



March 30, 2026

New Mexico Oil Conservation Division

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

**Re: Closure Request
Gold Log 4 9 Federal Com 23H
Incident Number NAPP2511355099
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Oxy USA Inc. (Oxy), has prepared this *Closure Request* to document excavation and soil sampling activities performed at Gold Log 4 9 Federal Com 23H (Site). The purpose of the excavation and soil sampling activities was to address impacted soil resulting from a release produced water and crude oil at the Site. Based on field observations, excavation activities, and laboratory analytical results from the soil sampling events, Oxy is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Number NAPP2511355099.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit D, Section 04, Township 22 South, Range 32 East, in Lea County, New Mexico (32.426113°, -103.684997°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On April 7, 2025, an overflowing tank staged onsite during drilling activities resulted in the release of approximately 5 barrels (bbls) of produced water and 7 bbls of crude oil onto the pad, with no fluids recovered. Oxy reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Notification of Release (NOR) Form and an Initial C-141 (Form C-141) on April 23, 2025. The release was assigned Incident Number NAPP2511355099.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized for applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Potential Site receptors are identified on Figure 4.

Depth to groundwater is estimated to be between 51 feet and 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-03717, located approximately 1.31 miles southeast of the Site. The well was drilled on August 4, 2014, with a total depth of 650 feet below ground surface (bgs) and groundwater first encountered at 55 feet bgs. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site based on the National Hydrography Dataset (NHD) map is an ephemeral stream, located approximately 4,660 feet southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake, greater than 300 feet from a wetland, and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 500 feet from a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes and greater than 1,000 feet to any freshwater well or spring. The Site is not within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance, and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO): 100 mg/kg
- Chloride: 600 mg/kg

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

EXCAVATION ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

Between October 6, 2025 and November 19, 2025, Ensolum personnel were at the Site to oversee excavation activities of impacted soil in the area using a backhoe and transport vehicles. To direct excavation activities, soil was screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID), TPH utilizing a calibrated PetroFLAG® Soil Reagents test kit, and chlorides utilizing Hach® chloride QuanTab® test strips. The excavation was completed to depths ranging from 1-foot to 2.5 feet bgs. Photographic documentation of the excavation activities is included in Appendix B.

Following removal of impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS18 were collected from the floor of the excavation at depths ranging from 1-foot to 2.5 feet bgs. Composite soil samples SW01 through SW04 were collected from the sidewalls of the excavation at depths ranging from the 0 feet to 2.5 feet bgs. The excavation extent and excavation soil sample locations were mapped utilizing a handheld GPS and are presented on Figure 3.

Samples were placed in pre-cleaned glass jars labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following constituents of concern (COCs): BTEX following Unites States Environmental Protection Agency (EPA) Method 8021B, TPH-GRO, TPH-DRO, and TPH-Oil Range Organics (ORO) following EPA Method 8015M/D, and chloride following Standard Method SM-4500 Cl-B.

Oxy USA, Inc.
 Closure Request
 Gold Log 4 9 Federal Com 23H

Page 3

Laboratory analytical results for the final excavation floor soil samples FS01 through FS18, the final excavation sidewall soil samples SW01 through SW04 indicated all COC concentrations were compliant with the applicable Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix C.

The final excavation areas measured approximately 3,453 square feet and a total of approximately 252 cubic yards of impacted soil was removed, transported, and properly disposed of at Lea Land Facility in Hobbs, New Mexico. Subsequent to receipt of final laboratory analytical results, the excavation on the pad was backfilled with clean caliche fill material and recontoured back to original grade. A sample of the backfill material was collected and sent to Cardinal for analysis of the same COCs as mentioned above. Laboratory analytical results from the backfill sample indicated all COCs were compliant with the strictest Table I Closure Criteria. The backfill laboratory analytical results are summarized in Table 2 and the complete laboratory analytical report is included as Appendix C.

CLOSURE REQUEST

Excavation activities were conducted at the Site to the extent practical to address the April 2025 release of produced water and crude oil. Laboratory analytical results for all final excavation confirmation soil samples indicated all COC concentrations were compliant with the applicable Table I Closure Criteria. A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the pad that were impacted by the release, per 19.15.29.13 D (1) NMAC for the top 4 feet of areas that will be immediately reclaimed following remediation.

Oxy believes the remedial actions completed are protective of human health, the environment, and groundwater. As such, Oxy respectfully requests closure for Incident Number NAPP2511355099.

If you have any questions or comments, please contact Ms. Kelly Lowery at (214) 733-3165 or klowery@ensolum.com.

Sincerely,
Ensolum, LLC



Kelly Lowery
 Project Geologist



Beaux Jennings
 Associate Principal

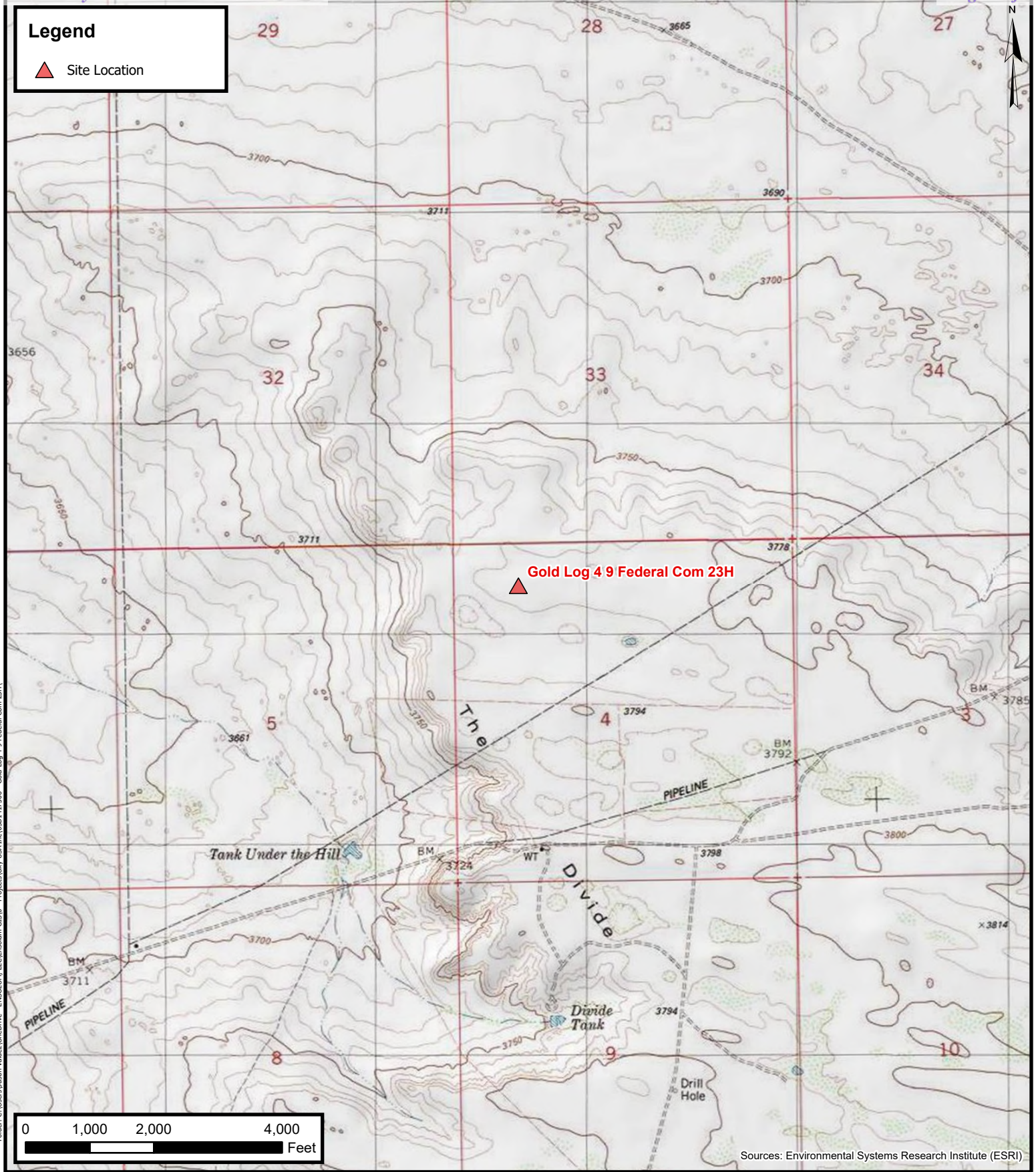
cc: Daniel Sparks, Oxy
 BLM

Appendices:

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



FIGURES



Folder: C:\Users\Justin.Velazquez\OneDrive - ENSOLUM, LLC\Ensolium GIS\0 - Projects\Oxy USA, Inc\0381417306 - Gold Log 4 9 Federal Com 23H

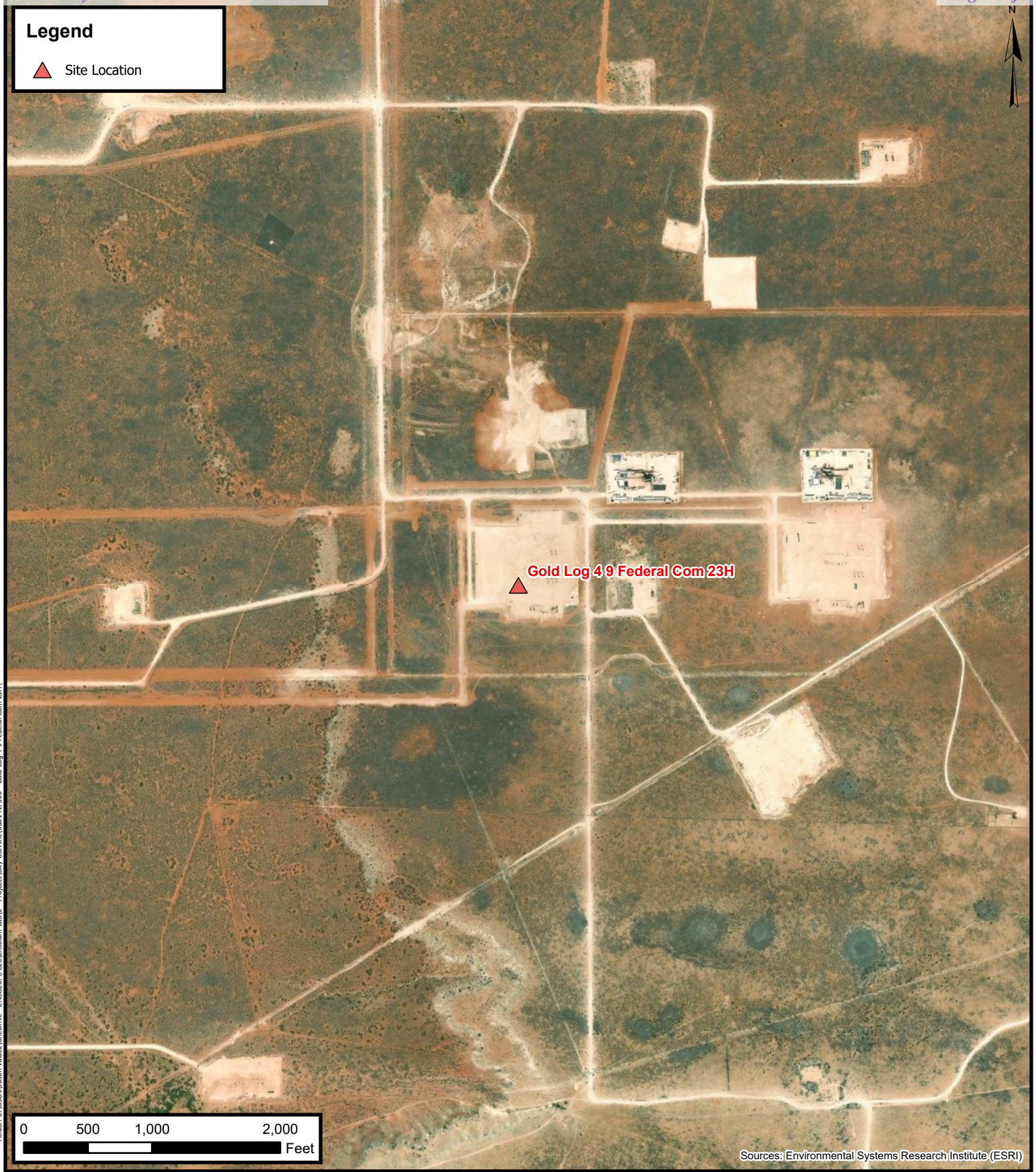
ENSOLUM
 Environmental, Engineering and
 Hydrogeologic Consultants

Topographic Map
 Oxy USA Inc.
 Gold Log 4 9 Federal Com 23H
 Incident Number: nAPP2511355099
 Unit D, Section 4, Township 22 South, Range 32 East
 Lea County, New Mexico

FIGURE
 1

Legend

▲ Site Location



Folder: C:\Users\Justin Velazquez\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Oxy USA, Inc\036147206 - Gold Log 4 9 Federal Com 23H

0 500 1,000 2,000 Feet

Sources: Environmental Systems Research Institute (ESRI)



Site Vicinity Map

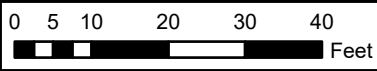
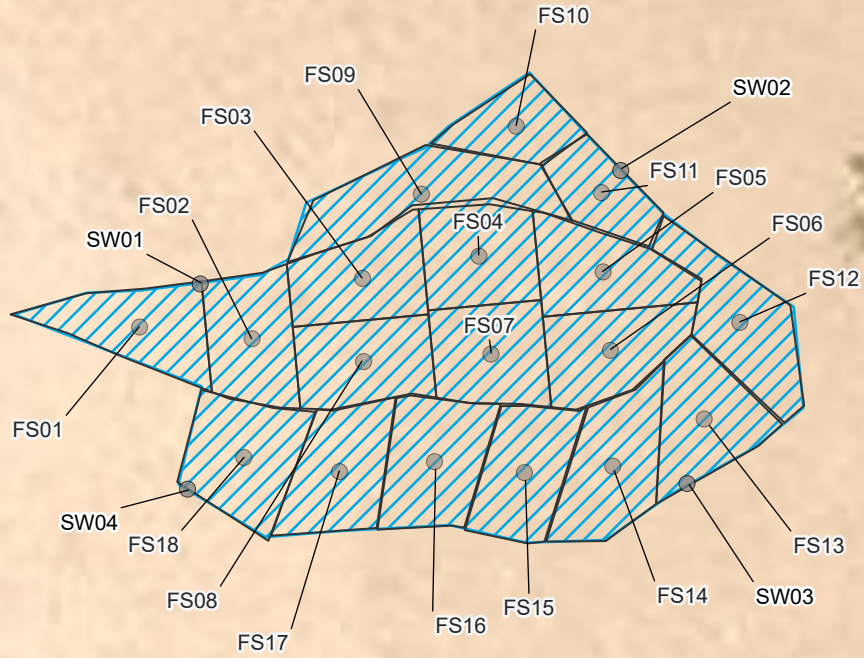
Oxy USA Inc.
Gold Log 4 9 Federal Com 23H
Incident Number: nAPP2511355099
Unit D, Section 4, Township 22 South, Range 32 East
Lea County, New Mexico

FIGURE

2

Legend

- Soil Sample
- ▨ Excavation Extent
- Sample Grid



Sources: Environmental Systems Research Institute (ESRI)

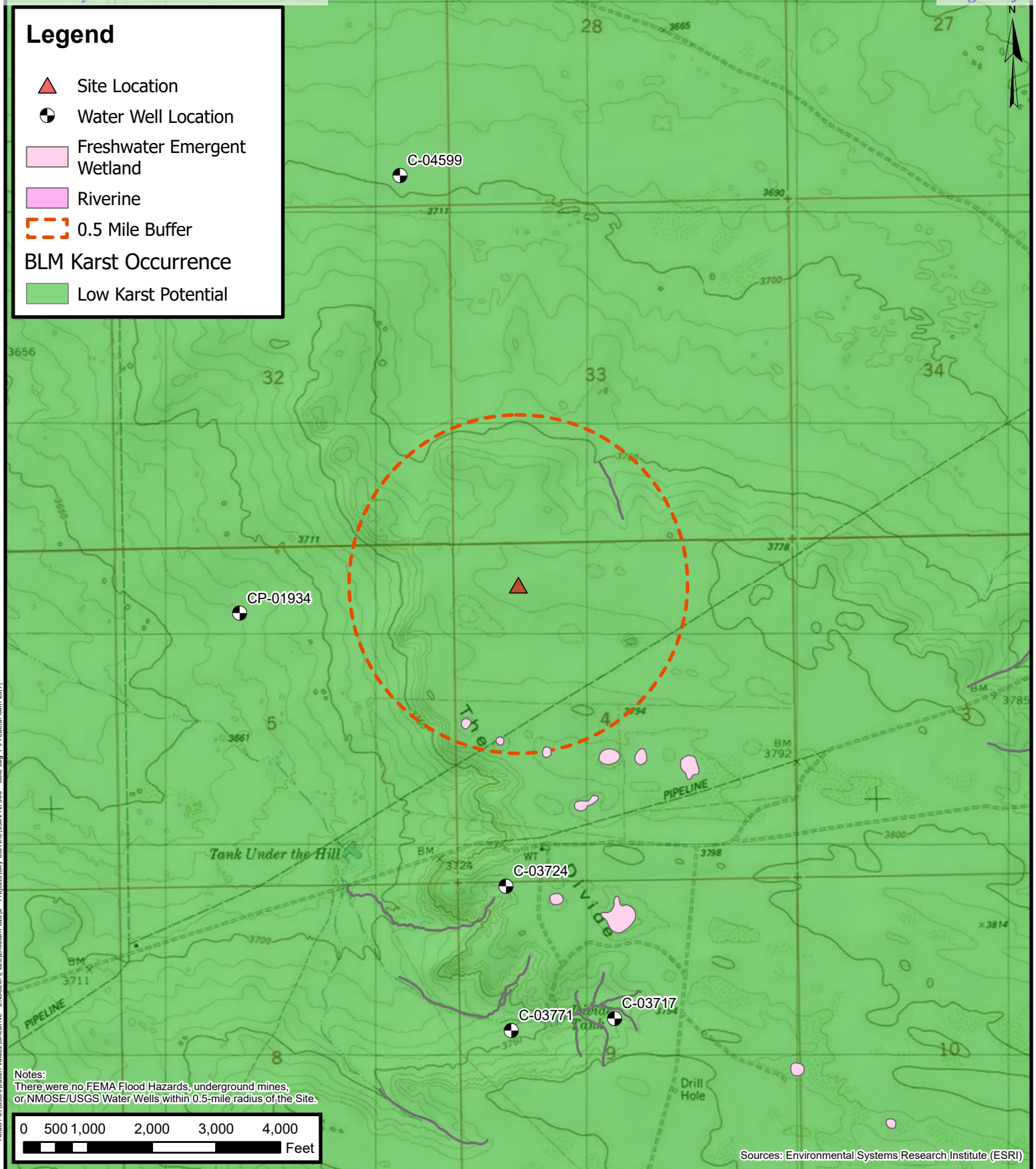


Site Map

Oxy USA Inc.
 Gold Log 4 9 Federal Com 23H
 Incident Number: nAPP2511355099
 Unit D, Section 4, Township 22 South, Range 32 East
 Lea County, New Mexico

FIGURE

3



Closure Criteria Map
 Oxy USA Inc.
 Gold Log 4 9 Federal Com 23H
 Incident Number: nAPP2511355099
 Unit D, Section 4, Township 22 South, Range 32 East
 Lea County, New Mexico

FIGURE
4



TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Gold Log 4 9 Federal Com 23H
 Oxy USA Inc.
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Excavation Floor Soil Sample Analytical Results										
FS01	10/17/2025	1	<0.050	<0.300	<10.0	24.2	<10.0	24.2	24.2	496
FS02	10/17/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
FS03	10/17/2025	1	<0.050	<0.300	<10.0	45.2	<10.0	45.2	45.2	384
FS04	10/17/2025	1	<0.050	<0.300	<10.0	27.3	<10.0	27.3	27.3	448
FS05	10/06/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
FS06	10/06/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
FS07	10/17/2025	1	<0.050	<0.300	<10.0	18.1	<10.0	18.1	18.1	336
FS08	10/17/2025	1.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS09	10/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
FS10	11/19/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
FS11	11/19/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS12	11/19/2025	2.5	<0.050	<0.300	<10.0	41.3	<10.0	41.3	41.3	432
FS13	11/19/2025	2.5	<0.050	<0.300	<10.0	52.9	<10.0	52.9	52.9	352
FS14	11/19/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS15	11/19/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
FS16	11/19/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
FS17	11/19/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
FS18	11/19/2025	2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Gold Log 4 9 Federal Com 23H
 Oxy USA Inc.
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Excavation Sidewall Soil Sample Analytical Results										
SW01	11/18/2025	0-1	<0.050	<0.300	<10.0	21.9	<10.0	21.9	21.9	368
SW02	11/19/2025	0-2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SW03	11/19/2025	0-2.5	<0.050	<0.300	<10.0	13.7	<10.0	13.7	13.7	400
SW04	11/19/2025	0-2.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400

Notes:

bgs: below ground surface
mg/kg: milligrams per kilogram
NE: Not Established
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
TPH: Total Petroleum Hydrocarbon
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics



TABLE 2
BACKFILL SOIL SAMPLE ANALYTICAL RESULTS
 Gold Log 4 9 Federal Com 23H
 Oxy USA Inc.
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Backfill Soil Sample Analytical Results										
Lea Land Backfill	12/12/2025	NA	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144

Notes:

bgs: below ground surface
mg/kg: milligrams per kilogram
NA: Not Applicable
NE: Not Established
NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code *BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes*
TPH: Total Petroleum Hydrocarbon
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics



APPENDIX A

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

				OSE FILE NUMBER(S) C 3717	
WELL OWNER NAME(S) SLASH 46 INC.-STACEY MILLS				PHONE (OPTIONAL)	
WELL OWNER MAILING ADDRESS PO BOX 1548				CITY LOVINGTON	STATE NM
				ZIP 88256	
WELL LOCATION (FROM GPS)	DEGREES		MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84
	LATITUDE	32	40	74.5 N	
	LONGITUDE	103	68	04 W	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE DIVIDE WELL-NE OF WIPP SITE SE SE NW S09 TS22S R 32E COUNTY LEE					


2. DRILLING & CASING INFORMATION	LICENSE NUMBER WD-1058	NAME OF LICENSED DRILLER CASEY KEY			NAME OF WELL DRILLING COMPANY KEYS DRILLING & PUMP SERVICE INC.			
	DRILLING STARTED 8-4-14	DRILLING ENDED 8-12-14	DEPTH OF COMPLETED WELL (FT) 650	BORE HOLE DEPTH (FT) 650	DEPTH WATER FIRST ENCOUNTERED (FT) 55			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT)			
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD <input type="checkbox"/> ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	-1.5	20	14-1/2"	STEEL		10"	.250	

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	20	14-1/2"	CEMENT		HAND

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/08/2012)	
FILE NUMBER	POD NUMBER	TRN NUMBER	
LOCATION			PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	5	5	TOP SOIL	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
	5	20	15	RED SAND	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
	20	25	5	HARD PINK SANDSTONE	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
	25	30	5	MULTI COLORED SANDSTONE	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
	30	55	25	RED CLAY	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
	55	72	17	MULTI COLORED SANDSTONE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
	72	110	28	RED SANDSTONE	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
	110	125	15	TAN SANDSTONE	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
	125	150	25	RED CLAY	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
	150	480	330	RED SANDSTONE	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
	480	510	30	RED CLAY	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
	510	620	110	RED SANDSTONE	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
	620	630	10	CONGLOMERATE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
	630	650	20	RED BED	<input type="checkbox"/> Y <input type="checkbox"/> N	
					<input type="checkbox"/> Y <input type="checkbox"/> N	
					<input type="checkbox"/> Y <input type="checkbox"/> N	
					<input type="checkbox"/> Y <input type="checkbox"/> N	
					<input type="checkbox"/> Y <input type="checkbox"/> N	
					<input type="checkbox"/> Y <input type="checkbox"/> N	
					<input type="checkbox"/> Y <input type="checkbox"/> N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP					TOTAL ESTIMATED WELL YIELD (gpm): 2	
<input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	WELL WAS NOT COMPLETED, NOT ENOUGH WATER.
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: CASEY KEY		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	_____ DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	POD NUMBER	TRN NUMBER
LOCATION		PAGE 2 OF 2



APPENDIX B

Photographic Log



Photographic Log
Oxy USA Inc.
Gold Log 4 9 Federal Com 23H
nAPP2511355099



Photograph: 1 Date: 4/9/2025
Description: Soil staining in release footprint
View: Northeast

Photograph: 2 Date: 4/9/2025
Description: Soil staining in release footprint
View: Northwest



Photograph: 3 Date: 10/6/2025
Description: Excavation activities
View: East

Photograph: 4 Date: 10/6/2025
Description: Excavation activities
View: West



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



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

October 09, 2025

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

RE: GOLD LOG 49 FEDERAL COM 23H

Enclosed are the results of analyses for samples received by the laboratory on 10/07/25 13:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/07/2025	Sampling Date:	10/06/2025
Reported:	10/09/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 49 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: FS05 2' (H256241-01)

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	10/07/2025	ND	1.91	95.5	2.00	3.12	
Toluene*	<0.050	0.050	10/07/2025	ND	1.98	99.1	2.00	2.45	
Ethylbenzene*	<0.050	0.050	10/07/2025	ND	1.99	99.5	2.00	2.12	
Total Xylenes*	<0.150	0.150	10/07/2025	ND	6.17	103	6.00	1.89	
Total BTEX	<0.300	0.300	10/07/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/08/2025	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	10/08/2025	ND	201	100	200	2.46	
DRO >C10-C28*	<10.0	10.0	10/08/2025	ND	206	103	200	0.567	
EXT DRO >C28-C36	<10.0	10.0	10/08/2025	ND					

Surrogate: 1-Chlorooctane 81.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.9 % 39.9-141

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:	10/07/2025	Sampling Date:	10/06/2025
Reported:	10/09/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 49 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: FS06 2' (H256241-02)

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	10/07/2025	ND	1.91	95.5	2.00	3.12		
Toluene*	<0.050	0.050	10/07/2025	ND	1.98	99.1	2.00	2.45		
Ethylbenzene*	<0.050	0.050	10/07/2025	ND	1.99	99.5	2.00	2.12		
Total Xylenes*	<0.150	0.150	10/07/2025	ND	6.17	103	6.00	1.89		
Total BTEX	<0.300	0.300	10/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/08/2025	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	10/08/2025	ND	201	100	200	2.46		
DRO >C10-C28*	<10.0	10.0	10/08/2025	ND	206	103	200	0.567		
EXT DRO >C28-C36	<10.0	10.0	10/08/2025	ND						

Surrogate: 1-Chlorooctane 79.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 72.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



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

BILL TO

P.O. #: 4502695198

Address: 601 N. Marlandfield St. STE 400

Company: OXY USA, Inc.

City: Midland

Attn: Daniel Sparks

State: TX Zip: 79701

Address:

Phone #: 214-733-3165

City:

Project #: 03B1417306

State: Zip:

Project Name: Gold Log 4 9 Federal Com 23H

Project Owner

Project Location: Lea County

Phone #:

Sampler Name: Kaoru Shinada

Email:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	Sample Depth (ft)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX										DATE	TIME	BTEX 8021 B	TPH 8015 M	Chlorides 4500	TDS
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER: ACID/BASE:	ICE / COOL	OTHER:	PRESERV.	SAMPLING						
H85624	ES05	2													10-6-25	1621	X	X	X	
	FS06	2													06-25	1601	X	X	X	
NIFE SK																				
10-6-25																				

PLEASE NOTE: Liability and Damages: Cardinal's liability and direct exclusive remedy for any claim arising under this contract or test shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other negligent or willful or wanton conduct, shall be deemed waived unless made in writing and received by Cardinal within 30 days after the date of the analysis. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, the contractor, affiliates or successors arising out of or related to the performance of services furnished by Cardinal, regardless of whether such claim is based upon any of the above stated provisions or otherwise.

Relinquished By: *[Signature]* Date: 10-7-25 Received By: *[Signature]* Date: 10-6-25

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Relinquished By: *[Signature]* Date: 10-7-25 Received By: *[Signature]* Date: 10-6-25

Relinquished By: *[Signature]* Date: 10-7-25 Received By: *[Signature]* Date: 10-6-25

Relinquished By: *[Signature]* Date: 10-7-25 Received By: *[Signature]* Date: 10-6-25

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsjm.com

Delivered By: (Circle One) UPS Bus Other: _____

Observed Temp. °C: 33 Corrected Temp. °C: 36

Sample Condition: Cool Intact

CHECKED BY: *[Signature]*

Turnaround Time: 3-Day TAT

Thermometer ID #13 #140 Correction Factor -0.3°C

Remarks: Paykey/AFENonAFEE

Verbal Result: Yes No

All Results are emailed. Please provide Email address: klowery@ensolum.com, kshinada@ensolum.com

Add'l Phone #: _____

Standard Bacteria (only) Sample Condition: Yes No

Corrected Temp. °C: _____



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

October 22, 2025

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

RE: GOLD LOG 49 FEDERAL COM 23H

Enclosed are the results of analyses for samples received by the laboratory on 10/17/25 16:23.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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,

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:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/22/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 49 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Alyssa Parras
Project Location:	OXY - LEA CO NM		

Sample ID: FS01 1' (H256589-01)

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	10/20/2025	ND	2.20	110	2.00	1.81	
Toluene*	<0.050	0.050	10/20/2025	ND	2.23	111	2.00	1.70	
Ethylbenzene*	<0.050	0.050	10/20/2025	ND	2.24	112	2.00	1.64	
Total Xylenes*	<0.150	0.150	10/20/2025	ND	6.57	110	6.00	1.24	
Total BTEX	<0.300	0.300	10/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	10/20/2025	ND	448	112	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	10/20/2025	ND	199	99.3	200	9.11	
DRO >C10-C28*	24.2	10.0	10/20/2025	ND	199	99.4	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND					

Surrogate: 1-Chlorooctane 75.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 71.1 % 39.9-141

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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:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/22/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 49 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Alyssa Parras
Project Location:	OXY - LEA CO NM		

Sample ID: FS02 1' (H256589-02)

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	10/20/2025	ND	2.20	110	2.00	1.81	
Toluene*	<0.050	0.050	10/20/2025	ND	2.23	111	2.00	1.70	
Ethylbenzene*	<0.050	0.050	10/20/2025	ND	2.24	112	2.00	1.64	
Total Xylenes*	<0.150	0.150	10/20/2025	ND	6.57	110	6.00	1.24	
Total BTEX	<0.300	0.300	10/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/20/2025	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	10/20/2025	ND	199	99.3	200	9.11	
DRO >C10-C28*	<10.0	10.0	10/20/2025	ND	199	99.4	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND					

Surrogate: 1-Chlorooctane 55.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 51.8 % 39.9-141

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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:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/22/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 49 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Alyssa Parras
Project Location:	OXY - LEA CO NM		

Sample ID: FS03 1' (H256589-03)

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	10/20/2025	ND	2.20	110	2.00	1.81	
Toluene*	<0.050	0.050	10/20/2025	ND	2.23	111	2.00	1.70	
Ethylbenzene*	<0.050	0.050	10/20/2025	ND	2.24	112	2.00	1.64	
Total Xylenes*	<0.150	0.150	10/20/2025	ND	6.57	110	6.00	1.24	
Total BTEX	<0.300	0.300	10/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/20/2025	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	10/20/2025	ND	199	99.3	200	9.11	
DRO >C10-C28*	45.2	10.0	10/20/2025	ND	199	99.4	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND					

Surrogate: 1-Chlorooctane 59.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 57.0 % 39.9-141

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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:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/22/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 49 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Alyssa Parras
Project Location:	OXY - LEA CO NM		

Sample ID: FS04 1' (H256589-04)

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	10/20/2025	ND	2.20	110	2.00	1.81	
Toluene*	<0.050	0.050	10/20/2025	ND	2.23	111	2.00	1.70	
Ethylbenzene*	<0.050	0.050	10/20/2025	ND	2.24	112	2.00	1.64	
Total Xylenes*	<0.150	0.150	10/20/2025	ND	6.57	110	6.00	1.24	
Total BTEX	<0.300	0.300	10/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	10/20/2025	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	10/20/2025	ND	199	99.3	200	9.11	
DRO >C10-C28*	27.3	10.0	10/20/2025	ND	199	99.4	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND					

Surrogate: 1-Chlorooctane 68.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 64.6 % 39.9-141

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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:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/22/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 49 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Alyssa Parras
Project Location:	OXY - LEA CO NM		

Sample ID: FS07 1' (H256589-05)

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	10/20/2025	ND	2.20	110	2.00	1.81		
Toluene*	<0.050	0.050	10/20/2025	ND	2.23	111	2.00	1.70		
Ethylbenzene*	<0.050	0.050	10/20/2025	ND	2.24	112	2.00	1.64		
Total Xylenes*	<0.150	0.150	10/20/2025	ND	6.57	110	6.00	1.24		
Total BTEX	<0.300	0.300	10/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	10/20/2025	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	10/20/2025	ND	199	99.3	200	9.11		
DRO >C10-C28*	18.1	10.0	10/20/2025	ND	199	99.4	200	9.46		
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND						

Surrogate: 1-Chlorooctane 67.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 61.5 % 39.9-141

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:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/22/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 49 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Alyssa Parras
Project Location:	OXY - LEA CO NM		

Sample ID: FS08 1.5' (H256589-06)

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	10/20/2025	ND	2.20	110	2.00	1.81	
Toluene*	<0.050	0.050	10/20/2025	ND	2.23	111	2.00	1.70	
Ethylbenzene*	<0.050	0.050	10/20/2025	ND	2.24	112	2.00	1.64	
Total Xylenes*	<0.150	0.150	10/20/2025	ND	6.57	110	6.00	1.24	
Total BTEX	<0.300	0.300	10/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/20/2025	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	10/20/2025	ND	199	99.3	200	9.11	
DRO >C10-C28*	<10.0	10.0	10/20/2025	ND	199	99.4	200	9.46	
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND					

Surrogate: 1-Chlorooctane 76.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 68.9 % 39.9-141

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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:	10/17/2025	Sampling Date:	10/17/2025
Reported:	10/22/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 49 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Alyssa Parras
Project Location:	OXY - LEA CO NM		

Sample ID: FS09 2' (H256589-07)

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	10/20/2025	ND	2.20	110	2.00	1.81		
Toluene*	<0.050	0.050	10/20/2025	ND	2.23	111	2.00	1.70		
Ethylbenzene*	<0.050	0.050	10/20/2025	ND	2.24	112	2.00	1.64		
Total Xylenes*	<0.150	0.150	10/20/2025	ND	6.57	110	6.00	1.24		
Total BTEX	<0.300	0.300	10/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/20/2025	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	10/20/2025	ND	199	99.3	200	9.11		
DRO >C10-C28*	<10.0	10.0	10/20/2025	ND	199	99.4	200	9.46		
EXT DRO >C28-C36	<10.0	10.0	10/20/2025	ND						

Surrogate: 1-Chlorooctane 71.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 64.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



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

1 of 1

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: EnSolum
 Project Manager: Kelly Lowrey
 Address: 601 N Vanierfield St
 City: Midland State: TX zip: 79701
 Phone #: 214-733-3145 Fax #: _____
 Project #: 03B1417306 Project Owner: _____
 Project Name: Gold Log 49 Federal Com 23H
 Project Location: Lea County
 Sampler Name: Shane Brooks

P.O. #: 4502695198
 Company: OKY
 Attn: David Sparks
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____

Lab I.D.	Sample I.D.	Sample Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST	
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:				ICE / COOL
1H250584	FS01	1'	C	1			X						11:00	X	BTEX 80213
	FS02	1'	C	1			X						11:08	X	TPH 8015M
	FS03	1'	C	1			X						11:09	X	Chloride 4500
	FS04	1'	C	1			X						11:05		
	FS07	1.5'	C	1			X						11:03		
	FS08	2'	C	1			X						11:11		
	FS09														

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Relinquished By: Shane Brooks Date: 10/17/25 Received By: _____
 Relinquished By: Shane Brooks Date: 10/23 Received By: OKY

Delivered By: (Circle One) Observed Temp. °C _____ Corrected Temp. °C _____
 Sampler - UPS - Bus - Other: _____
 Sample Condition: Cool Intact Yes No
 Checked By: (Initials) AB
 Turnaround Time: 3 day Standard Rush
 Bacteria (only) Sample Condition: Cool Intact Yes No
 Corrected Temp. °C _____

REMARKS: klowrey@ensolum.com, sparks@ensolum.com
OKY 0402401K
 Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

November 24, 2025

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

RE: GOLD LOG 4 9 FEDERAL COM 23H

Enclosed are the results of analyses for samples received by the laboratory on 11/20/25 14:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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:	11/20/2025	Sampling Date:	11/18/2025
Reported:	11/24/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 4 9 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SW 01 0-1' (H257302-01)

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	11/21/2025	ND	2.03	101	2.00	2.38	
Toluene*	<0.050	0.050	11/21/2025	ND	2.13	106	2.00	2.50	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.25	113	2.00	0.809	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.96	116	6.00	0.739	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	11/21/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2025	ND	184	91.8	200	5.79	
DRO >C10-C28*	21.9	10.0	11/21/2025	ND	183	91.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND					

Surrogate: 1-Chlorooctane 75.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.8 % 39.9-141

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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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/24/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 4 9 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SW 02 0-2.5' (H257302-02)

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	11/21/2025	ND	2.03	101	2.00	2.38	
Toluene*	<0.050	0.050	11/21/2025	ND	2.13	106	2.00	2.50	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.25	113	2.00	0.809	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.96	116	6.00	0.739	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/21/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2025	ND	184	91.8	200	5.79	
DRO >C10-C28*	<10.0	10.0	11/21/2025	ND	183	91.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND					

Surrogate: 1-Chlorooctane 82.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.2 % 39.9-141

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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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/24/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 4 9 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SW 03 0-2.5' (H257302-03)

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	11/21/2025	ND	2.03	101	2.00	2.38	
Toluene*	<0.050	0.050	11/21/2025	ND	2.13	106	2.00	2.50	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.25	113	2.00	0.809	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.96	116	6.00	0.739	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 70.4-141

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	11/21/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2025	ND	184	91.8	200	5.79	
DRO >C10-C28*	13.7	10.0	11/21/2025	ND	183	91.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND					

Surrogate: 1-Chlorooctane 76.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.3 % 39.9-141

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Mike Snyder For 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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/24/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 4 9 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SW 04 0-2.5' (H257302-04)

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	11/21/2025	ND	2.03	101	2.00	2.38	
Toluene*	<0.050	0.050	11/21/2025	ND	2.13	106	2.00	2.50	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.25	113	2.00	0.809	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.96	116	6.00	0.739	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

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	11/21/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2025	ND	184	91.8	200	5.79	
DRO >C10-C28*	<10.0	10.0	11/21/2025	ND	183	91.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND					

Surrogate: 1-Chlorooctane 76.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.7 % 39.9-141

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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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/24/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 4 9 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: FS 10 2' (H257302-05)

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	11/21/2025	ND	2.03	101	2.00	2.38	
Toluene*	<0.050	0.050	11/21/2025	ND	2.13	106	2.00	2.50	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	2.25	113	2.00	0.809	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	6.96	116	6.00	0.739	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/21/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2025	ND	184	91.8	200	5.79	
DRO >C10-C28*	<10.0	10.0	11/21/2025	ND	183	91.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND					

Surrogate: 1-Chlorooctane 84.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.2 % 39.9-141

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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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/24/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 4 9 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: FS 11 2.5' (H257302-06)

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	11/21/2025	ND	1.89	94.5	2.00	3.54	
Toluene*	<0.050	0.050	11/21/2025	ND	2.00	100	2.00	3.87	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.91	95.4	2.00	6.15	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.63	93.9	6.00	8.32	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/21/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2025	ND	184	91.8	200	5.79	
DRO >C10-C28*	<10.0	10.0	11/21/2025	ND	183	91.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND					

Surrogate: 1-Chlorooctane 88.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.2 % 39.9-141

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Analytical Results For:

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

Received:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/24/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 4 9 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: FS 12 2.5' (H257302-07)

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	11/21/2025	ND	1.89	94.5	2.00	3.54	
Toluene*	<0.050	0.050	11/21/2025	ND	2.00	100	2.00	3.87	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.91	95.4	2.00	6.15	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.63	93.9	6.00	8.32	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	11/21/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2025	ND	184	91.8	200	5.79	
DRO >C10-C28*	41.3	10.0	11/21/2025	ND	183	91.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND					

Surrogate: 1-Chlorooctane 81.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.9 % 39.9-141

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Mike Snyder For 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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/24/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 4 9 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: FS 13 2.5' (H257302-08)

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	11/21/2025	ND	1.89	94.5	2.00	3.54	
Toluene*	<0.050	0.050	11/21/2025	ND	2.00	100	2.00	3.87	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.91	95.4	2.00	6.15	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.63	93.9	6.00	8.32	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	11/21/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2025	ND	184	91.8	200	5.79	
DRO >C10-C28*	52.9	10.0	11/21/2025	ND	183	91.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND					

Surrogate: 1-Chlorooctane 89.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 93.9 % 39.9-141

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Mike Snyder For 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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/24/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 4 9 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: FS 14 2.5' (H257302-09)

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	11/21/2025	ND	1.89	94.5	2.00	3.54	
Toluene*	<0.050	0.050	11/21/2025	ND	2.00	100	2.00	3.87	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.91	95.4	2.00	6.15	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.63	93.9	6.00	8.32	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-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	11/21/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2025	ND	184	91.8	200	5.79	
DRO >C10-C28*	<10.0	10.0	11/21/2025	ND	183	91.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND					

Surrogate: 1-Chlorooctane 84.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.9 % 39.9-141

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Mike Snyder For 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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/24/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 4 9 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: FS 15 2.5' (H257302-10)

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	11/21/2025	ND	1.89	94.5	2.00	3.54	
Toluene*	<0.050	0.050	11/21/2025	ND	2.00	100	2.00	3.87	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.91	95.4	2.00	6.15	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.63	93.9	6.00	8.32	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/21/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2025	ND	184	91.8	200	5.79	
DRO >C10-C28*	<10.0	10.0	11/21/2025	ND	183	91.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND					

Surrogate: 1-Chlorooctane 83.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.3 % 39.9-141

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Mike Snyder For 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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/24/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 4 9 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: FS 16 2.5' (H257302-11)

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	11/21/2025	ND	1.89	94.5	2.00	3.54	
Toluene*	<0.050	0.050	11/21/2025	ND	2.00	100	2.00	3.87	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.91	95.4	2.00	6.15	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.63	93.9	6.00	8.32	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/21/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2025	ND	184	91.8	200	5.79	
DRO >C10-C28*	<10.0	10.0	11/21/2025	ND	183	91.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND					

Surrogate: 1-Chlorooctane 78.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.4 % 39.9-141

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Mike Snyder For 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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/24/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 4 9 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: FS 17 2' (H257302-12)

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	11/21/2025	ND	1.89	94.5	2.00	3.54	
Toluene*	<0.050	0.050	11/21/2025	ND	2.00	100	2.00	3.87	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.91	95.4	2.00	6.15	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.63	93.9	6.00	8.32	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	11/21/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2025	ND	184	91.8	200	5.79	
DRO >C10-C28*	<10.0	10.0	11/21/2025	ND	183	91.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND					

Surrogate: 1-Chlorooctane 82.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.7 % 39.9-141

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Mike Snyder For 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:	11/20/2025	Sampling Date:	11/19/2025
Reported:	11/24/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 4 9 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: FS 18 2.5' (H257302-13)

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	11/21/2025	ND	1.89	94.5	2.00	3.54	
Toluene*	<0.050	0.050	11/21/2025	ND	2.00	100	2.00	3.87	
Ethylbenzene*	<0.050	0.050	11/21/2025	ND	1.91	95.4	2.00	6.15	
Total Xylenes*	<0.150	0.150	11/21/2025	ND	5.63	93.9	6.00	8.32	
Total BTEX	<0.300	0.300	11/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	11/21/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2025	ND	184	91.8	200	5.79	
DRO >C10-C28*	<10.0	10.0	11/21/2025	ND	183	91.6	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	11/21/2025	ND					

Surrogate: 1-Chlorooctane 75.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.0 % 39.9-141

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



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Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 OF 2

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

Company Name: Ensolum, LLC

P.O. #: 4502695798

ANALYSIS REQUEST

Project Manager: Kelly Lowery

Company: OXY USA, Inc.

Address: 601 N. Marland St. STE 400

Attn: Daniel Sparks

City: Midland State: TX Zip: 79701

Phone #: 214-733-3165 Email: klowery@ensolum.com

Project #: 03B1417306

Address:

Project Name: Gold Log 4 9 Federal Corn 23H

City: State: Zip:

Project Location: Lea County

Phone #: Email:

Sampler Name: Kaoru Shimada

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	Sample Depth (ft)	(G)RAB OR (C)OMP.	MATRIX						DATE	TIME	BTEX 8021 B	TPH 8015 M	Chlorides 4500	TDS
				# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE						
HLS71302	SW 01	0-1	C1							11-19-25	8:21	X	X	X	
	SW 02	0-2.5	1							11-19-25	16:28	X	X	X	
	SW 03	0-2.5	1							11-19-25	16:24	X	X	X	
	SW 04	0-2.5	1							11-19-25	16:24	X	X	X	
	FS 10	2	1							11-19-25	15:59	X	X	X	
	FS 11	2.5	1							11-19-25	15:39	X	X	X	
	FS 12	2.5	1							11-19-25	15:39	X	X	X	
	FS 13	2.5	1							11-19-25	15:06	X	X	X	
	FS 14	2.5	1							11-19-25	15:06	X	X	X	
	FS 15	2.5	1							11-19-25	15:06	X	X	X	

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Relinquished By: *[Signature]* Date: 11-20-25 Received By: *[Signature]* Date: 11-20-25

Relinquished By: *[Signature]* Date: 11-20-25 Received By: *[Signature]* Date: 11-20-25

Delivered By: (Circle One) Cool Intact No No No No

Observed Temp. °C: 0.8 Corrected Temp. °C: 0.8

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

December 18, 2025

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

RE: GOLD LOG 4 9 FEDERAL COM 23H

Enclosed are the results of analyses for samples received by the laboratory on 12/12/25 13:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/12/2025	Sampling Date:	12/12/2025
Reported:	12/18/2025	Sampling Type:	Soil
Project Name:	GOLD LOG 4 9 FEDERAL COM 23H	Sampling Condition:	Cool & Intact
Project Number:	03B1417306	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - LEA CO NM		

Sample ID: LEA LAND BACKFILL (H257720-01)

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	12/15/2025	ND	1.92	96.1	2.00	1.19	
Toluene*	<0.050	0.050	12/15/2025	ND	2.10	105	2.00	2.02	
Ethylbenzene*	<0.050	0.050	12/15/2025	ND	2.13	106	2.00	3.58	
Total Xylenes*	<0.150	0.150	12/15/2025	ND	6.54	109	6.00	3.43	
Total BTEX	<0.300	0.300	12/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/15/2025	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	12/18/2025	ND	235	118	200	2.41	
DRO >C10-C28*	<10.0	10.0	12/18/2025	ND	218	109	200	0.222	
EXT DRO >C28-C36	<10.0	10.0	12/18/2025	ND					

Surrogate: 1-Chlorooctane 59.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 55.9 % 39.9-141

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

Cardinal Laboratories

*=Accredited Analyte

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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

ANALYSIS REQUEST

OF 1

Company Name: Ensolum, LLC

Project Manager: Kelly Lowery

Address: 601 N. Marientfield St. STE 400

City: Midland State: TX Zip: 79701

Phone #: 214-733-3165

Project #: 03B1417306

Project Name: Gold Log 4 9 Federal Com 23H

Project Location: Lea County, NM

Sampler Name: Kaoru Shimada

FOR LAB USE ONLY

P.O. #: 4502695198

Company: DXY

Attn: Daniel Sparks

Address:

City:

State:

Phone #:

Email:

PRESERV. SAMPLING

MATRIX

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

BTEX 8021 B

TPH 8015 M

Chlorides 4500

TDS

Standard X

Beaker (only) Sample Condition

Turnaround Time:

Rush Cool Intact

Thermometer ID #443

Correction Factor -0.6°C

Observed Temp. °C

Corrected Temp. °C

Yes No

Yes No

Yes No

Corrected Temp. °C

NFE SK 12-11-2025

12-12-25 11:50

0402401K

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In no event shall Cardinal be liable for indirect or consequential damages, including without limitation, loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or connected to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated remedies or otherwise.

Relinquished By: [Signature]

Date: 12-8-25

Time: 1314

Received By: [Signature]

Date: 12-12-25

Time: 11:50

Checked By: [Signature]

Date: 12-12-25

Time: 11:50

Observed Temp. °C

Corrected Temp. °C

Sample Condition

FORM-006 R 3.2 10/07/21

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



APPENDIX D

NMOCD Correspondence



RE: [EXTERNAL] (Extension Request) Oxy USA Inc - Gold Log 4 9 Federal Com 23H (API: 30-025-53812/Incident ID: nAPP2511355099) - 4/7/2025

From Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Date Thu 7/3/2025 2:11 PM
To Kelly Lowery <klowery@ensolum.com>
Cc Sparks, Daniel (DANOS LLC) <daniel_sparks@oxy.com>; Kent, Jessica <jessica_kent@oxy.com>; Beaux Jennings <bjennings@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

[**EXTERNAL EMAIL**]

Good afternoon Kelly,

The extension request for NAPP2511355099 GOLD LOG 4 9 FEDERAL COM 23H is approved. The new due date to submit your remediation plan or closure report to the OCD is October 6, 2025. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Kelly Lowery <klowery@ensolum.com>
Sent: Thursday, July 3, 2025 12:56 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Sparks, Daniel (DANOS LLC) <daniel_sparks@oxy.com>; Kent, Jessica <jessica_kent@oxy.com>; Beaux Jennings <bjennings@ensolum.com>
Subject: [EXTERNAL] (Extension Request) Oxy USA Inc - Gold Log 4 9 Federal Com 23H (API: 30-025-53812/Incident ID: nAPP2511355099) - 4/7/2025

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 (Oxy), Ensolum, LLC (Ensolum) would like to request a 90-day extension for the Gold Log 4 9 Federal Com 23H (API: 30-025-53812/Incident ID: nAPP2511355099) - 4/7/2025. Drilling activities have been ongoing at the Site since the release occurred, preventing remediation

activities from beginning due to safety concerns. Ensolum has had field staff visit the Site every month to check in on the drilling activities and have recently confirmed that the drilling activities appear to have ceased.

With this in mind, we humbly ask for an extension so we may begin remediation activities and provide the OCD with a remediation closure request once complete.

Thank you,



Kelly Lowery, GIT

Project Geologist

214-733-3165

Ensolum, LLC

in f 



(Final Extension) Oxy USA Inc - Gold Log 4 9 Federal Com 23H (API: 30-025-53812/Incident ID: nAPP2511355099) - 4/7/2025

From Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Date Mon 10/6/2025 4:36 PM
To Kelly Lowery <klowery@ensolum.com>
Cc daniel_sparks@oxy.com <daniel_sparks@oxy.com>; jessica_kent@oxy.com <jessica_kent@oxy.com>; Beaux Jennings <bjennings@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

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

Kelley,

A 90-day extension is approved. This will be the **final extension** for this release. Please have a remediation closure report uploaded to the OCD Permitting Portal no later than **January 5th, 2026**. Include this e-mail correspondence in the report.

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



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, October 6, 2025 2:38 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] (Extension Request) Oxy USA Inc - Gold Log 4 9 Federal Com 23H (API: 30-025-53812/Incident ID: nAPP2511355099) - 4/7/2025

From: Kelly Lowery <klowery@ensolum.com>
Sent: Monday, October 6, 2025 2:28 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Sparks, Daniel (DANOS LLC) <daniel_sparks@oxy.com>; Kent, Jessica <jessica_kent@oxy.com>; Beaux Jennings <bjennings@ensolum.com>

Subject: [EXTERNAL] (Extension Request) Oxy USA Inc - Gold Log 4 9 Federal Com 23H (API: 30-025-53812/Incident ID: nAPP2511355099) - 4/7/2025

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 (Oxy), Ensolum, LLC (Ensolum) would like to request a 90-day extension for the Gold Log 4 9 Federal Com 23H (API: 30-025-53812/Incident ID: nAPP2511355099) - 4/7/2025. Since drilling activities have ceased, remediation efforts have been ongoing at the Site but have progressed slowly due to the amount of subsurface high voltage lines and production lines directly underneath and adjacent to the release extent. Oxy and their subcontractors are currently on location this week performing continued delineation and excavation efforts. With this in mind, we humbly ask for an additional extension so that we may continue our remediation activities and provide the NMOC with a remediation closure request once complete.

Thank you,



Kelly Lowery, GIT

Project Geologist

214-733-3165

Ensolum, LLC

in f

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 568856

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 568856
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2511355099
Incident Name	NAPP2511355099 GOLD LOG 4 9 FEDERAL COM 23H @ 30-025-53812
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-53812] GOLD LOG 4 9 FEDERAL COM #023H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	GOLD LOG 4 9 FEDERAL COM 23H
Date Release Discovered	04/07/2025
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Release Other
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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Frac Tank Crude Oil Released: 7 BBL Recovered: 0 BBL Lost: 7 BBL.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Frac Tank Produced Water Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

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Phone: (505) 629-6116

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

QUESTIONS, Page 2

Action 568856

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 568856
	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: Ensolum Company Email: Oxy_Midland@ensolum.com Date: 03/30/2026
--	--

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, Page 3

Action 568856

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 568856
	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 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	496
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	52.9
GRO+DRO (EPA SW-846 Method 8015M)	52.9
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	10/06/2025
On what date will (or did) the final sampling or liner inspection occur	11/19/2025
On what date will (or was) the remediation complete(d)	11/19/2025
What is the estimated surface area (in square feet) that will be reclaimed	3453
What is the estimated volume (in cubic yards) that will be reclaimed	252
What is the estimated surface area (in square feet) that will be remediated	3453
What is the estimated volume (in cubic yards) that will be remediated	252

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.

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, Page 4

Action 568856

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 568856
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

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

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

(Select all answers below that apply.)

(Ex Situ) Excavation and 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.

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

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

I hereby agree and sign off to the above statement	Name: Ensolum Company Email: Oxy_Midland@ensolum.com Date: 03/30/2026
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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.

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, Page 5

Action 568856

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 568856
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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Santa Fe, NM 87505

QUESTIONS, Page 6

Action 568856

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 568856
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	526493
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/19/2025
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	800

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	3453
What was the total volume (cubic yards) remediated	252
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	3453
What was the total volume (in cubic yards) reclaimed	252
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: Ensolum Company Email: Oxy_Midland@ensolum.com Date: 03/30/2026
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QUESTIONS, Page 7

Action 568856

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 568856
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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

CONDITIONS

Action 568856

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 568856
	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 #nAPP2511355099 GOLD LOG 4 9 FEDERAL COM 23H, thank you.	4/2/2026