is hereby approved with the aforesaid conditions applied.

Witness my hand and seal this 31st day of October 2024

Elizabeth K. Anderson, P.E. State Engineer

By: K. Parekh

Kashyap Parekh
Water Resources Manager I





WELL PLUGGING PLAN OF OPERATIONS



NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging. This form may be used to plug a single well, or if you are plugging multiple monitoring wells on the same site using the same plugging methodology.

Alert! Your well may be eligible to participate in the Aquifer Mapping Program (AMP)-NM Bureau of Geology geoinfo.nmt.edu/resources/water/cgmn/ if within an area of interest and meets the minimum construction requirements, such as there is still water in your well, and the well construction reflected in a well record and log is not compromised, contact AMP at 575-835-5038 or -6951, or by email nmbg-waterlevels@nmt.edu, prior to completing this prior form. Showing proof to the OSE that your well was accepted in this program, may delay the plugging of your well until a later date.

I. FILING FEE: There is no filing fee for this form.

II. GENERAL / WELL OWNERSHIP: ☐ Check here if proposing one plan for multiple monitoring wells on the same site and attaching WD-08m

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: C-4897-P001

Name of well owner: Oxy USA Inc.

Mailing address: PO BOX 4294 County: Harris

City: Houston State: Texas Zip code: 77210

Phone number: 575-390-2828 E-mail: wade_dittrich@oxy.com

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: West Texas Water Well Service

New Mexico Well Driller License No.: WD-1184 Expiration Date: 10/31/2025

IV. WELL INFORMATION: ☐ Check here if this plan describes method for plugging multiple monitoring wells on the same site and attach supplemental form WD-08m and skip to #2 in this section.

Note: A copy of the existing Well Record for the well(s) to be plugged should be attached to this plan.

1) GPS Well Location: Latitude: 32 deg, 17 min, 17.7714 sec
Longitude: -103 deg, 47 min, 7.2456 sec, NAD 83

2) Reason(s) for plugging well(s):

Investigation soil boring to determine groundwater level.

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3) Was well used for any type of monitoring program? N/A If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? N/A If yes, provide additional detail, including analytical results and/or laboratory report(s):

5) Static water level: Unknown feet below land surface / feet above land surface (circle one)

6) Depth of the well: 110 feet

- 7) Inside diameter of innermost casing: N/A inches.
- 8) Casing material: N/A
- 9) The well was constructed with:
☐ an open-hole production interval, state the open interval: _____
☐ a well screen or perforated pipe, state the screened interval(s): _____
- 10) What annular interval surrounding the artesian casing of this well is cement-grouted? N/A
- 11) Was the well built with surface casing? No If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? No If yes, please describe:
- 12) Has all pumping equipment and associated piping been removed from the well? N/A If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

V. DESCRIPTION OF PLANNED WELL PLUGGING: ☐ If plugging method differs between multiple wells on same site, a separate form must be completed for each method.

Note: If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such as geophysical logs, that are necessary to adequately describe the proposal. Attach a copy of any signed OSE variance to this plugging plan.

Also, if this planned plugging plan requires a variance to 19.27.4 NMAC, attach a detailed variance request signed by the applicant.

- 1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well:

The soil boring will be plugged tremie from bottom to a slurry of Portland TYPE I/II Neat cement in lifts.
- 2) Will well head be cut-off below land surface after plugging? N/A

VI. PLUGGING AND SEALING MATERIALS:

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant. Attach a copy of the batch mix recipe from the cement company and/or product description for specialty cement mixes or any sealant that deviates from the list of OSE approved sealants.

- 1) For plugging intervals that employ cement grout, complete and attach Table A.
- 2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.
- 3) Theoretical volume of grout required to plug the well to land surface: 100
- 4) Type of Cement proposed: Type I/II Neat Cement
- 5) Proposed cement grout mix: <6.0 gallons of water per 94 pound sack of Portland cement.
- 6) Will the grout be: _____ batch-mixed and delivered to the site
X mixed on site

OSE 011 ROD+CLL V2
81 OCT '24 R-0333

- 7) Grout additives requested, and percent by dry weight relative to cement:

N/A

- 8) Additional notes and calculations:

N/A

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

Volumes calculated on an up to an approximate 6" boring.

VIII. SIGNATURE:

I, Kelly Lowery, say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.

Kelly Lowery

Signature of Applicant

10/21/2024

Date

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

☒ Approved subject to the attached conditions.
☐ Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this

31st

day of

October

2024

Elizabeth K. Anderson P.E.

., New Mexico State Engineer

By:

Kashyap Parekh

Water Resources Manager I

WD-08 Well Plugging Plan

Version: March 07, 2022

Page 3 of 5



TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)	N/A	N/A	0
Bottom of proposed interval of grout placement (ft bgl)	N/A	N/A	100
Theoretical volume of grout required per interval (gallons)	N/A	N/A	50
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement	N/A	N/A	<6.0
Mixed on-site or batch-mixed and delivered?	N/A		
Grout additive 1 requested	N/A	N/A	N/A
Additive 1 percent by dry weight relative to cement	N/A	N/A	N/A
Grout additive 2 requested	N/A	N/A	N/A
Additive 2 percent by dry weight relative to cement	N/A	N/A	N/A

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31 OCT '24 AM 8:38

TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)	N/A	N/A	0
Bottom of proposed sealant of grout placement (ft bgl)	N/A	N/A	10
Theoretical volume of sealant required per interval (gallons)	N/A	N/A	52
Proposed abandonment sealant (manufacturer and trade name)	N/A	N/A	Bariod Hole Plug

USE OF ROSWELL W
31 OCT '24 08:08

ENSOLUMEnvironmental, Engineering and
Hydrogeologic Consultants**Depth-to-Water Boring Log C-04897-POD1**

PROJECT NUMBER 03B1417169	DRILLING DATE 11/19/2024	COORDINATES 32.288270, -103.785346
PROJECT NAME Pure Gold A Federal 005	TOTAL DEPTH 110	COORD SYS N/A
CLIENT OXY USA, inc.	DIAMETER 6.25"	COMPLETION 11/19/2024
DRILLER West Texas Water Well Service	CASING N/A	SURFACE ELEVATION N/A
LICENCE NO. WD-1184	SCREEN N/A	WELL TOC N/A

COMMENTS Drilled by: Caleb Gregory. Borehole was left open for 72hrs and then subsequently backfilled with cuttings and plugged with Quikrete. No water was detected.

LOGGED BY Kaoru Shimada

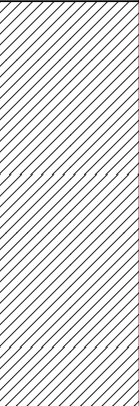
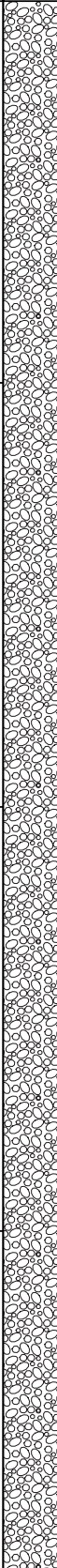




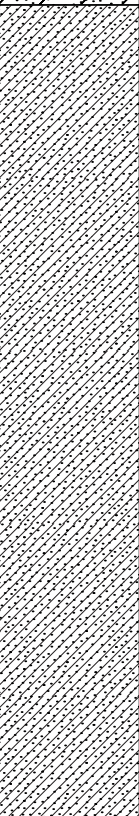


CHECKED BY Kelly Lowery

Depth (ft)	Graphic Log	Moisture	Material Description	Well Diagram
2		D	Sandy clay, brown, very fine to fine-grained, trace gravel, dry, no odor	Concrete
4				
6				
8				
10				
12				
14				
16		D		
18				Backfill (Cuttings)
20		D	Caliche, light brown, small gravel, dry, no odor	
22				
24				
26				
28				
30		D	Clay, dark brown, no gravel, some oxidation, dry, no odor	

Disclaimer This bore log is intended for environmental not geotechnical purposes.

Page 1 of 4

ENSOLUMEnvironmental, Engineering and
Hydrogeologic Consultants**Depth-to-Water Boring Log C-04897-POD1**

Depth (ft)	Graphic Log	Moisture	Material Description	Well Diagram		
32						
34						
36						
38						
40		D	Clayey sand with little gravel, reddish brown, fine to coarse, dry, no odor			Backfill (Cuttings)
42						
44						
46						
48		D	Sandy clay, reddish brown, oxidation, no gravel, dry, no odor			
50						
52						
54						
56		D	Sandy clay, reddish brown, very fine to fine-grained, dry, no odor			
58						
60						
62						
64						
66						
68						

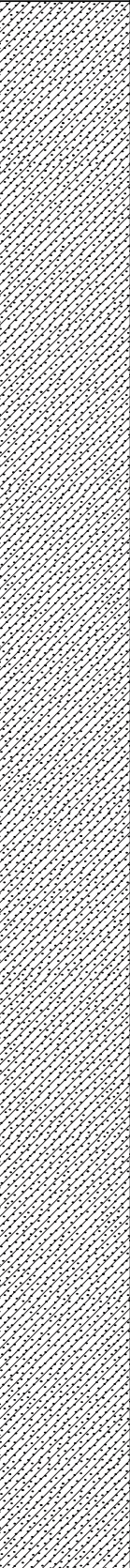


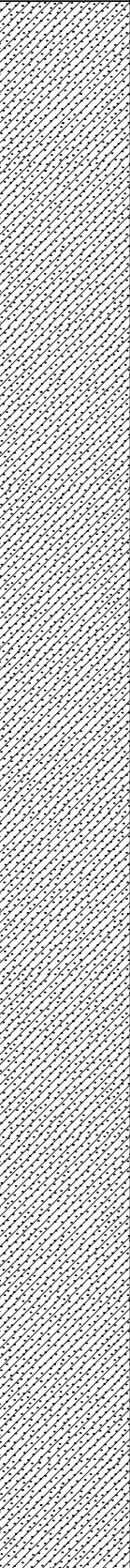


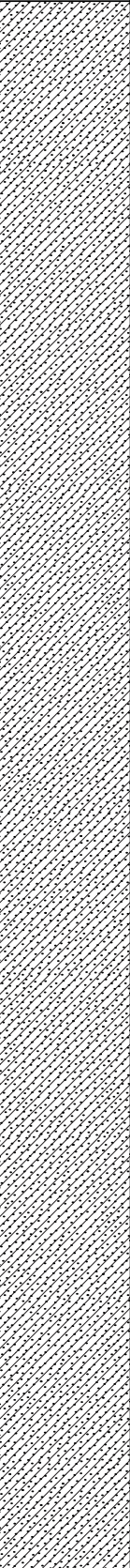


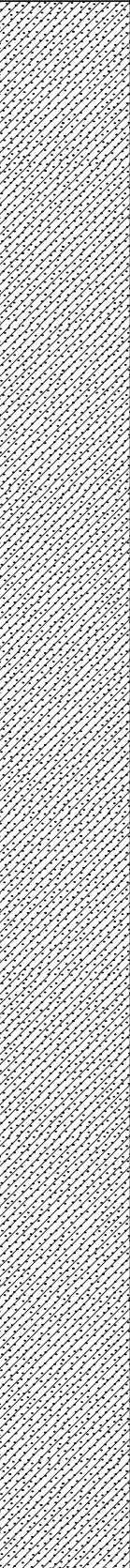


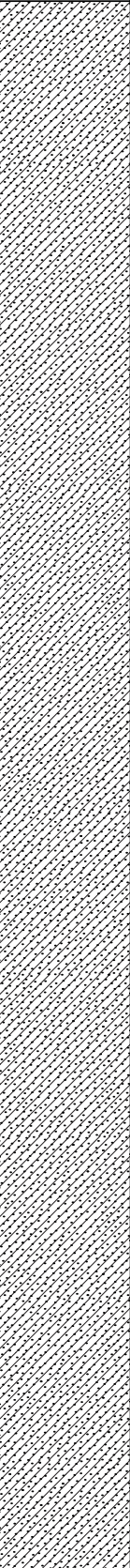


Disclaimer This bore log is intended for environmental not geotechnical purposes.

Page 2 of 4

ENSOLUM

Environmental, Engineering and
Hydrogeologic Consultants

Depth-to-Water Boring Log C-04897-POD1

Depth (ft)	Graphic Log	Moisture	Material Description	Well Diagram	
68					
70		D			
72					
74					
76					
78					
80		D			
82					
84					
86					
88					
90		D			
92			Sandy clay, reddish brown, very fine to fine-grained, no gravel, dry, no odor		
94					
96					
98					
100		D			
102					
104					

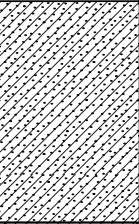
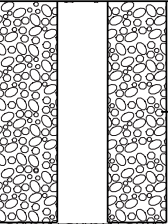
Backfill
(Cuttings)

Disclaimer This bore log is intended for environmental not geotechnical purposes.

ENSOLUM

Environmental, Engineering and
Hydrogeologic Consultants

Depth-to-Water Boring Log C-04897-POD1

Depth (ft)	Graphic Log	Moisture	Material Description	Well Diagram
106			Silty clay, dark reddish brown, very fine to coarse-grained, no gravel, dry, no odor	 Backfill (Cuttings)
108				
110				
112				
114				
116				
118				
120			Termination Depth at:110 m	
122				
124				
126				
128				
130				
132				
134				
136				
138				
140				
142				

Disclaimer This bore log is intended for environmental not geotechnical purposes.

Kelly Lowery

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Monday, July 1, 2024 10:27 AM
To: Kelly Lowery
Cc: Dittrich, John W; Pierce, Tyson (The Bergaila Company); Beaux Jennings; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD; Velez, Nelson, EMNRD
Subject: Extension Request: Pure Gold A Federal 005 (Incident ID: nAPP2410138519)

[**EXTERNAL EMAIL**]

RE: Incident #NAPP2410138519

Kelly,

Your request for a 90 day extension to **September 30th, 2024** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

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



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, July 1, 2024 9:06 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request: Pure Gold A Federal 005 (Incident ID: nAPP2410138519)

From: Kelly Lowery <klowery@ensolum.com>
Sent: Monday, July 1, 2024 9:02 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Dittrich, John W <Wade_Dittrich@oxy.com>; Pierce, Tyson (Legacy Safety & Consulting LLC) <tyson_pierce@oxy.com>; Beaux Jennings <bjennings@ensolum.com>
Subject: [EXTERNAL] Extension Request: Pure Gold A Federal 005 (Incident ID: nAPP2410138519)

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

Good morning,

On behalf of Oxy USA, Inc, Ensolum, LLC would like to request a 90-day extension for the Pure Gold A Federal 005 (Incident ID: nAPP2410138519). Excavation and remediation activities are currently on-going at the Site but have been delayed due to scheduling challenges with personnel and contractors. We ask that you please approve this extension request for future sampling and subsequent reporting.

Please let us know if you have any questions.

Thank you,



Kelly Lowery, GIT

Project Geologist

214-733-3165

Ensolum, LLC



Kelly Lowery

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Tuesday, October 1, 2024 9:04 AM
To: Kelly Lowery
Cc: 'Dittrich, John W'; Pierce, Tyson (Legacy Safety & Consulting LLC); Beaux Jennings; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD
Subject: (Send the OCD borehole results when completed) - Extension Request: Pure Gold A Federal 005 (Incident ID: nAPP2410138519)

[**EXTERNAL EMAIL**]

Kelly,

The OCD will need to see the results of the borehole before we can give a 2nd and final extension. Shallow perched water zones are considered groundwater. These are not part of the major aquifer structure and exist all over southeastern New Mexico. Anything below 10,000 mg/L is protectable. Send us the drill log of the borehole when completed. If water is not visible after reaching bottom-hole and waiting 72 hours, the OCD will take another look and back date the extension request. Until then, please move forward as quickly as possible with the remediation work.

Regards,

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



From: Kelly Lowery <klowery@ensolum.com>
Sent: Monday, September 30, 2024 2:46 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: 'Dittrich, John W' <Wade_Dittrich@oxy.com>; Pierce, Tyson (Legacy Safety & Consulting LLC) <Tyson_Pierce@oxy.com>; Beaux Jennings <bjennings@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Extension Request: Pure Gold A Federal 005 (Incident ID: nAPP2410138519)

Hi Robert, the site assessment/characterization for this incident was submitted to the OCD portal on 4/15/2024. I've attached our Closure Criteria Map that shows the site receptors for the area. There is one well drilled in July of 2003 just outside of the 0.5-mile radius buffer zone (C-02954 EXPL) with a total depth of 905 ft bgs but no DTW information recorded on the OSE website (see attached). As previously mentioned, Ensolum and Oxy are in the process of having a DTW boring drilled within 0.5-mile from the Site to confirm the presence or absence of groundwater at this site and are waiting on the documentation to be processed and approved by the NMOSE to do

so. With this in mind and with the information attached, we humbly ask that you please approve the extension request.

Thank you and have a good day,



Kelly Lowery, GIT

Project Geologist

214-733-3165

Ensolum, LLC



From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

Sent: Monday, September 30, 2024 2:58 PM

To: Kelly Lowery <klowery@ensolum.com>

Cc: 'Dittrich, John W' <Wade_Dittrich@oxy.com>; Pierce, Tyson (Legacy Safety & Consulting LLC) <Tyson_Pierce@oxy.com>; Beaux Jennings <bjennings@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Subject: RE: [EXTERNAL] Extension Request: Pure Gold A Federal 005 (Incident ID: nAPP2410138519)

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

Kelly,

An extension for this incident has already been granted. The OCD will need to see the full Site Assessment/Characterization before another extension can be granted. The OCD needs to know if there are any receptors or possibility of groundwater contamination. Please include depth to groundwater determination, either through a known water source within half mile or drilling of a borehole. Please include attachment, so we can review.

Regards,

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

506 W. Texas Ave. | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

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



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Monday, September 30, 2024 1:06 PM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: FW: [EXTERNAL] Extension Request: Pure Gold A Federal 005 (Incident ID: nAPP2410138519)

From: Kelly Lowery <klowery@ensolum.com>
Sent: Monday, September 30, 2024 1:04 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Dittrich, John W <Wade_Dittrich@oxy.com>; Pierce, Tyson (Legacy Safety & Consulting LLC) <tyson_pierce@oxy.com>; Beaux Jennings <bjennings@ensolum.com>
Subject: [EXTERNAL] Extension Request: Pure Gold A Federal 005 (Incident ID: nAPP2410138519)

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

Good afternoon,

On behalf of Oxy USA, Inc, Ensolum, LLC would like to request a 90-day extension for the Pure Gold A Federal 005 (Incident ID: nAPP2410138519). Excavation activities are currently on-going at the Site but have been delayed due to scheduling challenges with personnel and contractors. Additionally, access to drill a depth-to-water boring was recently approved by the BLM and we are now in the process of submitting the WR-07: Application for Permit to Drill a Well with No Consumptive Use and the WD-08: Well Plugging Plan of Operations Permit to the New Mexico Office of the State Engineer. We ask that you please approve this extension request for future sampling, drilling and plugging operations, and subsequent reporting. Please let us know if you have any questions.

Thank you,



Kelly Lowery, GIT
Project Geologist
214-733-3165
Ensolum, LLC
in f



APPENDIX C

Photographic Documentation

Project: Pure Gold A Federal 005
Entity: Oxy USA, Inc
Incident ID: nAPP2410138519



View of release area prior to remediation activities, facing north (April 10, 2024).



View of release area prior to remediation activities, facing southeast (April 10, 2024).

Project: Pure Gold A Federal 005
Entity: Oxy USA, Inc
Incident ID: nAPP2410138519



View of excavation extent during remediation activities, facing southwest (October 10, 2024).



View of excavation extent during remediation activities, facing south (October 10, 2024).

Project: Pure Gold A Federal 005
Entity: Oxy USA, Inc
Incident ID: nAPP2410138519

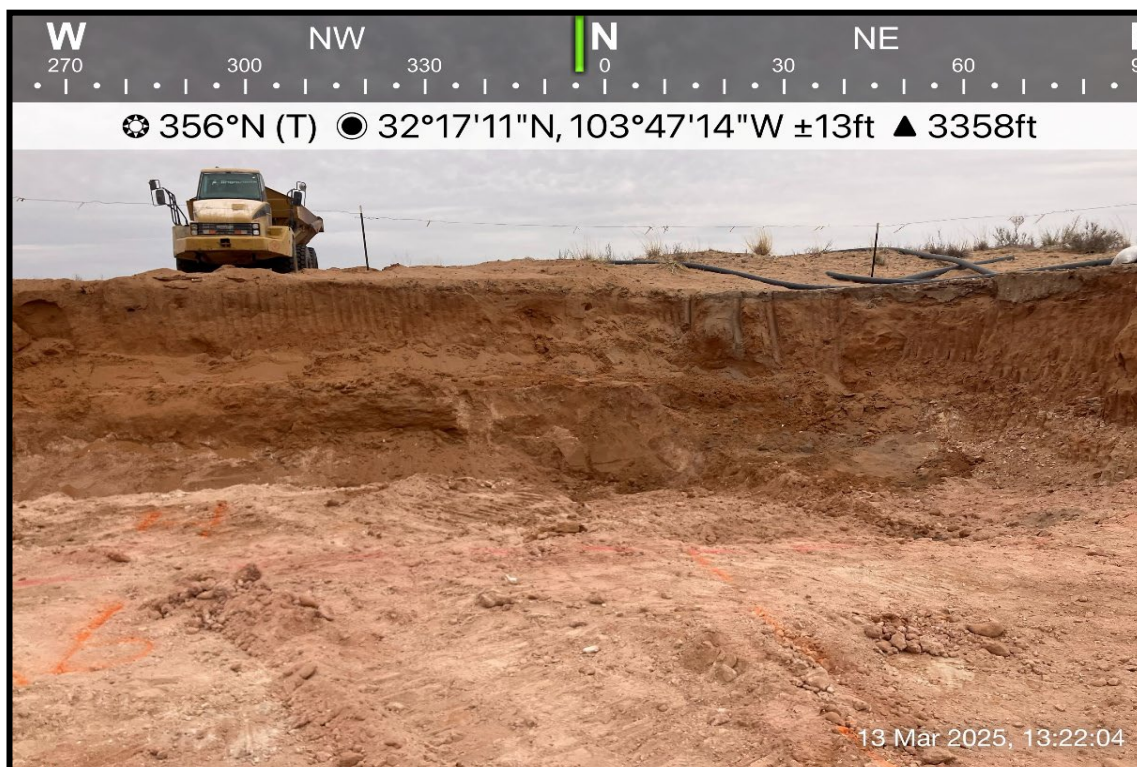


View of excavation extent during remediation activities, facing west (February 28, 2025).

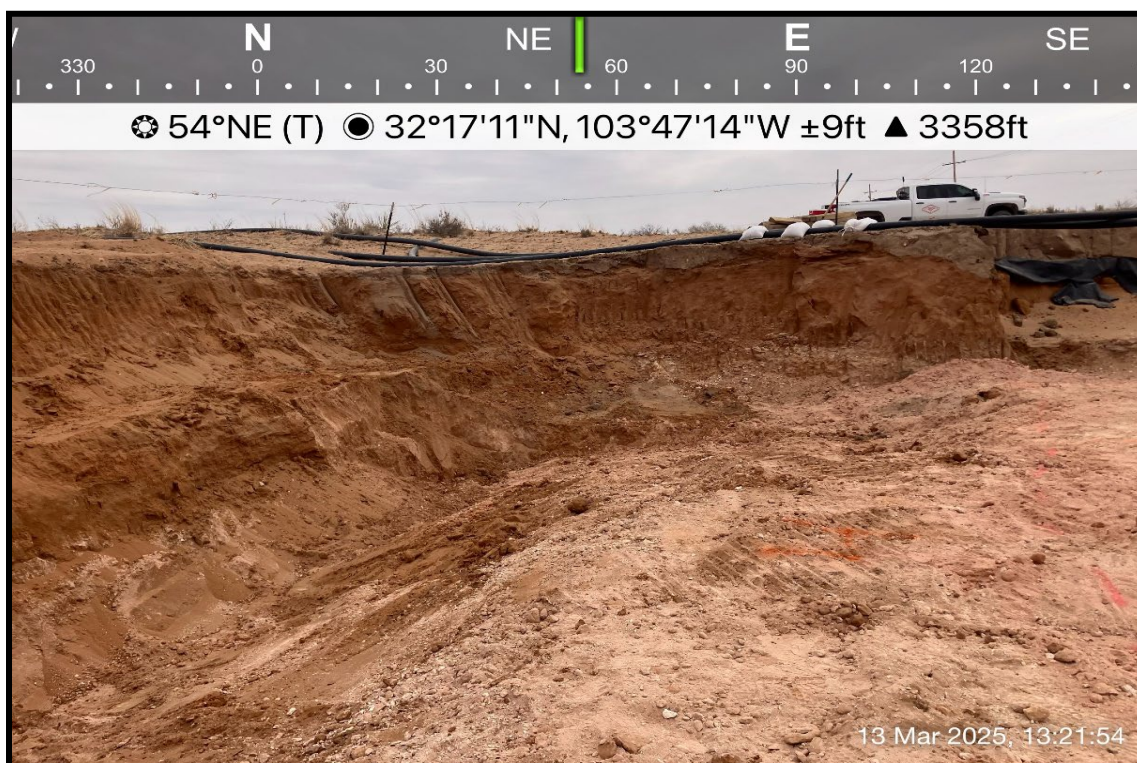


View of excavation extent during remediation activities, facing northeast (February 28, 2025).

Project: Pure Gold A Federal 005
Entity: Oxy USA, Inc
Incident ID: nAPP2410138519



View of final excavation during remediation activities, facing north (March 13, 2025).



View of final excavation during remediation activities, facing northeast (March 13, 2025).

Project: Pure Gold A Federal 005
Entity: Oxy USA, Inc
Incident ID: nAPP2410138519



View of final excavation during remediation activities, facing southeast (March 13, 2025).



View of final excavation during remediation activities, facing southwest (March 13, 2025).

Project: Pure Gold A Federal 005
Entity: Oxy USA, Inc
Incident ID: nAPP2410138519



View of excavation extent post backfill activities, facing west (June 16, 2025).



View of excavation extent post backfill activities, facing north (June 16, 2025).



APPENDIX D

Table


TABLE 1
FLOOR SOIL SAMPLE ANALYTICAL RESULTS
 Pure Gold A Federal 005
 Oxy USA, Inc.
 Eddy County, New Mexico
 Ensolum Project No. 03B1417169

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH (GRO+DRO) (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (> 100 feet)			10	NE	NE	NE	50	1,000	NE	2,500	20,000
Composite Floor Soil Sample Analytical Results											
FS01	10/10/2024	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	11,000
FS02	10/10/2024	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	1,360
FS03	10/10/2024	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	4,720
FS04	10/10/2024	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	2,080
FS05	10/10/2024	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	6,480
FS06	10/10/2024	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	6,400
FS07	10/10/2024	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	6,560
FS08	10/10/2024	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	26,000
	02/26/2025	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	10,000
FS09	10/10/2024	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	40,000
	02/26/2025	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	22,000
	03/13/2025	9	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	13,800
FS10	10/10/2024	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	40,000
	02/26/2025	11	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	25,600
	03/12/2025	15	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	16,000
FS11	10/10/2024	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	2,680
FS12	10/10/2024	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	68,000
	02/26/2025	9	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	26,000
	03/12/2025	10	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	15,400
FS13	10/10/2024	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	53,300
	02/26/2025	9	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	27,200
	03/12/2025	11	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	14,000
FS14	10/10/2024	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	6,660
FS15	10/10/2024	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	1,460
FS16	10/10/2024	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	43,200
	02/26/2025	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	3,700
FS17	10/10/2024	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	256
FS18	10/10/2024	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	80.0
FS19	02/28/2025	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	5,280
FS20	02/28/2025	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	4,160
FS21	02/28/2025	7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	15,600
FS22	03/13/2025	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	6,640
FS23	03/13/2025	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	3,400
Composite Sidewall Soil Sample Analytical Results											
SW03	03/13/2025	4 - 5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	1,900
SW04	03/13/2025	4 - 5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	272
SW06	03/13/2025	4 - 10	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	8,160
SW09	03/12/2025	6 - 9	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	13,400

TABLE 1
FLOOR SOIL SAMPLE ANALYTICAL RESULTS
Pure Gold A Federal 005
Oxy USA, Inc.
Eddy County, New Mexico
Ensolum Project No. 03B1417169

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH (GRO+DRO) (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (> 100 feet)			10	NE	NE	NE	50	1,000	NE	2,500	20,000
SW10	03/12/2025	6 - 15	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	18,800
SW12	03/13/2025	6 - 10	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	18,400
SW13	03/13/2025	6 - 11	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	10,400

Concentrations in **bold** and yellow exceed the New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (> 100 feet)

 Additional Excavation and/or Re-Sample

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

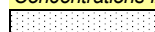
TPH: Total Petroleum Hydrocarbon

TABLE 2
SIDEWALL SOIL SAMPLE ANALYTICAL RESULTS

Pure Gold A Federal 005
Oxy USA, Inc.
Eddy County, New Mexico
Ensolum Project No. 03B1417169

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 Sidewall Soil Sample Analytical Results												
SW01*	10/10/2024	0 - 6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	6,660
SW02*	10/10/2024	0 - 5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5,500
SW03	10/10/2024	0 - 5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3,320
	03/13/2025	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
SW04	10/10/2024	0 - 5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3,400
	03/13/2025	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
SW05	10/10/2024	0 - 5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	7,120
	02/27/2025	0 - 6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
SW06	10/10/2024	0 - 6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	24,000
	03/13/2025	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
SW07	10/10/2024	0 - 5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
SW08	10/10/2024	0 - 5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400

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

 Additional Excavation and/or Re-Sample

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

*: Sample Locations Removed During Excavation Activities

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



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

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

bgs: below ground surface

mg/kg: milligrams per kilogram

NA: Not Applicable

NE: Not Established

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation



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

October 17, 2024

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PURE GOLD A FEDERAL 005

Enclosed are the results of analyses for samples received by the laboratory on 10/11/24 13:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 17 5' (H246213-01)

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	10/16/2024	ND	2.09	105	2.00	3.11		
Toluene*	<0.050	0.050	10/16/2024	ND	2.26	113	2.00	2.28		
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.34	117	2.00	2.22		
Total Xylenes*	<0.150	0.150	10/16/2024	ND	7.12	119	6.00	1.96		
Total BTX	<0.300	0.300	10/16/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	10/16/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	231	116	200	6.50	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	210	105	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 18 5' (H246213-02)

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	10/16/2024	ND	2.09	105	2.00	3.11		
Toluene*	<0.050	0.050	10/16/2024	ND	2.26	113	2.00	2.28		
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.34	117	2.00	2.22		
Total Xylenes*	<0.150	0.150	10/16/2024	ND	7.12	119	6.00	1.96		
Total BTEX	<0.300	0.300	10/16/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/16/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	231	116	200	6.50	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	210	105	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 148 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 07 0-5' (H246213-03)

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	10/16/2024	ND	2.09	105	2.00	3.11	
Toluene*	<0.050	0.050	10/16/2024	ND	2.26	113	2.00	2.28	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.34	117	2.00	2.22	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	7.12	119	6.00	1.96	
Total BTEx	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	10/16/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	231	116	200	6.50	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	210	105	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 08 0-5' (H246213-04)

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	10/16/2024	ND	2.09	105	2.00	3.11	
Toluene*	<0.050	0.050	10/16/2024	ND	2.26	113	2.00	2.28	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.34	117	2.00	2.22	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	7.12	119	6.00	1.96	
Total BTEx	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	10/16/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2024	ND	231	116	200	6.50	
DRO >C10-C28*	<10.0	10.0	10/16/2024	ND	210	105	200	6.43	
EXT DRO >C28-C36	<10.0	10.0	10/16/2024	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 01 5' (H246213-05)

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	10/16/2024	ND	2.09	105	2.00	3.11	
Toluene*	<0.050	0.050	10/16/2024	ND	2.26	113	2.00	2.28	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.34	117	2.00	2.22	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	7.12	119	6.00	1.96	
Total BTEx	<0.300	0.300	10/16/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11000	16.0	10/16/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	206	103	200	6.20	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	202	101	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 02 5' (H246213-06)

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	10/16/2024	ND	2.09	105	2.00	3.11		
Toluene*	<0.050	0.050	10/16/2024	ND	2.26	113	2.00	2.28		
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.34	117	2.00	2.22		
Total Xylenes*	<0.150	0.150	10/16/2024	ND	7.12	119	6.00	1.96		
Total BTEX	<0.300	0.300	10/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	1360	16.0	10/16/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	206	103	200	6.20	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	202	101	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 103 % 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 03 5' (H246213-07)

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	10/16/2024	ND	2.09	105	2.00	3.11	
Toluene*	<0.050	0.050	10/16/2024	ND	2.26	113	2.00	2.28	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.34	117	2.00	2.22	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	7.12	119	6.00	1.96	
Total BTEx	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4720	16.0	10/16/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	206	103	200	6.20	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	202	101	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 04 5' (H246213-08)

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	10/16/2024	ND	2.09	105	2.00	3.11	
Toluene*	<0.050	0.050	10/16/2024	ND	2.26	113	2.00	2.28	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.34	117	2.00	2.22	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	7.12	119	6.00	1.96	
Total BTEx	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	10/16/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	206	103	200	6.20	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	202	101	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 05 5' (H246213-09)

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	10/16/2024	ND	2.09	105	2.00	3.11		
Toluene*	<0.050	0.050	10/16/2024	ND	2.26	113	2.00	2.28		
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.34	117	2.00	2.22		
Total Xylenes*	<0.150	0.150	10/16/2024	ND	7.12	119	6.00	1.96		
Total BTEx	<0.300	0.300	10/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6480	16.0	10/16/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	206	103	200	6.20	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	202	101	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 06 5' (H246213-10)

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	10/16/2024	ND	2.09	105	2.00	3.11		
Toluene*	<0.050	0.050	10/16/2024	ND	2.26	113	2.00	2.28		
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.34	117	2.00	2.22		
Total Xylenes*	<0.150	0.150	10/16/2024	ND	7.12	119	6.00	1.96		
Total BTEx	<0.300	0.300	10/16/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6400	16.0	10/16/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	206	103	200	6.20	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	202	101	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 07 5' (H246213-11)

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	10/16/2024	ND	2.09	105	2.00	3.11	
Toluene*	<0.050	0.050	10/16/2024	ND	2.26	113	2.00	2.28	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.34	117	2.00	2.22	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	7.12	119	6.00	1.96	
Total BTEX	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	6560	16.0	10/16/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	206	103	200	6.20	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	202	101	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 08 6' (H246213-12)

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	10/16/2024	ND	2.09	105	2.00	3.11		
Toluene*	<0.050	0.050	10/16/2024	ND	2.26	113	2.00	2.28		
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.34	117	2.00	2.22		
Total Xylenes*	<0.150	0.150	10/16/2024	ND	7.12	119	6.00	1.96		
Total BTEX	<0.300	0.300	10/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	26000	16.0	10/16/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	206	103	200	6.20	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	202	101	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 09 6' (H246213-13)

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	10/16/2024	ND	2.09	105	2.00	3.11		
Toluene*	<0.050	0.050	10/16/2024	ND	2.26	113	2.00	2.28		
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.34	117	2.00	2.22		
Total Xylenes*	<0.150	0.150	10/16/2024	ND	7.12	119	6.00	1.96		
Total BTEX	<0.300	0.300	10/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	40000	16.0	10/16/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	206	103	200	6.20	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	202	101	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 10 6' (H246213-14)

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	10/16/2024	ND	2.09	105	2.00	3.11		
Toluene*	<0.050	0.050	10/16/2024	ND	2.26	113	2.00	2.28		
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.34	117	2.00	2.22		
Total Xylenes*	<0.150	0.150	10/16/2024	ND	7.12	119	6.00	1.96		
Total BTEx	<0.300	0.300	10/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	40000	16.0	10/16/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	206	103	200	6.20	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	202	101	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 11 5' (H246213-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/16/2024	ND	2.09	105	2.00	3.11		
Toluene*	<0.050	0.050	10/16/2024	ND	2.26	113	2.00	2.28		
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.34	117	2.00	2.22		
Total Xylenes*	<0.150	0.150	10/16/2024	ND	7.12	119	6.00	1.96		
Total BTEx	<0.300	0.300	10/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2680	16.0	10/16/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	206	103	200	6.20	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	202	101	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 12 6' (H246213-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/16/2024	ND	2.09	105	2.00	3.11		
Toluene*	<0.050	0.050	10/16/2024	ND	2.26	113	2.00	2.28		
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.34	117	2.00	2.22		
Total Xylenes*	<0.150	0.150	10/16/2024	ND	7.12	119	6.00	1.96		
Total BTEX	<0.300	0.300	10/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	68000	16.0	10/16/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	206	103	200	6.20	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	202	101	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 13 6' (H246213-17)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2024	ND	2.09	105	2.00	3.11	
Toluene*	<0.050	0.050	10/16/2024	ND	2.26	113	2.00	2.28	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.34	117	2.00	2.22	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	7.12	119	6.00	1.96	
Total BTEX	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	53300	16.0	10/16/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	206	103	200	6.20	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	202	101	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 14 6' (H246213-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/16/2024	ND	2.09	105	2.00	3.11		
Toluene*	<0.050	0.050	10/16/2024	ND	2.26	113	2.00	2.28		
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.34	117	2.00	2.22		
Total Xylenes*	<0.150	0.150	10/16/2024	ND	7.12	119	6.00	1.96		
Total BTEX	<0.300	0.300	10/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	6660	16.0	10/16/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	206	103	200	6.20	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	202	101	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 15 5' (H246213-19)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2024	ND	2.09	105	2.00	3.11	
Toluene*	<0.050	0.050	10/16/2024	ND	2.26	113	2.00	2.28	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.34	117	2.00	2.22	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	7.12	119	6.00	1.96	
Total BTEx	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1460	16.0	10/16/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	206	103	200	6.20	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	202	101	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 16 5' (H246213-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/15/2024	ND	2.03	102	2.00	3.40		
Toluene*	<0.050	0.050	10/15/2024	ND	2.10	105	2.00	2.33		
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.14	107	2.00	1.90		
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.41	107	6.00	2.13		
Total BTEx	<0.300	0.300	10/15/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	43200	16.0	10/16/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	206	103	200	6.20	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	202	101	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 01 0-6' (H246213-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/15/2024	ND	2.03	102	2.00	3.40		
Toluene*	<0.050	0.050	10/15/2024	ND	2.10	105	2.00	2.33		
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.14	107	2.00	1.90		
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.41	107	6.00	2.13		
Total BTEX	<0.300	0.300	10/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	6660	16.0	10/15/2024	ND	416	104	400	7.41	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	206	103	200	6.20	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	202	101	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 02 0-5' (H246213-22)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2024	ND	2.03	102	2.00	3.40	
Toluene*	<0.050	0.050	10/15/2024	ND	2.10	105	2.00	2.33	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.41	107	6.00	2.13	
Total BTEx	<0.300	0.300	10/15/2024	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	5500	16.0	10/15/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	206	103	200	6.20	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	202	101	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 03 0-5' (H246213-23)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2024	ND	2.03	102	2.00	3.40	
Toluene*	<0.050	0.050	10/16/2024	ND	2.10	105	2.00	2.33	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.41	107	6.00	2.13	
Total BTEX	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	3320	16.0	10/15/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	206	103	200	6.20	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	202	101	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 04 0-5' (H246213-24)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2024	ND	2.03	102	2.00	3.40	
Toluene*	<0.050	0.050	10/16/2024	ND	2.10	105	2.00	2.33	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.41	107	6.00	2.13	
Total BTEX	<0.300	0.300	10/16/2024	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	3400	16.0	10/15/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	206	103	200	6.20	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	202	101	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 05 0-5' (H246213-25)

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	10/16/2024	ND	2.03	102	2.00	3.40	
Toluene*	<0.050	0.050	10/16/2024	ND	2.10	105	2.00	2.33	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.41	107	6.00	2.13	
Total BTX	<0.300	0.300	10/16/2024	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	7120	16.0	10/15/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	211	105	200	7.34	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	191	95.6	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/11/2024
 Reported: 10/17/2024
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 10/10/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 06 0-6' (H246213-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/16/2024	ND	2.03	102	2.00	3.40		
Toluene*	<0.050	0.050	10/16/2024	ND	2.10	105	2.00	2.33		
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.14	107	2.00	1.90		
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.41	107	6.00	2.13		
Total BTEX	<0.300	0.300	10/16/2024	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	24000	16.0	10/15/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	211	105	200	7.34	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	191	95.6	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

Project Manager: Kelly Lowery Klowery@Ensolum.com

Address: 601 N. Marland St. STE 400

City: Midland

State: TX Zip: 79701

Phone #: (214) 733-3165

Fax #:

Project #:

Project Name:

Project Location:

Sample Name:

Leah Nunez

FOR LAB USE ONLY

ANALYSIS REQUEST

P.O. #:

Company: OXY USA

Attn: Wade Dietrich

Address:

City:

State:

Zip:

Phone #:

Fax #:

Lab I.D.

Sample I.D.

Depth (feet)

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

TPH 8015M

BTEX 8021B

CHLORIDE 4500

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Relinquished By:

Date: 10/11/24

Time: 1:35

Received By:

Signature

Date:

Time:

Received By:

Signature

Date:

Time:

Verbal Result:

Yes

No

Add'l Phone #:

Remarks:

Thermometer ID:

Correction Factor:

Standard

Observed Temp. °C

Corrected Temp. °C

Thermometer ID:

Correction Factor:

Standard

Observed Temp. °C

Corrected Temp. °C

Thermometer ID:

Correction Factor:

Standard

Observed Temp. °C

Corrected Temp. °C

Thermometer ID:

Correction Factor:

Standard

Observed Temp. °C

Corrected Temp. °C

Thermometer ID:

Correction Factor:

Standard

Observed Temp. °C

Corrected Temp. °C

Thermometer ID:

Correction Factor:

Standard

Observed Temp. °C

Corrected Temp. °C

Delivered By: (Circle One)

Observed Temp. °C

Corrected Temp. °C

Sample Condition

Cool

Intact

Yes

No

Checked By:

Signature

Date:

Time:

Verbal Result:

Yes

No

Add'l Phone #:

Remarks:

Thermometer ID:

Correction Factor:

Standard

Observed Temp. °C

Corrected Temp. °C

Thermometer ID:

Correction Factor:

Standard

Observed Temp. °C

Corrected Temp. °C

Thermometer ID:

Correction Factor:

Standard

Observed Temp. °C

Corrected Temp. °C

Thermometer ID:

Correction Factor:

Standard

Observed Temp. °C

Corrected Temp. °C

Thermometer ID:

Correction Factor:

Standard

Observed Temp. °C

Corrected Temp. °C

Thermometer ID:

Correction Factor:

Standard

Observed Temp. °C

FORM-006 R 3.2 10/07/21

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



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

March 03, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PURE GOLD A FEDERAL 005

Enclosed are the results of analyses for samples received by the laboratory on 02/26/25 15:35.

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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/26/2025	Sampling Date:	02/26/2025
Reported:	03/03/2025	Sampling Type:	Soil
Project Name:	PURE GOLD A FEDERAL 005	Sampling Condition:	Cool & Intact
Project Number:	03B1417169	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

Sample ID: FS 08 8 (H251157-01)

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	02/28/2025	ND	1.80	90.0	2.00	4.55	
Toluene*	<0.050	0.050	02/28/2025	ND	1.92	96.0	2.00	4.18	
Ethylbenzene*	<0.050	0.050	02/28/2025	ND	1.89	94.5	2.00	4.35	
Total Xylenes*	<0.150	0.150	02/28/2025	ND	5.56	92.7	6.00	4.90	
Total BTX	<0.300	0.300	02/28/2025	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	10000	16.0	02/27/2025	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	02/27/2025	ND	209	105	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/27/2025	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/27/2025	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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



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

Analytical Results For:

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

Received:	02/26/2025	Sampling Date:	02/26/2025
Reported:	03/03/2025	Sampling Type:	Soil
Project Name:	PURE GOLD A FEDERAL 005	Sampling Condition:	Cool & Intact
Project Number:	03B1417169	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

Sample ID: FS 09 8 (H251157-02)

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	02/28/2025	ND	1.80	90.0	2.00	4.55		
Toluene*	<0.050	0.050	02/28/2025	ND	1.92	96.0	2.00	4.18		
Ethylbenzene*	<0.050	0.050	02/28/2025	ND	1.89	94.5	2.00	4.35		
Total Xylenes*	<0.150	0.150	02/28/2025	ND	5.56	92.7	6.00	4.90		
Total BTEX	<0.300	0.300	02/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 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	22000	16.0	02/27/2025	ND	400	100	400	3.92	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2025	ND	209	105	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/27/2025	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/27/2025	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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



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

Analytical Results For:

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

Received: 02/26/2025
 Reported: 03/03/2025
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 02/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 10 11 (H251157-03)

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	02/28/2025	ND	1.80	90.0	2.00	4.55		
Toluene*	<0.050	0.050	02/28/2025	ND	1.92	96.0	2.00	4.18		
Ethylbenzene*	<0.050	0.050	02/28/2025	ND	1.89	94.5	2.00	4.35		
Total Xylenes*	<0.150	0.150	02/28/2025	ND	5.56	92.7	6.00	4.90		
Total BTEX	<0.300	0.300	02/28/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	25600	16.0	02/27/2025	ND	400	100	400	3.92		

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	02/27/2025	ND	209	105	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/27/2025	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/27/2025	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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



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

Analytical Results For:

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

Received: 02/26/2025
 Reported: 03/03/2025
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 02/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 12 9 (H251157-04)

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	02/28/2025	ND	1.80	90.0	2.00	4.55		
Toluene*	<0.050	0.050	02/28/2025	ND	1.92	96.0	2.00	4.18		
Ethylbenzene*	<0.050	0.050	02/28/2025	ND	1.89	94.5	2.00	4.35		
Total Xylenes*	<0.150	0.150	02/28/2025	ND	5.56	92.7	6.00	4.90		
Total BTEX	<0.300	0.300	02/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 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	26000	16.0	02/27/2025	ND	400	100	400	3.92		

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	02/27/2025	ND	209	105	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/27/2025	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/27/2025	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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



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

Analytical Results For:

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

Received:	02/26/2025	Sampling Date:	02/26/2025
Reported:	03/03/2025	Sampling Type:	Soil
Project Name:	PURE GOLD A FEDERAL 005	Sampling Condition:	Cool & Intact
Project Number:	03B1417169	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

Sample ID: FS 13 9 (H251157-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2025	ND	1.80	90.0	2.00	4.55		
Toluene*	<0.050	0.050	02/28/2025	ND	1.92	96.0	2.00	4.18		
Ethylbenzene*	<0.050	0.050	02/28/2025	ND	1.89	94.5	2.00	4.35		
Total Xylenes*	<0.150	0.150	02/28/2025	ND	5.56	92.7	6.00	4.90		
Total BTEX	<0.300	0.300	02/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 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	27200	16.0	02/27/2025	ND	400	100	400	3.92		

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	02/27/2025	ND	209	105	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/27/2025	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/27/2025	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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



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

Analytical Results For:

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

Received: 02/26/2025
 Reported: 03/03/2025
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 02/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 16 6 (H251157-06)

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	02/28/2025	ND	1.80	90.0	2.00	4.55		
Toluene*	<0.050	0.050	02/28/2025	ND	1.92	96.0	2.00	4.18		
Ethylbenzene*	<0.050	0.050	02/28/2025	ND	1.89	94.5	2.00	4.35		
Total Xylenes*	<0.150	0.150	02/28/2025	ND	5.56	92.7	6.00	4.90		
Total BTEx	<0.300	0.300	02/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3700	16.0	02/27/2025	ND	400	100	400	3.92		

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	02/27/2025	ND	209	105	200	1.64	
DRO >C10-C28*	<10.0	10.0	02/27/2025	ND	200	99.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	02/27/2025	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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



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

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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 "Mike Snyder", is written over a horizontal line.

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



~~CHAIN-OF-CUSTODY AND ANALYSIS REQUEST~~

[illegible]



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

March 04, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PURE GOLD A FEDERAL 005

Enclosed are the results of analyses for samples received by the laboratory on 02/27/25 15:12.

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 "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/27/2025
 Reported: 03/04/2025
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 02/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW 05 0-6' (H251198-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2025	ND	1.71	85.7	2.00	2.45	
Toluene*	<0.050	0.050	03/03/2025	ND	1.87	93.6	2.00	3.31	
Ethylbenzene*	<0.050	0.050	03/03/2025	ND	1.87	93.4	2.00	4.30	
Total Xylenes*	<0.150	0.150	03/03/2025	ND	5.53	92.2	6.00	3.92	
Total BTEX	<0.300	0.300	03/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 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	02/28/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2025	ND	206	103	200	2.59	
DRO >C10-C28*	<10.0	10.0	02/28/2025	ND	202	101	200	0.103	
EXT DRO >C28-C36	<10.0	10.0	02/28/2025	ND					

Surrogate: 1-Chlorooctane 116 % 71.8-148

Surrogate: 1-Chlorooctadecane 117 % 63.9-155

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



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

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

Ensolam, LEO

ANALYSIS REQUEST

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager: Donna Jennings Kelly Lowery		P.O. #:	
Address: 601 N Martenfeld Street, Suite 400		Company: Oxy USA Inc.	
City: Midland		Attn: Wade Dittrich	
State: TX Zip: 79701		Address:	
Phone #: 210-219-8858 Fax #:		City:	
Project #: 0381117169 Project Owner:		State: Zip:	
Project Location: Pure Gold A Federal 005		Phone #: 575-390-2828	
Sampler Name: Kaoru Shimada		Fax #:	

FOR LAB USE ONLY		FOR LAB USE ONLY	
Lab I.D. H51198	Sample I.D. SW05	Depth (feet) 0-6'	(G)RAB OR (C)OMP. C1
		MATRIX	
		GROUNDWATER	
		WASTEWATER	
		SOIL	
		OIL	
		SLUDGE	
OTHER :		ACID/BASE: ICE / COOL OTHER :	
DATE 2-27-25		TIME 1203	
		DATE	
		TIME	
		DATE	
		TIME	
TPH 2015M		Chloride 4500	
BTEX 802LB			
Feb 27 2025			

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Relinquished By:	Date: 2/27/25	Received By:
Relinquished By:	Date: 2/27/25	Received By:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 1.8°C	Corrected Temp. °C 2.1°C	Sample Condition Cool Intact Yes Yes No No	CHECKED BY: (Initials) SK	Turnaround Time: 3-Day TAT	Standard Rush <input checked="" type="checkbox"/>	Bacteria (only) Cool Intact Yes Yes No No	Sample Condition Observed Temp. °C Corrected Temp. °C
Remarks: Kelly Lowery @ oxyalum.com								



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

March 05, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PURE GOLD A FEDERAL 005

Enclosed are the results of analyses for samples received by the laboratory on 02/28/25 15:07.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/28/2025	Sampling Date:	02/28/2025
Reported:	03/05/2025	Sampling Type:	Soil
Project Name:	PURE GOLD A FEDERAL 005	Sampling Condition:	Cool & Intact
Project Number:	03B1417169	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

Sample ID: FS 19 6 (H251231-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2025	ND	1.79	89.7	2.00	1.11	
Toluene*	<0.050	0.050	03/04/2025	ND	1.91	95.6	2.00	0.689	
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	1.86	93.2	2.00	0.429	
Total Xylenes*	<0.150	0.150	03/04/2025	ND	5.47	91.1	6.00	0.410	
Total BTEx	<0.300	0.300	03/04/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 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	5280	16.0	03/03/2025	ND	432	108	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2025	ND	198	99.1	200	0.840	
DRO >C10-C28*	<10.0	10.0	03/03/2025	ND	206	103	200	1.82	
EXT DRO >C28-C36	<10.0	10.0	03/03/2025	ND					

Surrogate: 1-Chlorooctane 111 % 71.8-148

Surrogate: 1-Chlorooctadecane 127 % 63.9-155

Cardinal Laboratories

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

Received:	02/28/2025	Sampling Date:	02/28/2025
Reported:	03/05/2025	Sampling Type:	Soil
Project Name:	PURE GOLD A FEDERAL 005	Sampling Condition:	Cool & Intact
Project Number:	03B1417169	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

Sample ID: FS 21 7 (H251231-02)

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	03/04/2025	ND	1.79	89.7	2.00	1.11		
Toluene*	<0.050	0.050	03/04/2025	ND	1.91	95.6	2.00	0.689		
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	1.86	93.2	2.00	0.429		
Total Xylenes*	<0.150	0.150	03/04/2025	ND	5.47	91.1	6.00	0.410		
Total BTEX	<0.300	0.300	03/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15600	16.0	03/03/2025	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	03/03/2025	ND	198	99.1	200	0.840	
DRO >C10-C28*	<10.0	10.0	03/03/2025	ND	206	103	200	1.82	
EXT DRO >C28-C36	<10.0	10.0	03/03/2025	ND					

Surrogate: 1-Chlorooctane 98.8 % 71.8-148

Surrogate: 1-Chlorooctadecane 113 % 63.9-155

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

Received:	02/28/2025	Sampling Date:	02/28/2025
Reported:	03/05/2025	Sampling Type:	Soil
Project Name:	PURE GOLD A FEDERAL 005	Sampling Condition:	Cool & Intact
Project Number:	03B1417169	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

Sample ID: FS 20 6 (H251231-03)

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	03/04/2025	ND	1.91	95.7	2.00	1.77		
Toluene*	<0.050	0.050	03/04/2025	ND	2.12	106	2.00	2.24		
Ethylbenzene*	<0.050	0.050	03/04/2025	ND	2.33	116	2.00	1.83		
Total Xylenes*	<0.150	0.150	03/04/2025	ND	7.24	121	6.00	1.49		
Total BTEX	<0.300	0.300	03/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 129 % 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	4160	16.0	03/03/2025	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	03/03/2025	ND	198	99.1	200	0.840	
DRO >C10-C28*	<10.0	10.0	03/03/2025	ND	206	103	200	1.82	
EXT DRO >C28-C36	<10.0	10.0	03/03/2025	ND					

Surrogate: 1-Chlorooctane 112 % 71.8-148

Surrogate: 1-Chlorooctadecane 127 % 63.9-155

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

Notes and Definitions

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

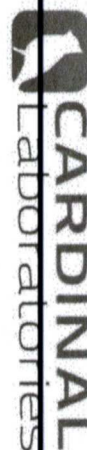
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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

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



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

March 20, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PURE GOLD A FEDERAL 005

Enclosed are the results of analyses for samples received by the laboratory on 03/14/25 9:22.

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 style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/14/2025	Sampling Date:	03/12/2025
Reported:	03/20/2025	Sampling Type:	Soil
Project Name:	PURE GOLD A FEDERAL 005	Sampling Condition:	Cool & Intact
Project Number:	03B1417169	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

Sample ID: SW 09 6-9' (H251530-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	1.81	90.3	2.00	4.82	
Toluene*	<0.050	0.050	03/18/2025	ND	1.91	95.6	2.00	3.86	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	1.95	97.3	2.00	3.67	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	6.05	101	6.00	2.59	
Total BTEX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	13400	16.0	03/17/2025	ND	416	104	400	7.41		

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	03/17/2025	ND	210	105	200	0.511	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	202	101	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.3 % 40.6-153

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

Received: 03/14/2025
 Reported: 03/20/2025
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 10 6-15' (H251530-02)

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	03/17/2025	ND	1.81	90.3	2.00	4.82	
Toluene*	<0.050	0.050	03/17/2025	ND	1.91	95.6	2.00	3.86	
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	1.95	97.3	2.00	3.67	
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.05	101	6.00	2.59	
Total BTEx	<0.300	0.300	03/17/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18800	16.0	03/17/2025	ND	416	104	400	7.41		

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	03/17/2025	ND	210	105	200	0.511	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	202	101	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 80.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.0 % 40.6-153

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

Received:	03/14/2025	Sampling Date:	03/12/2025
Reported:	03/20/2025	Sampling Type:	Soil
Project Name:	PURE GOLD A FEDERAL 005	Sampling Condition:	Cool & Intact
Project Number:	03B1417169	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

Sample ID: SW 12 6-10' (H251530-03)

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	03/17/2025	ND	1.81	90.3	2.00	4.82		
Toluene*	<0.050	0.050	03/17/2025	ND	1.91	95.6	2.00	3.86		
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	1.95	97.3	2.00	3.67		
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.05	101	6.00	2.59		
Total BTEX	<0.300	0.300	03/17/2025	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	18400	16.0	03/17/2025	ND	416	104	400	7.41		

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	03/17/2025	ND	210	105	200	0.511	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	202	101	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 83.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.9 % 40.6-153

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

Received: 03/14/2025
 Reported: 03/20/2025
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 13 6-11' (H251530-04)

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	03/17/2025	ND	1.81	90.3	2.00	4.82		
Toluene*	<0.050	0.050	03/17/2025	ND	1.91	95.6	2.00	3.86		
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	1.95	97.3	2.00	3.67		
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.05	101	6.00	2.59		
Total BTEX	<0.300	0.300	03/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	10400	16.0	03/17/2025	ND	416	104	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	210	105	200	0.511	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	202	101	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 92.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC

Project Manager: Kelly Lowery

Address: 601 N. Marland St. STE 400

City: Midland

Phone #: 214-733-3165

Project #: 0381417169

Project Name: Pure Gold A Federal 005

Project Location: Eddy Co, NM

Sample Name: Nitrobenzimidazole, Kevin Shumaker

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: Oxy USA, Inc.

Attn: Wade Dittich

Address:

City:

State:

Phone #: 575-390-2828

Fax #:

PRESERV:

SAMPLING

Lab I.D. Sample I.D.

Sample Depth (feet)

405/530

SW04
SW10
SW12
SW13

6-9'
6-15'
6-10'
6-11'

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

03/12/25 14:57

03/12/25 14:08

03/12/25 11:55

03/12/25 09:49

BTEX 8021B

TPH 8015M

Chloride 4500

NFE 3/13/25

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Relinquished By:

Nitrobenzimidazole

Date: 03/13/25

Time: 08:02

Received By:

03/13/25

Date:

Time:

Received By:

03/13/25

Date:

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Received By:

03/13/25

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Nitrobenzimidazole

Date: 03/13/25

Time: 08:02

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Nitrobenzimidazole

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Nitrobenzimidazole

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Nitrobenzimidazole

Date: 03/13/25

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Received By:

03/13/25

Date:

Time:

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



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

March 20, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PURE GOLD A FEDERAL 005

Enclosed are the results of analyses for samples received by the laboratory on 03/14/25 9:22.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/14/2025	Sampling Date:	03/13/2025
Reported:	03/20/2025	Sampling Type:	Soil
Project Name:	PURE GOLD A FEDERAL 005	Sampling Condition:	Cool & Intact
Project Number:	03B1417169	Sample Received By:	Alyssa Parras
Project Location:	OXY - EDDY CO NM		

Sample ID: SW 06 0-4' (H251531-01)

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	03/17/2025	ND	1.81	90.3	2.00	4.82	
Toluene*	<0.050	0.050	03/17/2025	ND	1.91	95.6	2.00	3.86	
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	1.95	97.3	2.00	3.67	
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.05	101	6.00	2.59	
Total BTX	<0.300	0.300	03/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	64.0	16.0	03/17/2025	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	03/17/2025	ND	210	105	200	0.511	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	202	101	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 95.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.6 % 40.6-153

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

Received: 03/14/2025
 Reported: 03/20/2025
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 06 4-10' (H251531-02)

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	03/17/2025	ND	1.81	90.3	2.00	4.82		
Toluene*	<0.050	0.050	03/17/2025	ND	1.91	95.6	2.00	3.86		
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	1.95	97.3	2.00	3.67		
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.05	101	6.00	2.59		
Total BTEx	<0.300	0.300	03/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	8160	16.0	03/17/2025	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	03/17/2025	ND	210	105	200	0.511	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	202	101	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.9 % 40.6-153

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

Received: 03/14/2025
 Reported: 03/20/2025
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 03 0-4' (H251531-03)

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	03/17/2025	ND	1.81	90.3	2.00	4.82		
Toluene*	<0.050	0.050	03/17/2025	ND	1.91	95.6	2.00	3.86		
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	1.95	97.3	2.00	3.67		
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.05	101	6.00	2.59		
Total BTEx	<0.300	0.300	03/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	144	16.0	03/17/2025	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	03/17/2025	ND	210	105	200	0.511	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	202	101	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 85.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.5 % 40.6-153

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

Received: 03/14/2025
 Reported: 03/20/2025
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 03 4-5' (H251531-04)

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	03/17/2025	ND	1.81	90.3	2.00	4.82		
Toluene*	<0.050	0.050	03/17/2025	ND	1.91	95.6	2.00	3.86		
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	1.95	97.3	2.00	3.67		
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.05	101	6.00	2.59		
Total BTEX	<0.300	0.300	03/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1900	16.0	03/17/2025	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	03/17/2025	ND	210	105	200	0.511	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	202	101	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/14/2025
 Reported: 03/20/2025
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 04 0-4' (H251531-05)

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	03/17/2025	ND	1.81	90.3	2.00	4.82	
Toluene*	<0.050	0.050	03/17/2025	ND	1.91	95.6	2.00	3.86	
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	1.95	97.3	2.00	3.67	
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.05	101	6.00	2.59	
Total BTX	<0.300	0.300	03/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	80.0	16.0	03/17/2025	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	03/17/2025	ND	210	105	200	0.511	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	202	101	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 90.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/14/2025
 Reported: 03/20/2025
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 04 4-5' (H251531-06)

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	03/17/2025	ND	1.81	90.3	2.00	4.82	
Toluene*	<0.050	0.050	03/17/2025	ND	1.91	95.6	2.00	3.86	
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	1.95	97.3	2.00	3.67	
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.05	101	6.00	2.59	
Total BTX	<0.300	0.300	03/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	272	16.0	03/17/2025	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	03/17/2025	ND	210	105	200	0.511	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	202	101	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 92.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC						BILL TO						ANALYSIS REQUEST											
Project Manager: Kelly Lowery						P.O. #:																	
Address: 601 N. Marienfeld St. STE 400						Company: Oxy USA, Inc.																	
City: Midland						Attn: Wade Dittich																	
State: TX Zip: 79701						Address:																	
Phone #: 214-733-3165 Fax #:						City:																	
Project #: 038647169 Project Owner: OXY						State:																	
Project Location: Pure apt A Federal BOS						Phone #: 575-390-2628																	
Sampler Name: Nicholas Christakos, Katarina Shimada						Fax #:																	
FOR LAB USE ONLY																							
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING											
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :													
H051531	SW06	0-4'	C	1	<input checked="" type="checkbox"/>								DATE	TIME	<div style="font-family: monospace; font-size: large;"> BTEX 8015A TPH 8015M Chloride 4500 BTEX 8021B </div>								
2	SW06	4-10'	C	1									03/13/25	09:01									
3	SW03	0-4'	C	1									03/13/25	14:48									
4	SW03	4-5'	C	1									03/13/25	10:10									
5	SW04	0-4'	C	1									03/13/25	09:43									
6	SW04	4-5'	C	1									03/13/25	09:47	<div style="font-family: monospace; font-size: large;"> NFE 3/13/25 </div>								

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Reinquisitioned By: Nicholas Christakos		Date: 03/13/25	Received By:
Relinquished By:		Date: 03/14	Received By:
Time:		Time:	
Observed Temp.: °C		Corrected Temp.: °C	
Sample Condition		Checked BY: (Initials)	
Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: Standard Rush <input type="checkbox"/> <input checked="" type="checkbox"/>	
Thermometer ID #414140		All Results are emailed. Please provide Email address:	
Correction Factor -0.5°C +0.3°C		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Klowery@ensolum.com	



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

March 20, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: PURE GOLD A FEDERAL 005

Enclosed are the results of analyses for samples received by the laboratory on 03/14/25 9:22.

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

Received: 03/14/2025
 Reported: 03/20/2025
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 09 9' (H251532-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2025	ND	1.81	90.3	2.00	4.82	
Toluene*	<0.050	0.050	03/17/2025	ND	1.91	95.6	2.00	3.86	
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	1.95	97.3	2.00	3.67	
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.05	101	6.00	2.59	
Total BTEX	<0.300	0.300	03/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	13800	16.0	03/17/2025	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	03/17/2025	ND	210	105	200	0.511	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	202	101	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 88.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/14/2025
 Reported: 03/20/2025
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 10 15' (H251532-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/17/2025	ND	1.81	90.3	2.00	4.82		
Toluene*	<0.050	0.050	03/17/2025	ND	1.91	95.6	2.00	3.86		
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	1.95	97.3	2.00	3.67		
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.05	101	6.00	2.59		
Total BTX	<0.300	0.300	03/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	16000	16.0	03/17/2025	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	03/17/2025	ND	201	101	200	5.48	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	209	104	200	7.37	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 92.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.2 % 40.6-153

Cardinal Laboratories

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

Received: 03/14/2025
 Reported: 03/20/2025
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 12 10' (H251532-03)

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	03/17/2025	ND	1.81	90.3	2.00	4.82		
Toluene*	<0.050	0.050	03/17/2025	ND	1.91	95.6	2.00	3.86		
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	1.95	97.3	2.00	3.67		
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.05	101	6.00	2.59		
Total BTX	<0.300	0.300	03/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	15400	16.0	03/17/2025	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	03/17/2025	ND	201	101	200	5.48	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	209	104	200	7.37	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.7 % 40.6-153

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

Received: 03/14/2025
 Reported: 03/20/2025
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 13 11' (H251532-04)

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	03/17/2025	ND	1.81	90.3	2.00	4.82		
Toluene*	<0.050	0.050	03/17/2025	ND	1.91	95.6	2.00	3.86		
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	1.95	97.3	2.00	3.67		
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.05	101	6.00	2.59		
Total BTEx	<0.300	0.300	03/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	14000	16.0	03/17/2025	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	03/17/2025	ND	201	101	200	5.48	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	209	104	200	7.37	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 96.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/14/2025
 Reported: 03/20/2025
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 22 5' (H251532-05)

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	03/17/2025	ND	1.81	90.3	2.00	4.82		
Toluene*	<0.050	0.050	03/17/2025	ND	1.91	95.6	2.00	3.86		
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	1.95	97.3	2.00	3.67		
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.05	101	6.00	2.59		
Total BTX	<0.300	0.300	03/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	6640	16.0	03/17/2025	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	03/17/2025	ND	201	101	200	5.48	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	209	104	200	7.37	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 95.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/14/2025
 Reported: 03/20/2025
 Project Name: PURE GOLD A FEDERAL 005
 Project Number: 03B1417169
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 23 5' (H251532-06)

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	03/17/2025	ND	1.81	90.3	2.00	4.82		
Toluene*	<0.050	0.050	03/17/2025	ND	1.91	95.6	2.00	3.86		
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	1.95	97.3	2.00	3.67		
Total Xylenes*	<0.150	0.150	03/17/2025	ND	6.05	101	6.00	2.59		
Total BTX	<0.300	0.300	03/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	3400	16.0	03/17/2025	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	03/17/2025	ND	201	101	200	5.48	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	209	104	200	7.37	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 95.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.2 % 40.6-153

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC Project Manager: Kelly Lowery Address: 601 N. Mainfield St. STE 400 City: Midland State: TX Zip: 79701 Phone #: 214-733-3165 Fax #: Project #: 03BL17169 Project Owner: Oxy Project Name: Pure Gold A Federal OGS Project Location: Eddy Co, NM Sampler Name: Alvin Charles, Kevin Salinas				P.O. #: Company: Oxy USA, Inc. Attn: Wade Dittich Address: City: State: Zip: Phone #: 575-390-2628 Fax #:																
FOR LAB USE ONLY				BILL TO				ANALYSIS REQUEST												
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	MATRIX	PRESERV.	SAMPLING	TPH 8015 M Chloride 4500 BTEX 8021B										
														SOIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	
105532	FS09	9'		1			<input checked="" type="checkbox"/>		03/13/25 08:22											
	FS10	15'		1			<input checked="" type="checkbox"/>		03/13/25 13:49											
	FS12	10'		1			<input checked="" type="checkbox"/>		03/13/25 10:34											
	FS13	11'		1			<input checked="" type="checkbox"/>		03/13/25 09:36											
	FS22	5'		1			<input checked="" type="checkbox"/>		03/13/25 12:56											
	FS23	5'		1			<input checked="" type="checkbox"/>		03/13/25 12:54											
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Relinquished By: _____ Date: 03/13/25 Time: _____				Received By: _____ Date: 03/13/25 Time: _____				REMARKS: Sample type is Comp, not grab.												
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____				Observed Temp. °C: 4.2 Corrected Temp. °C: 4.5				Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>				CHECKED BY: (Initials) AP Turnaround Time: 03/14/25 Correction Factor: 0.5C/1.3								



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

October 03, 2024

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: MILLS RANCH PIT

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 72.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.3 % 49.1-148

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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", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC Project Manager: Kelly Lowery Address: 601 N Marlenfeld Street, Suite 400 City: Midland State: TX Zip: 79701 Phone #: 214-733-3165 Fax #: Project #: 03BL447139 Project Owner: Project Name: Mills Ranch PH Project Location: Lea County, NM Sample Name: NKD										P.O. #: Address: City: State: Zip: Phone #: Fax #:									
FOR LAB USE ONLY Lab I.D. Sample I.D. Depth (feet) Matrix: (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME										BILL TO ANALYSIS REQUEST									
										(Grid for Analysis Request)									

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Relinquished By: _____ Relinquished By: _____ Relinquished By: _____										Received By: _____ Received By: _____ Received By: _____									
Turnaround Time: _____ Thermometer ID #: _____ Correction Factor: _____										Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: Remarks: _____ Remarks: _____ Remarks: _____									

Bacteria (only) Sample Condition
 Cool Intact ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No
 Observed Temp. °C
 Corrected Temp. °C

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 521426

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521426
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2410138519
Incident Name	NAPP2410138519 PURE GOLD A FEDERAL 005 @ L-21-23S-31E
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	Pure Gold A Federal 005
Date Release Discovered	04/03/2024
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: Equipment Failure Other (Specify) Produced Water Released: 12 BBL Recovered: 0 BBL Lost: 12 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Equipment failure from nipple on transfer poly flow line.

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

QUESTIONS, Page 2

Action 521426

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521426
	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: Daniel Sparks Title: Environmental Analyst III Email: daniel_sparks@oxy.com Date: 10/30/2025
----------------------------------------------------	-------------------------------------------------------------------------------------------------------------

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

General Information
Phone: (505) 629-6116

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

QUESTIONS, Page 3

Action 521426

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521426
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
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	Greater than 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	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	68000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	10/10/2024
On what date will (or did) the final sampling or liner inspection occur	03/13/2025
On what date will (or was) the remediation complete(d)	03/13/2025
What is the estimated surface area (in square feet) that will be reclaimed	4562
What is the estimated volume (in cubic yards) that will be reclaimed	676
What is the estimated surface area (in square feet) that will be remediated	4562
What is the estimated volume (in cubic yards) that will be remediated	1104

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

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

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General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 521426

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521426
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 5

Action 521426

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521426
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 521426

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521426
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	440290
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/14/2025
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	2000

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	4562
What was the total volume (cubic yards) remediated	1104
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	4562
What was the total volume (in cubic yards) reclaimed	676
Summarize any additional remediation activities not included by answers (above)	NA

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

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

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

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QUESTIONS, Page 7

Action 521426

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521426
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 521426

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521426
	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 #nAPP2410138519 Pure Gold A Federal 005, thank you. This Remediation Closure Report is approved.	12/3/2025