



October 6, 2025

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

**Re: Closure Request
Lost Tank 25 CGL
Incident Number NAPP2512130347
Facility ID fAPP2506449496
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Oxy USA Inc. (Oxy), has prepared this *Closure Request* to document assessment, delineation, and soil sampling activities performed at Lost Tank 25 CGL (Site). The purpose of the Site assessment, delineation, and soil sampling activities conducted was to assess the presence or absence of impacts to soil resulting from a fire, produced water, and crude oil release at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, Oxy is submitting this *Closure Request*, describing excavation activities that have occurred and requesting no further remediation for Incident Number NAPP2512130347.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit K, Section 25, Township 22 South, Range 31 East, in Eddy County, New Mexico (32.360084°, -103.732143°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On April 8, 2025, a fire resulted in the release of approximately 2 barrels (bbls) of produced water and 1 bbl of crude oil onto the pad. Oxy reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on April 10, 2025, and subsequently submitted a Release Notification Form C-141 (Form C-141) on May 1, 2025. The release was assigned Incident Number NAPP2512130347.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on NMOCD Portal of the Form C-141, Site Assessment/Characterization submitted on May 14, 2025. Potential site receptors are identified on **Figure 1 in Appendix A**.

Depth to groundwater at the Site is between 50 and 100 feet below ground surface (bgs) based on the nearest groundwater well data. On March 6, 2025, a New Mexico State Engineer Office permitted well (C-04943) did not encounter groundwater with the well drilled to a depth of 55 feet bgs located approximately 0.59 miles southwest of the Site. On June 10, 2005, a New Mexico State Engineer Office permitted well (C-03152) did not encounter groundwater with the well drilled to a depth of 938 feet bgs

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located approximately 0.70 miles southwest of the Site. All wells used for depth to groundwater determination are presented on **Figure 4** in **Appendix A**. The associated well records are included in **Appendix A**.

The closest continuously flowing or significant watercourse to the Site is a intermittent stream located approximately 7,688 feet northeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

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 (Total TPH): 100 mg/kg
- Chloride: 600 mg/kg

DELINEATION ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

Between April 21, 2025, and June 6, 2025, Ensolum personnel conducted Site delineation activities to evaluate the release extent based on information provided on the Form C-141 and visual observations. Seven initial composite soil samples (CS01 through CS07) were collected within the release area, at a depth ranging of 0.25 feet bgs to confirm the lateral extent of the release. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Photographic documentation was completed during the Site visit and a photographic log is included as **Appendix B**.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500Cl-B.

CONFIRMATION SOIL SAMPLING AND EXCAVATION ACTIVITIES

Between June 6, 2025, and August 15, 2025, Ensolum personnel were on-Site to complete confirmation soil sampling of the release extent. Seven excavation floor composite soil samples (FS01 through FS07) were collected every 200 square feet at depths ranging from 0.5 feet bgs to 3 feet bgs. Four excavation sidewall composite soil samples (SW01 through SW04) were collected along the sidewalls of the excavation every 200 square feet. Additionally, six delineation composite soil samples (DS01 through DS06) were collected outside the release extent to prove lateral delineation. The soil samples were handled and analyzed following the same procedures as described above.

The soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on **Figure 3**. Photographic documentation was completed during the Site visit and a photographic log is included as **Appendix B**.

Laboratory analytical results for confirmation soil samples of soils remaining in place at the Site (CS01 through CS04, FS01 through FS07, SW01 through SW04, and DS01 through DS06) indicated all COC

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concentrations were compliant with the reclamation requirement. The laboratory analytical results are summarized in **Table 1** and the complete laboratory analytical reports are included in **Appendix C**.

BACKFILLING

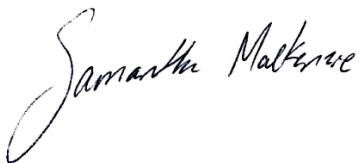
Subsequent to the results of the final confirmation soil sampling, the excavated areas were backfilled with clean fill material and contoured to the original surrounding grade. A representative 5-point composite soil sample (BF01) was collected from the backfill material prior to use at the Site. Laboratory analytical results for the backfill soil sample confirmed compliance with the NMOCD requirements for the reclaimed area to be non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and TPH concentrations less than 100 mg/kg. The laboratory analytical results are summarized in the attached **Table 2** and the complete laboratory analytical report is included in **Appendix C**. The release area was wholly contained on the facility caliche pad, therefore revegetation of the backfilled excavation area is not necessary at this time.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the April 8, 2025, fire which resulted in the release of produced water and crude oil. Laboratory analytical results for the soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the Closure Criteria. Based on the soil sample laboratory analytical results, no further remediation is required. Oxy has completed backfill of the excavation with material purchased locally and recontoured the Site to match pre-existing Site conditions. As such, Oxy respectfully requests closure for Incident Number NAPP2512130347.

If you have any questions or comments, please contact Ms. Samantha MacKenzie at (703) 357-3545 or smackenzie@ensolum.com.

Sincerely,
Ensolum, LLC



Samantha MacKenzie
Staff Geologist



Beaux Jennings
Associate Principal

cc: Jessica Kent, Oxy USA Inc.
Daniel Sparks, Oxy USA Inc.
BLM

Appendices:

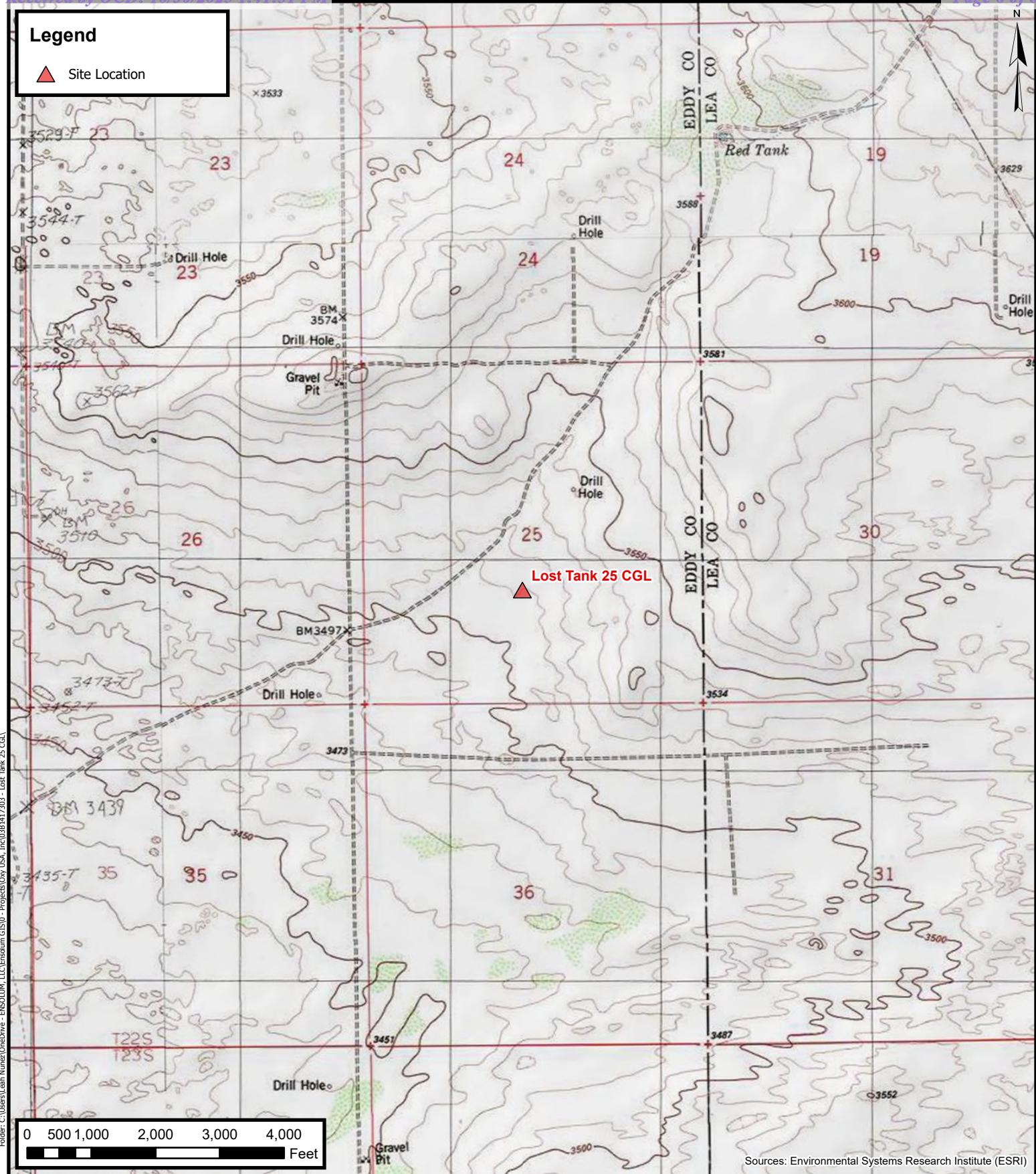
- Figure 1 Topographic Map
- Figure 2 Site Vicinity Map
- Figure 3 Site Map
- Figure 4 Closure Criteria Map
- Figure 5 Backfill Site Map
- Table 1 Soil Sample Analytical Results
- Table 2 Backfill Soil Sample Analytical Results
- Appendix A Supporting Documentation

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Appendix B Photographic Log
Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation



FIGURES



Topographic Map

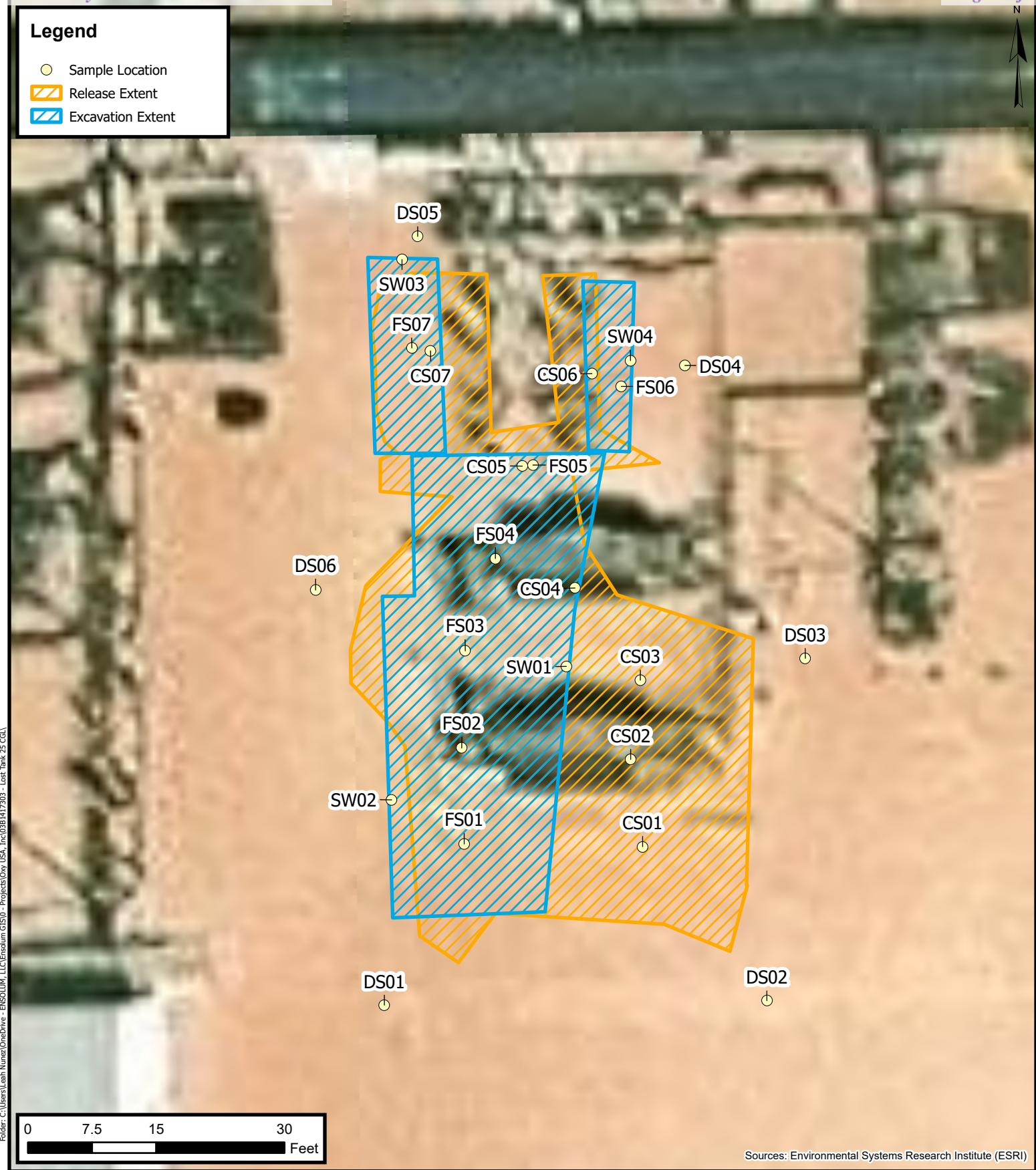
Oxy USA, Inc.
Lost Tank 25 CGL
Project Number: 03B1417303
32.360084°, -103.732143°
Eddy County, New Mexico

FIGURE
1



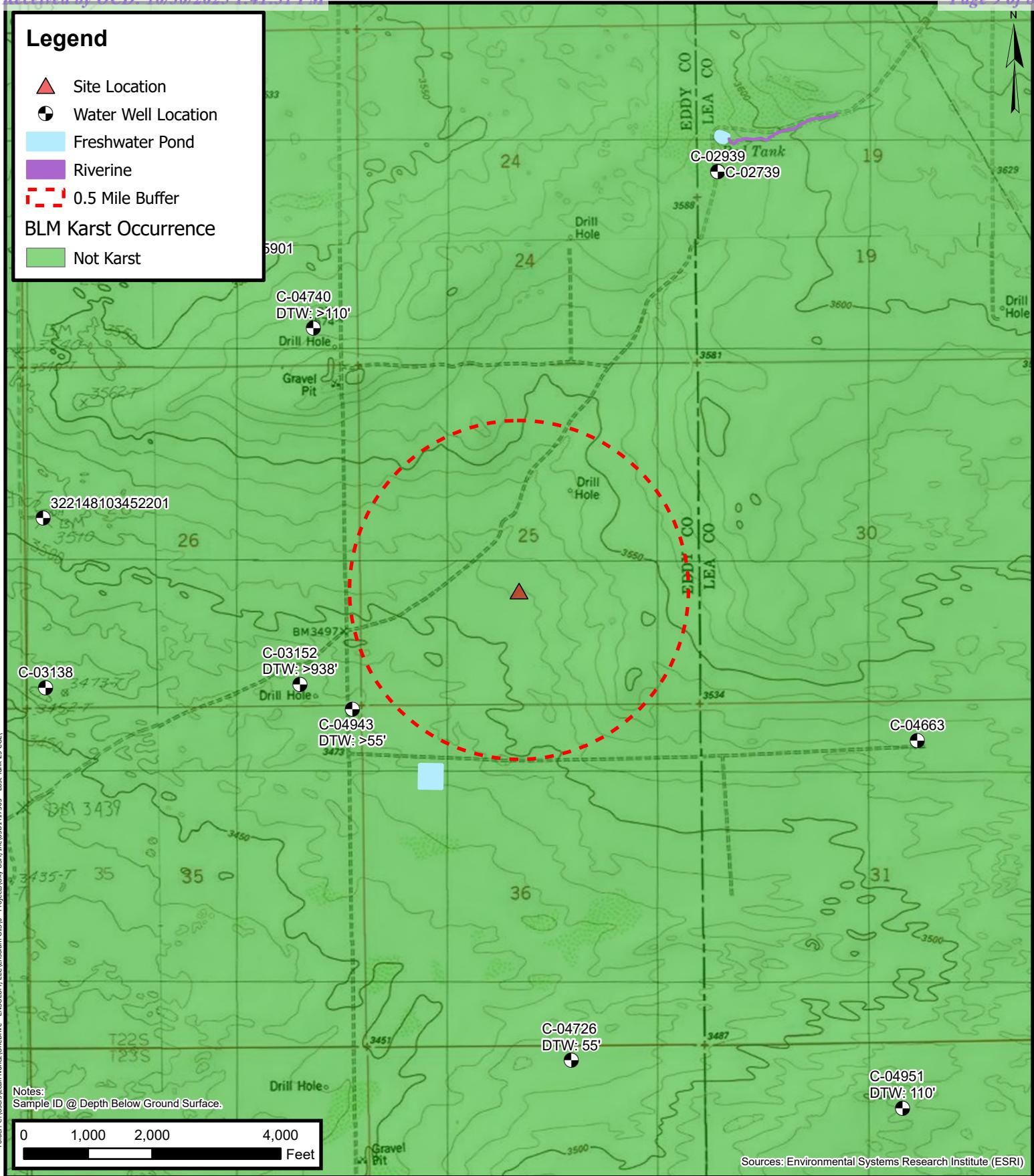
Site Vicinity Map
Oxy USA, Inc.
Lost Tank 25 CGL
Project Number: 03B1417303
32.360084°, -103.732143°
Eddy County, New Mexico

FIGURE
2



Legend

- ▲ Site Location
- Water Well Location
- Freshwater Pond
- Riverine
- 0.5 Mile Buffer
- BLM Karst Occurrence
- Not Karst



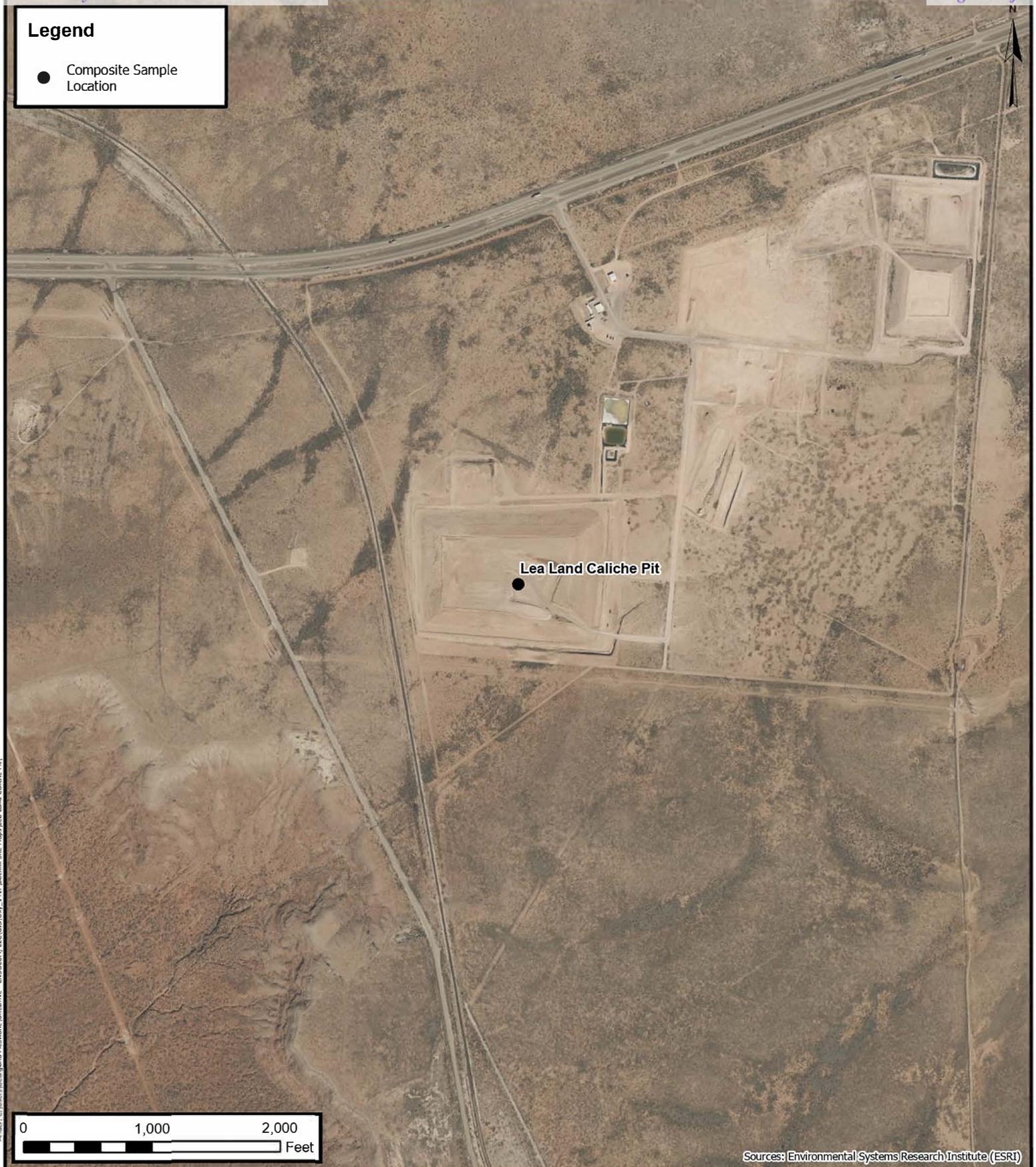
Closure Criteria Map

Oxy USA, Inc.
Lost Tank 25 CGL
Project Number: 03B1417303
32.360084°, -103.732143°
Eddy County, New Mexico

FIGURE
4

Legend

- Composite Sample Location



Environmental, Engineering and
Hydrogeologic Consultants

Backfill Site Map

Lea Land Caliche Pit
32.5232397° N, 103.7845410° W
Lea County, New Mexico

FIGURE

5



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Lost Tank 25 CGL
Oxy USA, Inc.
Eddy County, New Mexico
Ensolum Project No. 03B1417303

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)		10	50	NE	NE	NE	100	600	
Initial Soil Sample Analytical Results									
CS01	6/6/2025	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
CS02	6/6/2025	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
CS03	6/6/2025	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
CS04	6/6/2025	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
CS05	6/6/2025	0.25	<0.050	1.98	169	11,200	2,260	13,629	208
CS06	6/6/2025	0.25	<0.050	<0.300	12.7	3,510	1,060	4,583	96.0
CS07	6/6/2025	0.25	<0.050	0.907	115	13,700	2,750	16,565	80.0
Excavation Soil Sample Analytical Results									
FS01	6/6/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS02	6/6/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS03	6/6/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS04	6/6/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
FS05	7/1/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
FS06	7/1/2025	0.5	<0.050	1.35	64.5	2,210	492	2,767	416
	8/15/2025	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
FS07	7/1/2025	1	<0.050	<0.300	<10.0	<10.0	15.1	15.1	<16.0
Sidewall Soil Sample Analytical Results									
SW01	6/6/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	112
SW02	6/6/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
SW03	7/1/2025	0-1	<0.050	<0.300	<10.0	44.1	15.7	59.8	64.0
SW04	8/15/2025	0-3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
Delineation Soil Sample Analytical Results									
DS01	6/19/2025	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
DS02	6/19/2025	0.25	<0.050	<0.300	<10.0	25.6	<10.0	25.6	80.0
DS03	6/19/2025	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
DS04	6/19/2025	0.25	<0.050	<0.300	<10.0	15.8	<10.0	15.8	32.0
DS05	6/19/2025	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
DS06	6/19/2025	0.25	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32.0

Notes:

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

represents samples that have been excavated or resampled

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon



TABLE 2
BACKFILL SOIL SAMPLE ANALYTICAL RESULTS
LEA LAND BACKFILL
OXY USA, INC.
LEA COUNTY, NEW MEXICO

Sample I.D.	Sample Date	Sample 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 1 Closure Criteria (NMAC 19.15.29)		10	50	NE	NE	NE	NE	NE	100	600
Confirmation Backfill Soil Sample										
BF01	08/28/2025	NA	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NA: Not Applicable

NE: Not Established

NMAC: New Mexico Administrative Code



APPENDIX A

Supporting Documentation



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod 1		WELL TAG ID NO.		OSE FILE NO(S). C-4943			
	WELL OWNER NAME(S) Pilot Water Solutions		PHONE (OPTIONAL)					
	WELL OWNER MAILING ADDRESS 20 Greenway Plaza, Suite 500		CITY Houston		STATE TX	ZIP 77046		
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 32	SECONDS 21	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE	103	44	25.9	W	* DATUM REQUIRED: WGS 84	
	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE S35 T22s R31e							
	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 3-6-25	DRILLING ENDED 3-6-25	DEPTH OF COMPLETED WELL (FT) 55'	BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED) Centralizer info below				STATIC WATER LEVEL IN COMPLETED WELL (FT)	N/A	DATE STATIC MEASURED 3-10-25	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:							
DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS <input type="checkbox"/> INSTALLED			
DEPTH (feet bgf)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)		CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
FROM	TO							
0'	55'	5'	No casing left in hole					
DEPTH (feet bgf)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL <i>*if using Centralizers for Artesian wells- indicate the spacing below)</i>			AMOUNT (cubic feet)	METHOD OF PLACEMENT	
FROM	TO		N/A					
FOR OSE INTERNAL USE								
FILE NO. C-4943-POD 1			POD NO. 1	WR-20 WELL RECORD & LOG (Version 09/22/2022)		TRN NO. 779668		
LOCATION: Expl. 22.31.35.222			WELL TAG ID NO.			PAGE 1 OF 2		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-4943-7021

3-10-25

LOCATION

22

WELL TAG ID NO.

PAGE 2 OF 2

Elizabeth K. Anderson, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

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

Trn Nbr: 779668
File Nbr: C 04943
Well File Nbr: C 04943 POD1

Mar. 12, 2025

SHELLY COWDEN
PILOT WATER SOLUTIONS
20 GREENWAY PLAZA STE 500
HOUSTON, TX 77046

Greetings:

The above numbered permit was issued in your name on 03/03/2025.

The Well Record was received in this office on 03/12/2025, stating that it had been completed on 03/06/2025, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 03/03/2026.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Maret Thompson".

Maret Thompson
(575) 622-6521

drywell

Elizabeth K. Anderson, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

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

Trn Nbr: 779668
File Nbr: C 04943
Well File Nbr: C 04943 POD1

Mar. 12, 2025

JAMES HAWLEY
H&R ENTERPRISES, LLC
P.O. BOX 3641
HOBBS, NM 88241

Greetings:

The above numbered permit was issued in your name on 03/03/2025.

The Well Record was received in this office on 03/12/2025, stating that it had been completed on 03/06/2025, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 03/03/2026.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Maret Thompson".

Maret Thompson
(575) 622-6521

drywell

Point of Diversion Summary

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

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
C 03152	SW	SE	SE	26	22S	31E	618250.0	3580606.0	*	

* UTM location was derived from PLSS - see Help

Driller License: 1184 **Driller Company:** WEST TEXAS WATER WELL SERVICE

Driller Name: BROCKMAN, BERNARD J.

Drill Start Date: 2005-06-01 **Drill Finish Date:** 2005-06-07 **Plug Date:**

Log File Date: 2005-06-10 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 8.00 **Depth Well:** 938 **Depth Water:**

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

4/9/25 12:07 PM MST

Point of Diversion Summary

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From: [Velez, Nelson, EMNRD](#)
To: [Samantha MacKenzie](#)
Cc: [daniel_sparks@oxy.com](#); [jessica_kent@oxy.com](#); [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#)
Subject: Re: [EXTERNAL] Extension Request - Lost Tank 25 CGL (Incident ID: NAPP2512130347)
Date: Monday, July 7, 2025 4:11:59 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[Outlook-s2oo20iI.png](#)

[**EXTERNAL EMAIL**]

Good afternoon Samantha,

Thank you for the correspondence.

Your 30-day time extension is approved. Remediation Due date has been updated to August 6, 2025.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, July 7, 2025 2:56 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: FW: [EXTERNAL] Extension Request - Lost Tank 25 CGL (Incident ID: NAPP2512130347)

From: Samantha MacKenzie <smackenzie@ensolum.com>
Sent: Monday, July 7, 2025 2:51 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>
Subject: [EXTERNAL] Extension Request - Lost Tank 25 CGL (Incident ID: NAPP2512130347)

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

Hello,

On behalf of Oxy USA, Inc, Ensolum, LLC would like to request a 30-day extension for the LOST TANK 25 CGL (Incident ID: NAPP2512130347). The due date was July 7, 2025, Oxy would appreciate an additional 30 extension making the new deadline August 7, 2025.

The site is in the process of being fully remediated and needs to be backfilled, we would like an additional 30 days to complete the backfill and drafting of the closure report. We humbly ask for an extension so that we may complete the remediation, backfill as well as the report and so it can be thoroughly reviewed before submitting the final copy to the portal. Please let us know if you have any questions.

Thank you,



Samantha MacKenzie

Staff Geologist
703-357-3545
Ensolum, LLC
in f X

Samantha MacKenzie

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Thursday, August 7, 2025 9:33 AM
To: Samantha MacKenzie
Cc: daniel_sparks@oxy.com; jessica_kent@oxy.com; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD
Subject: Re: [EXTERNAL] Extension Request - Lost Tank 25 CGL (Incident ID: NAPP2512130347)

[**EXTERNAL EMAIL**]

Good morning Samantha,

Thank you for the correspondence and in talking with me this morning. After our discussion, your 30-day time extension has been granted for 60-days. Remediation Due date has been updated to October 6, 2025.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd>



From: Samantha MacKenzie <smackenzie@ensolum.com>
Sent: Wednesday, August 6, 2025 3:02 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: daniel_sparks@oxy.com <daniel_sparks@oxy.com>; jessica_kent@oxy.com <jessica_kent@oxy.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Extension Request - Lost Tank 25 CGL (Incident ID: NAPP2512130347)

Good afternoon,

On behalf of Oxy USA, Inc, Ensolum, LLC would like to request a 30-day extension for the LOST TANK 25 CGL (Incident ID: NAPP2512130347). The due date was August 6, 2025, Oxy would appreciate an additional 30 extension making the new deadline September 6, 2025.

The site has run across some scheduling and mechanical issues and is in the process of being fully remediated and needs to be backfilled, we would like an additional 30 days to complete the backfill and drafting of the closure report. We humbly ask for an extension so that we may complete the remediation, backfill as well as the report and so it can be thoroughly reviewed before submitting the final copy to the portal. Please let us know if you have any questions.

Thank you,



Samantha MacKenzie

Staff Geologist

703-357-3545

Ensolum, LLC

[in](#) [f](#) [X](#)

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Sent: Monday, July 7, 2025 4:12 PM

To: Samantha MacKenzie <smackenzie@ensolum.com>

Cc: daniel_sparks@oxy.com; jessica_kent@oxy.com; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Subject: Re: [EXTERNAL] Extension Request - Lost Tank 25 CGL (Incident ID: NAPP2512130347)

[**EXTERNAL EMAIL**]

Good afternoon Samantha,

Thank you for the correspondence.

Your 30-day time extension is approved. Remediation Due date has been updated to August 6, 2025.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, July 7, 2025 2:56 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request - Lost Tank 25 CGL (Incident ID: NAPP2512130347)

From: Samantha MacKenzie <smackenzie@ensolum.com>
Sent: Monday, July 7, 2025 2:51 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>
Subject: [EXTERNAL] Extension Request - Lost Tank 25 CGL (Incident ID: NAPP2512130347)

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

Hello,

On behalf of Oxy USA, Inc, Ensolum, LLC would like to request a 30-day extension for the LOST TANK 25 CGL (Incident ID: NAPP2512130347). The due date was July 7, 2025, Oxy would appreciate an additional 30 extension making the new deadline August 7, 2025.

The site is in the process of being fully remediated and needs to be backfilled, we would like an additional 30 days to complete the backfill and drafting of the closure report. We humbly ask for an extension so that we may complete the remediation, backfill as well as the report and so it can be thoroughly reviewed before submitting the final copy to the portal. Please let us know if you have any questions.

Thank you,



Samantha MacKenzie

Staff Geologist

703-357-3545

Ensolum, LLC

[in](#) [f](#) [X](#)



APPENDIX B

Photographic Log

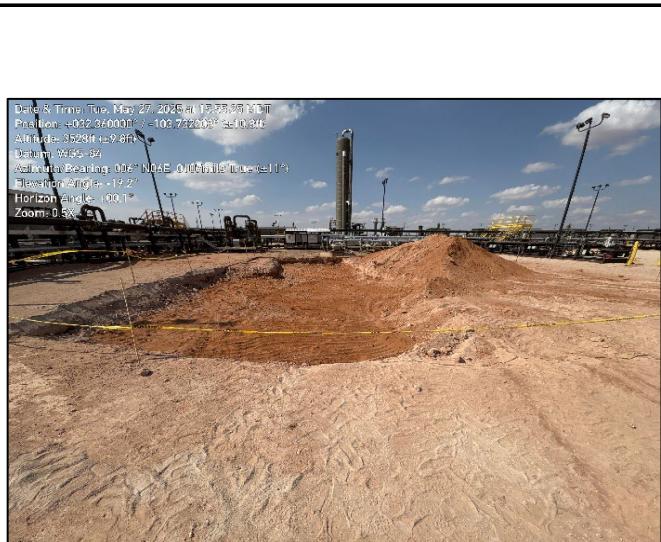


Photographic Log

Oxy USA, Inc
Lost Tank 25 CGL
Incident Number nAPP2512130347



Photograph: 1 Date: 4/21/2025
Description: Soil staining in release footprint
View: Northeast



Photograph: 2 Date: 5/27/2025
Description: Excavation Activities
View: Northeast



Photograph: 3 Date: 7/1/2025
Description: Excavation Activities
View: Northeast

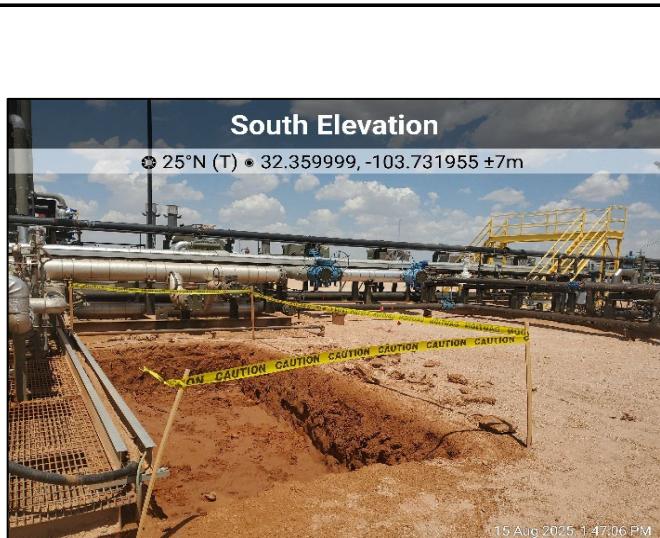
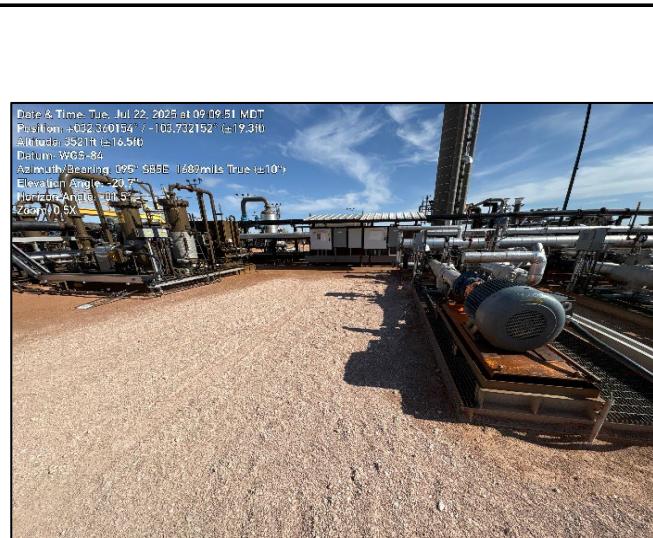


Photograph: 4 Date: 7/22/2025
Description: Excavation and Backfill activities
View: Southeast



Photographic Log

Oxy USA, Inc
Lost Tank 25 CGL
Incident Number nAPP2512130347



Photograph: 5 Date: 7/22/2025
Description: Excavation and Backfill Activities
View: Southeast

Photograph: 6 Date: 8/15/2025
Description: Excavation Activities
View: South



Photograph: 7 Date: 9/8/2025
Description: Backfill Activities
View: Northwest

Photograph: 8 Date: 9/8/2025
Description: Backfill Activities
View: Northwest



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



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

June 12, 2025

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

RE: LOST TANK 25 CGL

Enclosed are the results of analyses for samples received by the laboratory on 06/06/25 12:36.

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

Received:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	LOST TANK 25 CGL	Sampling Condition:	Cool & Intact
Project Number:	03B1417303	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO., NM		

Sample ID: CS 01 0.25 (H253400-01)

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	06/06/2025	ND	2.01	100	2.00	2.93		
Toluene*	<0.050	0.050	06/06/2025	ND	2.08	104	2.00	2.85		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.03	102	2.00	1.92		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.25	104	6.00	0.350		
Total BTEX	<0.300	0.300	06/06/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/09/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	194	96.9	200	0.591		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	201	100	200	0.839		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 65.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 55.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/06/2025 Sampling Date: 06/06/2025
 Reported: 06/12/2025 Sampling Type: Soil
 Project Name: LOST TANK 25 CGL Sampling Condition: Cool & Intact
 Project Number: 03B1417303 Sample Received By: Shalyn Rodriguez
 Project Location: LEA CO., NM

Sample ID: CS 02 0.25 (H253400-02)

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	06/06/2025	ND	2.01	100	2.00	2.93		
Toluene*	<0.050	0.050	06/06/2025	ND	2.08	104	2.00	2.85		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.03	102	2.00	1.92		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.25	104	6.00	0.350		
Total BTEX	<0.300	0.300	06/06/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/09/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	194	96.9	200	0.591		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	201	100	200	0.839		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 56.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 48.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/06/2025 Sampling Date: 06/06/2025
 Reported: 06/12/2025 Sampling Type: Soil
 Project Name: LOST TANK 25 CGL Sampling Condition: Cool & Intact
 Project Number: 03B1417303 Sample Received By: Shalyn Rodriguez
 Project Location: LEA CO., NM

Sample ID: CS 03 0.25 (H253400-03)

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	06/06/2025	ND	2.01	100	2.00	2.93		
Toluene*	<0.050	0.050	06/06/2025	ND	2.08	104	2.00	2.85		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.03	102	2.00	1.92		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.25	104	6.00	0.350		
Total BTEX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/09/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	194	96.9	200	0.591		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	201	100	200	0.839		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 67.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 58.4 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/06/2025 Sampling Date: 06/06/2025
 Reported: 06/12/2025 Sampling Type: Soil
 Project Name: LOST TANK 25 CGL Sampling Condition: Cool & Intact
 Project Number: 03B1417303 Sample Received By: Shalyn Rodriguez
 Project Location: LEA CO., NM

Sample ID: CS 04 0.25 (H253400-04)

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	06/06/2025	ND	2.01	100	2.00	2.93		
Toluene*	<0.050	0.050	06/06/2025	ND	2.08	104	2.00	2.85		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.03	102	2.00	1.92		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.25	104	6.00	0.350		
Total BTEX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/09/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	194	96.9	200	0.591		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	201	100	200	0.839		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 70.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 61.0 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/06/2025 Sampling Date: 06/06/2025
 Reported: 06/12/2025 Sampling Type: Soil
 Project Name: LOST TANK 25 CGL Sampling Condition: Cool & Intact
 Project Number: 03B1417303 Sample Received By: Shalyn Rodriguez
 Project Location: LEA CO., NM

Sample ID: CS 05 0.25 (H253400-05)

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	06/09/2025	ND	2.01	100	2.00	2.93		
Toluene*	0.154	0.050	06/09/2025	ND	2.08	104	2.00	2.85	GC-NC1	
Ethylbenzene*	0.137	0.050	06/09/2025	ND	2.03	102	2.00	1.92		
Total Xylenes*	1.68	0.150	06/09/2025	ND	6.25	104	6.00	0.350		
Total BTEX	1.98	0.300	06/09/2025	ND					GC-NC1	

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	06/09/2025	ND	416	104	400	3.77		
TPH 8015M									S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	169	50.0	06/09/2025	ND	194	96.9	200	0.591		
DRO >C10-C28*	11200	50.0	06/09/2025	ND	201	100	200	0.839		
EXT DRO >C28-C36	2260	50.0	06/09/2025	ND						

Surrogate: 1-Chlorooctane 117 % 44.4-145

Surrogate: 1-Chlorooctadecane 237 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/06/2025 Sampling Date: 06/06/2025
 Reported: 06/12/2025 Sampling Type: Soil
 Project Name: LOST TANK 25 CGL Sampling Condition: Cool & Intact
 Project Number: 03B1417303 Sample Received By: Shalyn Rodriguez
 Project Location: LEA CO., NM

Sample ID: CS 06 0.25 (H253400-06)

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	06/06/2025	ND	2.01	100	2.00	2.93		
Toluene*	<0.050	0.050	06/06/2025	ND	2.08	104	2.00	2.85		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.03	102	2.00	1.92		
Total Xylenes*	0.179	0.150	06/06/2025	ND	6.25	104	6.00	0.350		
Total BTEX	<0.300	0.300	06/06/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/09/2025	ND	416	104	400	3.77		
TPH 8015M										

Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*		12.7	10.0	06/06/2025	ND	194	96.9	200	0.591	
DRO >C10-C28*		3510	10.0	06/06/2025	ND	201	100	200	0.839	
EXT DRO >C28-C36		1060	10.0	06/06/2025	ND					

Surrogate: 1-Chlorooctane 73.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/06/2025 Sampling Date: 06/06/2025
 Reported: 06/12/2025 Sampling Type: Soil
 Project Name: LOST TANK 25 CGL Sampling Condition: Cool & Intact
 Project Number: 03B1417303 Sample Received By: Shalyn Rodriguez
 Project Location: LEA CO., NM

Sample ID: CS 07 0.25 (H253400-07)

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	06/09/2025	ND	2.01	100	2.00	2.93		
Toluene*	<0.050	0.050	06/09/2025	ND	2.08	104	2.00	2.85		
Ethylbenzene*	<0.050	0.050	06/09/2025	ND	2.03	102	2.00	1.92		
Total Xylenes*	0.907	0.150	06/09/2025	ND	6.25	104	6.00	0.350		
Total BTEX	0.907	0.300	06/09/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/09/2025	ND	416	104	400	3.77		
TPH 8015M	mg/kg			Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	115	50.0	06/09/2025	ND	194	96.9	200	0.591		
DRO >C10-C28*	13700	50.0	06/09/2025	ND	201	100	200	0.839		
EXT DRO >C28-C36	2750	50.0	06/09/2025	ND						

Surrogate: 1-Chlorooctane 131 % 44.4-145

Surrogate: 1-Chlorooctadecane 310 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	LOST TANK 25 CGL	Sampling Condition:	Cool & Intact
Project Number:	03B1417303	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO., NM		

Sample ID: SW 01 0-2' (H253400-08)

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	06/06/2025	ND	2.01	100	2.00	2.93		
Toluene*	<0.050	0.050	06/06/2025	ND	2.08	104	2.00	2.85		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.03	102	2.00	1.92		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.25	104	6.00	0.350		
Total BTEX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	06/09/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/06/2025	ND	194	96.9	200	0.591		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	201	100	200	0.839		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 66.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 59.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	LOST TANK 25 CGL	Sampling Condition:	Cool & Intact
Project Number:	03B1417303	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO., NM		

Sample ID: SW 02 0-2' (H253400-09)

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	06/06/2025	ND	2.01	100	2.00	2.93		
Toluene*	<0.050	0.050	06/06/2025	ND	2.08	104	2.00	2.85		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.03	102	2.00	1.92		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.25	104	6.00	0.350		
Total BTEX	<0.300	0.300	06/06/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/09/2025	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	06/06/2025	ND	194	96.9	200	0.591		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	201	100	200	0.839		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 69.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	LOST TANK 25 CGL	Sampling Condition:	Cool & Intact
Project Number:	03B1417303	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO., NM		

Sample ID: FS 01 2' (H253400-10)

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	06/06/2025	ND	2.01	100	2.00	2.93		
Toluene*	<0.050	0.050	06/06/2025	ND	2.08	104	2.00	2.85		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.03	102	2.00	1.92		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.25	104	6.00	0.350		
Total BTEX	<0.300	0.300	06/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/09/2025	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	06/06/2025	ND	194	96.9	200	0.591		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	201	100	200	0.839		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 59.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 52.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/06/2025 Sampling Date: 06/06/2025
 Reported: 06/12/2025 Sampling Type: Soil
 Project Name: LOST TANK 25 CGL Sampling Condition: Cool & Intact
 Project Number: 03B1417303 Sample Received By: Shalyn Rodriguez
 Project Location: LEA CO., NM

Sample ID: FS 02 2' (H253400-11)

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	06/06/2025	ND	2.01	100	2.00	2.93		
Toluene*	<0.050	0.050	06/06/2025	ND	2.08	104	2.00	2.85		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.03	102	2.00	1.92		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.25	104	6.00	0.350		
Total BTEX	<0.300	0.300	06/06/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/09/2025	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	06/06/2025	ND	194	96.9	200	0.591		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	201	100	200	0.839		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 65.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 58.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/06/2025 Sampling Date: 06/06/2025
 Reported: 06/12/2025 Sampling Type: Soil
 Project Name: LOST TANK 25 CGL Sampling Condition: Cool & Intact
 Project Number: 03B1417303 Sample Received By: Shalyn Rodriguez
 Project Location: LEA CO., NM

Sample ID: FS 03 2' (H253400-12)

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	06/06/2025	ND	2.01	100	2.00	2.93		
Toluene*	<0.050	0.050	06/06/2025	ND	2.08	104	2.00	2.85		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.03	102	2.00	1.92		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.25	104	6.00	0.350		
Total BTEX	<0.300	0.300	06/06/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/09/2025	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	06/06/2025	ND	194	96.9	200	0.591		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	201	100	200	0.839		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 65.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 60.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/06/2025	Sampling Date:	06/06/2025
Reported:	06/12/2025	Sampling Type:	Soil
Project Name:	LOST TANK 25 CGL	Sampling Condition:	Cool & Intact
Project Number:	03B1417303	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO., NM		

Sample ID: FS 04 2' (H253400-13)

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	06/06/2025	ND	2.01	100	2.00	2.93		
Toluene*	<0.050	0.050	06/06/2025	ND	2.08	104	2.00	2.85		
Ethylbenzene*	<0.050	0.050	06/06/2025	ND	2.03	102	2.00	1.92		
Total Xylenes*	<0.150	0.150	06/06/2025	ND	6.25	104	6.00	0.350		
Total BTEX	<0.300	0.300	06/06/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/09/2025	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	06/06/2025	ND	194	96.9	200	0.591		
DRO >C10-C28*	<10.0	10.0	06/06/2025	ND	201	100	200	0.839		
EXT DRO >C28-C36	<10.0	10.0	06/06/2025	ND						

Surrogate: 1-Chlorooctane 68.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 61.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

QR-04 The RPD for the BS/BSD was outside of historical limits.

GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.

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

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A handwritten signature in black ink that appears to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 2

Company Name: EnSolum			BILL TO			ANALYSIS REQUEST						
Project Manager: Samantha MacKenzie			P.O. #:									
Address: 601 N. Marlinfield St, STE 400			Company: OXY, USA									
City: Midland			Attn: Jessica Kent									
Phone #: 703-357-3545			Address:									
Fax #: 03B1417303			City:									
Project Name: Lost tank 25 CGL			State: Zip:									
Project Location: Lea County, NM			Phone #:									
Sampler Name: Nicolas Christacos			Fax #:									
FOR LAB USE ONLY												
Lab I.D.	Sample I.D.	Sample Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	BTEX		
H253400	CS01	0.25	C	1	GROUNDWATER	SOIL		06/06/25	0913	TPH		
1	CS02		C	1	WASTEWATER	SLUDGE	ICE / COOL		0917	Chloride		
2	CS03		C	1	OTHER	OTHER	OTHER		0919			
3	CS04		C	1					0922			
4	CS05		C	1					0929			
5	CS06		C	1					0925			
6	CS07		C	1					0927			
7	SW01	0-2'	C	1					0931			
8	SW02	0-2'	C	1					0935			
9	PS01	2'	C	1					0937			

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Relinquished By:

Nicolas Christacos

Date:

4-6-25

Time:

1230

Received By:

Shodki Keene

Verbal Result: Yes No Add'l Phone #:
All Results are emailed. Please provide Email address:

Relinquished By:

Date:

Time:

Received By:

REMARKS:

↑
SMackenzie@ensolum.com

Delivered By: (Circle One)

Observed Temp. °C

4.0

Sample Condition

Cool Intact
 Yes Yes
 No No

CHECKED BY:

(Initials)
SK

Turnaround Time:

Standard
Rush
Thermometer ID #140
Correction Factor +0.3°C

Standard

Rush

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

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



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

July 10, 2025

SAMANTHA MACKENZIE

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: LOST TANK 25 CGL

Enclosed are the results of analyses for samples received by the laboratory on 06/23/25 12:18.

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: LOST TANK 25 CGL Project Number: 03B1417303 Project Manager: SAMANTHA MACKENZIE Fax To:	Reported: 10-Jul-25 18:03
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DS 01 0.25'	H253754-01	Soil	19-Jun-25 09:57	23-Jun-25 12:18
DS 02 0.25'	H253754-02	Soil	19-Jun-25 10:44	23-Jun-25 12:18
DS 06 0.25'	H253754-03	Soil	19-Jun-25 10:55	23-Jun-25 12:18
DS 03 0.25'	H253754-04	Soil	19-Jun-25 11:22	23-Jun-25 12:18
DS 04 0.25'	H253754-05	Soil	19-Jun-25 11:25	23-Jun-25 12:18
DS 05 0.25'	H253754-06	Soil	19-Jun-25 11:29	23-Jun-25 12:18

07/10/25 - Client added depths to all samples (see COC). This is the revised report and will replace the one sent on 06/27/25.

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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
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: LOST TANK 25 CGL
Project Number: 03B1417303
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Jul-25 18:03

DS 01 0.25'**H253754-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0	16.0	mg/kg	4	5062522	AC	25-Jun-25	4500-Cl-B
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5062422	JH	25-Jun-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5062422	JH	25-Jun-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5062422	JH	25-Jun-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5062422	JH	25-Jun-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5062422	JH	25-Jun-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	110 %	71.5-134	5062422	JH	25-Jun-25	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5062501	MS	25-Jun-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5062501	MS	25-Jun-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5062501	MS	25-Jun-25	8015B
Surrogate: 1-Chlorooctane		77.1 %	44.4-145		5062501	MS	25-Jun-25	8015B
Surrogate: 1-Chlorooctadecane		78.7 %	40.6-153		5062501	MS	25-Jun-25	8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: LOST TANK 25 CGL
Project Number: 03B1417303
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Jul-25 18:03

DS 02 0.25'
H253754-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0	16.0	mg/kg	4	5062522	AC	25-Jun-25	4500-Cl-B
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5062422	JH	25-Jun-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5062422	JH	25-Jun-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5062422	JH	25-Jun-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5062422	JH	25-Jun-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5062422	JH	25-Jun-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	113 %	71.5-134	5062422	JH	25-Jun-25	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5062501	MS	25-Jun-25	8015B
DRO >C10-C28*	25.6	10.0	mg/kg	1	5062501	MS	25-Jun-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5062501	MS	25-Jun-25	8015B

Surrogate: 1-Chlorooctane	94.8 %	44.4-145	5062501	MS	25-Jun-25	8015B
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Surrogate: 1-Chlorooctadecane	97.1 %	40.6-153	5062501	MS	25-Jun-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: LOST TANK 25 CGL
Project Number: 03B1417303
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Jul-25 18:03

DS 06 0.25'**H253754-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0	16.0	mg/kg	4	5062522	AC	25-Jun-25	4500-Cl-B
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5062422	JH	25-Jun-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5062422	JH	25-Jun-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5062422	JH	25-Jun-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5062422	JH	25-Jun-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5062422	JH	25-Jun-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	107 %	71.5-134	5062422	JH	25-Jun-25	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5062501	MS	25-Jun-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5062501	MS	25-Jun-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5062501	MS	25-Jun-25	8015B

Surrogate: 1-Chlorooctane	100 %	44.4-145	5062501	MS	25-Jun-25	8015B
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Surrogate: 1-Chlorooctadecane	107 %	40.6-153	5062501	MS	25-Jun-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: LOST TANK 25 CGL
Project Number: 03B1417303
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Jul-25 18:03

DS 03 0.25'**H253754-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0	16.0	mg/kg	4	5062522	AC	25-Jun-25	4500-Cl-B
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5062422	JH	25-Jun-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5062422	JH	25-Jun-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5062422	JH	25-Jun-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5062422	JH	25-Jun-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5062422	JH	25-Jun-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	111 %	71.5-134	5062422	JH	25-Jun-25	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5062501	MS	25-Jun-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5062501	MS	25-Jun-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5062501	MS	25-Jun-25	8015B

Surrogate: 1-Chlorooctane	82.1 %	44.4-145	5062501	MS	25-Jun-25	8015B
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Surrogate: 1-Chlorooctadecane	83.5 %	40.6-153	5062501	MS	25-Jun-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: LOST TANK 25 CGL
Project Number: 03B1417303
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Jul-25 18:03

DS 04 0.25'**H253754-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0	16.0	mg/kg	4	5062522	AC	25-Jun-25	4500-Cl-B
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5062422	JH	25-Jun-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5062422	JH	25-Jun-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5062422	JH	25-Jun-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5062422	JH	25-Jun-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5062422	JH	25-Jun-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	110 %	71.5-134	5062422	JH	25-Jun-25	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5062501	MS	25-Jun-25	8015B
DRO >C10-C28*	15.8	10.0	mg/kg	1	5062501	MS	25-Jun-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5062501	MS	25-Jun-25	8015B

Surrogate: 1-Chlorooctane	89.4 %	44.4-145	5062501	MS	25-Jun-25	8015B
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Surrogate: 1-Chlorooctadecane	97.0 %	40.6-153	5062501	MS	25-Jun-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: LOST TANK 25 CGL
Project Number: 03B1417303
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Jul-25 18:03

DS 05 0.25'**H253754-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0	16.0	mg/kg	4	5062522	AC	25-Jun-25	4500-Cl-B
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5062422	JH	25-Jun-25	8021B
Toluene*	<0.050	0.050	mg/kg	50	5062422	JH	25-Jun-25	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	5062422	JH	25-Jun-25	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	5062422	JH	25-Jun-25	8021B
Total BTEX	<0.300	0.300	mg/kg	50	5062422	JH	25-Jun-25	8021B

Surrogate: 4-Bromofluorobenzene (PID)	111 %	71.5-134	5062422	JH	25-Jun-25	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5062501	MS	25-Jun-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5062501	MS	25-Jun-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5062501	MS	25-Jun-25	8015B

Surrogate: 1-Chlorooctane	90.2 %	44.4-145	5062501	MS	25-Jun-25	8015B
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Surrogate: 1-Chlorooctadecane	94.3 %	40.6-153	5062501	MS	25-Jun-25	8015B
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Cely D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: LOST TANK 25 CGL
Project Number: 03B1417303
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Jul-25 18:03

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch 5062522 - 1:4 DI Water

Blank (5062522-BLK1)	Prepared & Analyzed: 25-Jun-25									
Chloride	ND	16.0	mg/kg							
LCS (5062522-BS1)	Prepared & Analyzed: 25-Jun-25									
Chloride	400	16.0	mg/kg	400	100	80-120				
LCS Dup (5062522-BSD1)	Prepared & Analyzed: 25-Jun-25									
Chloride	432	16.0	mg/kg	400	108	80-120	7.69	20		

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

Cely D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: LOST TANK 25 CGL
Project Number: 03B1417303
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Jul-25 18:03

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch 5062422 - Volatiles

Blank (5062422-BLK1)				Prepared: 24-Jun-25 Analyzed: 25-Jun-25			
Benzene	ND	0.050	mg/kg				
Toluene	ND	0.050	mg/kg				
Ethylbenzene	ND	0.050	mg/kg				
Total Xylenes	ND	0.150	mg/kg				
Total BTEX	ND	0.300	mg/kg				
Surrogate: 4-Bromofluorobenzene (PID)	0.0559		mg/kg	0.0500	112	71.5-134	

LCS (5062422-BS1)				Prepared: 24-Jun-25 Analyzed: 25-Jun-25			
Benzene	2.04	0.050	mg/kg	2.00	102	76.3-129	
Toluene	2.09	0.050	mg/kg	2.00	104	84.1-129	
Ethylbenzene	2.15	0.050	mg/kg	2.00	107	80.1-133	
m,p-Xylene	4.18	0.100	mg/kg	4.00	105	81.4-134	
o-Xylene	2.11	0.050	mg/kg	2.00	105	81.4-133	
Total Xylenes	6.29	0.150	mg/kg	6.00	105	81.5-134	
Surrogate: 4-Bromofluorobenzene (PID)	0.0500		mg/kg	0.0500	100	71.5-134	

LCS Dup (5062422-BSD1)				Prepared: 24-Jun-25 Analyzed: 25-Jun-25			
Benzene	1.97	0.050	mg/kg	2.00	98.6	76.3-129	3.30
Toluene	2.01	0.050	mg/kg	2.00	100	84.1-129	3.89
Ethylbenzene	2.06	0.050	mg/kg	2.00	103	80.1-133	4.32
m,p-Xylene	4.04	0.100	mg/kg	4.00	101	81.4-134	3.48
o-Xylene	2.02	0.050	mg/kg	2.00	101	81.4-133	4.03
Total Xylenes	6.07	0.150	mg/kg	6.00	101	81.5-134	3.67
Surrogate: 4-Bromofluorobenzene (PID)	0.0494		mg/kg	0.0500	98.9	71.5-134	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220

Project: LOST TANK 25 CGL
Project Number: 03B1417303
Project Manager: SAMANTHA MACKENZIE
Fax To:

Reported:
10-Jul-25 18:03

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	---------	-------	-------

Batch 5062501 - General Prep - Organics

Blank (5062501-BLK1)						Prepared & Analyzed: 25-Jun-25				
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	53.6		mg/kg	50.0		107	44.4-145			
Surrogate: 1-Chlorooctadecane	54.1		mg/kg	50.0		108	40.6-153			
LCS (5062501-BS1)						Prepared & Analyzed: 25-Jun-25				
GRO C6-C10	201	10.0	mg/kg	200		100	81.5-123			
DRO >C10-C28	209	10.0	mg/kg	200		105	77.7-122			
Total TPH C6-C28	410	10.0	mg/kg	400		102	80.9-121			
Surrogate: 1-Chlorooctane	51.6		mg/kg	50.0		103	44.4-145			
Surrogate: 1-Chlorooctadecane	54.0		mg/kg	50.0		108	40.6-153			
LCS Dup (5062501-BSD1)						Prepared & Analyzed: 25-Jun-25				
GRO C6-C10	203	10.0	mg/kg	200		101	81.5-123	0.995	13	
DRO >C10-C28	206	10.0	mg/kg	200		103	77.7-122	1.57	15.6	
Total TPH C6-C28	409	10.0	mg/kg	400		102	80.9-121	0.306	18.5	
Surrogate: 1-Chlorooctane	55.2		mg/kg	50.0		110	44.4-145			
Surrogate: 1-Chlorooctadecane	56.4		mg/kg	50.0		113	40.6-153			

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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

Caley D. Keene, Lab Director/Quality Manager



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

10f 1

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Ensolum LLC</u>		BILL TO		ANALYSIS REQUEST							
Project Manager: <u>Samantha Mackenzie</u>		P.O. #: <u>450269ST97</u>									
Address: <u>3122 National Parkes Hwy</u>		Company: <u>Oxy</u>									
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u>		Attn: <u>Jessica Keot/David Paris</u>									
Phone #: <u>703-357-3545</u> Fax #:		Address:									
Project #: <u>03B1417303</u> Project Owner:		City:									
Project Name: <u>Lost Tank 25 CGL</u>		State: _____ Zip: _____									
Project Location:		Phone #:									
Sampler Name: <u>Sherele Brooks/Jaden Engels</u>		Fax #:									
FOR LAB USE ONLY											
Lab I.D.	Sample I.D.	Sample Depth	# GRAB OR (C)ONTAINERS	MATRIX		PRESERV.	SAMPLING				
				GROUNDWATER	WASTEWATER			SOIL	OIL	SLUDGE	OTHER :
1	DS01	* BGS 0.25'	0 1	X			X	6/19/25	09:57	X	X
2	DS02								10:44		
3	DS06								10:55		
4	DS03								11:22		
5	DS04								11:25		
6	DS05								11:29	-	-
Chloride 4500											

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Relinquished By: <i>Jaden Engels</i>		Date: <u>4/28/25</u>	Received By: <i>asemos</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
		Time: <u>12:18</u>		All Results are emailed. Please provide Email address:
Relinquished By:		Date: <u></u>	Received By:	<i>Shackenzielensolum.ca, sbrooks@ensolum.ca</i>
		Time: <u></u>		REMARKS: <i>*Customer requested Depth changes</i>
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C <u>22.5</u> Corrected Temp. °C <u>22.5</u>	Sample Condition Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>DR</i>
				Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
				Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No
				Observed Temp. °C
				Corrected Temp. °C

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



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

July 08, 2025

SAMANTHA MACKENZIE
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: LOST TANK 25 CGL

Enclosed are the results of analyses for samples received by the laboratory on 07/01/25 12:19.

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, appearing to read "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
 SAMANTHA MACKENZIE
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 07/01/2025 Sampling Date: 07/01/2025
 Reported: 07/08/2025 Sampling Type: Soil
 Project Name: LOST TANK 25 CGL Sampling Condition: Cool & Intact
 Project Number: 03B1417303 Sample Received By: Tamara Oldaker
 Project Location: OXY

Sample ID: FS 05 0.5' (H253965-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/01/2025	ND	2.02	101	2.00	2.29		
Toluene*	<0.050	0.050	07/01/2025	ND	2.19	110	2.00	2.19		
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	0.961		
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.10	102	6.00	1.57		
Total BTEX	<0.300	0.300	07/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/02/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	189	94.3	200	1.71		
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	204	102	200	2.87		
EXT DRO >C28-C36	<10.0	10.0	07/01/2025	ND						

Surrogate: 1-Chlorooctane 98.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.2 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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



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

Analytical Results For:

ENSOLUM
 SAMANTHA MACKENZIE
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 07/01/2025 Sampling Date: 07/01/2025
 Reported: 07/08/2025 Sampling Type: Soil
 Project Name: LOST TANK 25 CGL Sampling Condition: Cool & Intact
 Project Number: 03B1417303 Sample Received By: Tamara Oldaker
 Project Location: OXY

Sample ID: FS 06 0.5' (H253965-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/01/2025	ND	2.02	101	2.00	2.29		
Toluene*	<0.050	0.050	07/01/2025	ND	2.19	110	2.00	2.19		
Ethylbenzene*	0.190	0.050	07/01/2025	ND	2.03	101	2.00	0.961	GC-NC1	
Total Xylenes*	1.16	0.150	07/01/2025	ND	6.10	102	6.00	1.57	GC-NC1	
Total BTEX	1.35	0.300	07/01/2025	ND					GC-NC1	

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	07/02/2025	ND	416	104	400	0.00		

TPH 8015M mg/kg Analyzed By: MS

Analyte		Result		Reporting Limit		Analyzed		Method Blank		BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	64.5		10.0		07/01/2025		ND		189		94.3	200	1.71	
DRO >C10-C28*	2210		10.0		07/01/2025		ND		204		102	200	2.87	
EXT DRO >C28-C36	492		10.0		07/01/2025		ND							

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 157 % 40.6-153

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*=Accredited Analyte

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



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

Analytical Results For:

ENSOLUM
 SAMANTHA MACKENZIE
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	07/01/2025	Sampling Date:	07/01/2025
Reported:	07/08/2025	Sampling Type:	Soil
Project Name:	LOST TANK 25 CGL	Sampling Condition:	Cool & Intact
Project Number:	03B1417303	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: FS 07 1' (H253965-03)

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	07/01/2025	ND	2.02	101	2.00	2.29		
Toluene*	<0.050	0.050	07/01/2025	ND	2.19	110	2.00	2.19		
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	0.961		
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.10	102	6.00	1.57		
Total BTEX	<0.300	0.300	07/01/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/02/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	189	94.3	200	1.71		
DRO >C10-C28*	<10.0	10.0	07/01/2025	ND	204	102	200	2.87		
EXT DRO >C28-C36	15.1	10.0	07/01/2025	ND						

Surrogate: 1-Chlorooctane 97.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.9 % 40.6-153

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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
 SAMANTHA MACKENZIE
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	07/01/2025	Sampling Date:	07/01/2025
Reported:	07/08/2025	Sampling Type:	Soil
Project Name:	LOST TANK 25 CGL	Sampling Condition:	Cool & Intact
Project Number:	03B1417303	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SW 03 0-1' (H253965-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/01/2025	ND	2.02	101	2.00	2.29		
Toluene*	<0.050	0.050	07/01/2025	ND	2.19	110	2.00	2.19		
Ethylbenzene*	<0.050	0.050	07/01/2025	ND	2.03	101	2.00	0.961		
Total Xylenes*	<0.150	0.150	07/01/2025	ND	6.10	102	6.00	1.57		
Total BTEX	<0.300	0.300	07/01/2025	ND						

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

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	07/02/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/01/2025	ND	189	94.3	200	1.71		
DRO >C10-C28*	44.1	10.0	07/01/2025	ND	204	102	200	2.87		
EXT DRO >C28-C36	15.7	10.0	07/01/2025	ND						

Surrogate: 1-Chlorooctane 98.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.4 % 40.6-153

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*=Accredited Analyte

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



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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

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A handwritten signature in black ink, appearing to read "Mike Snyder".

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101

Company Name: <i>Ensulum LLC</i>			BILL TO			ANALYSIS REQUEST																																																										
Project Manager: <i>Samantha Mackenzie</i>			P.O. #: <i>4502695197</i>																																																													
Address: <i>601 N Marientfield St. #400</i>			Company: <i>Oxy</i>																																																													
City: <i>Midland</i> State: <i>TX</i> Zip: <i>79701</i>			Attn: <i>Jessica Kent/David</i>																																																													
Phone #: <i>703-357-3545</i> Fax #:			Address: <i>Sparks</i>																																																													
Project #: <i>03B1417303</i> Project Owner:			City:																																																													
Project Name: <i>Lost Tank 25 CDR</i>			State: Zip:																																																													
Project Location:			Phone #:																																																													
Sampler Name: <i>Sherale Brooks, Elizabeth Alvarez</i>			Fax #:																																																													
<table border="1"> <thead> <tr> <th colspan="2">FOR LAB USE ONLY</th> <th rowspan="2">Sample I.D.</th> <th rowspan="2">Sample Depth</th> <th rowspan="2">(G)RAB OR (C)OMP.</th> <th rowspan="2"># CONTAINERS</th> <th rowspan="2">MATRIX</th> <th rowspan="2">PRESERV.</th> <th rowspan="2">SAMPLING</th> </tr> <tr> <th>Lab I.D.</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td><i>FS05</i></td> <td><i>0.5'</i></td> <td><i>C1</i></td> <td><i>1</i></td> <td><i>GROUNDWATER</i></td> <td><i>ICE / COOL</i></td> <td><i>RT/EX 8021</i></td> </tr> <tr> <td>2</td> <td></td> <td><i>FS06</i></td> <td><i>0.5'</i></td> <td><i>1</i></td> <td><i>1</i></td> <td><i>WASTEWATER</i></td> <td><i>OTHER</i></td> <td><i>10:44</i></td> </tr> <tr> <td>3</td> <td></td> <td><i>FS07</i></td> <td><i>1'</i></td> <td><i>1</i></td> <td><i>1</i></td> <td><i>SOIL</i></td> <td><i>ICE / COOL</i></td> <td><i>10:21</i></td> </tr> <tr> <td>4</td> <td></td> <td><i>SW03</i></td> <td><i>0-1'</i></td> <td><i>1</i></td> <td><i>1</i></td> <td><i>OIL</i></td> <td><i>OTHER</i></td> <td><i>11:02</i></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><i>Chloride 4500</i></td> </tr> </tbody> </table>									FOR LAB USE ONLY		Sample I.D.	Sample Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	Lab I.D.		1		<i>FS05</i>	<i>0.5'</i>	<i>C1</i>	<i>1</i>	<i>GROUNDWATER</i>	<i>ICE / COOL</i>	<i>RT/EX 8021</i>	2		<i>FS06</i>	<i>0.5'</i>	<i>1</i>	<i>1</i>	<i>WASTEWATER</i>	<i>OTHER</i>	<i>10:44</i>	3		<i>FS07</i>	<i>1'</i>	<i>1</i>	<i>1</i>	<i>SOIL</i>	<i>ICE / COOL</i>	<i>10:21</i>	4		<i>SW03</i>	<i>0-1'</i>	<i>1</i>	<i>1</i>	<i>OIL</i>	<i>OTHER</i>	<i>11:02</i>									<i>Chloride 4500</i>
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>Sherale Brooks</i>	Date: <i>1-1-25</i>	Received By: <i>Samantha Mackenzie</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
Relinquished By: <i>Elizabeth Alvarez</i>	Date: <i>12/19</i>	Received By: <i>Elizabeth Alvarez</i>	All Results are emailed. Please provide Email address: <i>smackenzie@ensulum.com, elizabeth@ensulum.com</i>
Delivered By: (Circle One)	Observed Temp. °C <i>17</i>	Sample Condition <i>Cool Intact</i>	REMARKS:
Sampler - UPS - Bus - Other:	Corrected Temp. °C <i>2.0</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Thermometer ID #140 <input type="checkbox"/> Yes <input type="checkbox"/> Yes Correction Factor +0.3°C <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C



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

August 25, 2025

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

RE: LOST TANK 25 CGL

Enclosed are the results of analyses for samples received by the laboratory on 08/19/25 14:00.

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

Received:	08/19/2025	Sampling Date:	08/15/2025
Reported:	08/25/2025	Sampling Type:	Soil
Project Name:	LOST TANK 25 CGL	Sampling Condition:	Cool & Intact
Project Number:	03B1417303	Sample Received By:	Tamara Oldaker
Project Location:	OXY 32.360084,-103.832143		

Sample ID: FS06 3' (H255135-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*		<0.050	0.050	08/20/2025	ND	1.58	79.1	2.00	5.36	
Toluene*		<0.050	0.050	08/20/2025	ND	1.68	83.8	2.00	7.70	
Ethylbenzene*		<0.050	0.050	08/20/2025	ND	1.70	85.2	2.00	8.73	
Total Xylenes*		<0.150	0.150	08/20/2025	ND	5.19	86.6	6.00	8.67	
Total BTEX		<0.300	0.300	08/20/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		16.0	16.0	08/20/2025	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	08/19/2025	ND	199	99.6	200	1.85	
DRO >C10-C28*		<10.0	10.0	08/19/2025	ND	194	96.9	200	1.46	
EXT DRO >C28-C36		<10.0	10.0	08/19/2025	ND					

Surrogate: 1-Chlorooctane 89.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.6 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/19/2025 Sampling Date: 08/15/2025
 Reported: 08/25/2025 Sampling Type: Soil
 Project Name: LOST TANK 25 CGL Sampling Condition: Cool & Intact
 Project Number: 03B1417303 Sample Received By: Tamara Oldaker
 Project Location: OXY 32.360084,-103.832143

Sample ID: SW04 0-3' (H255135-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2025	ND	1.58	79.1	2.00	5.36		
Toluene*	<0.050	0.050	08/20/2025	ND	1.68	83.8	2.00	7.70		
Ethylbenzene*	<0.050	0.050	08/20/2025	ND	1.70	85.2	2.00	8.73		
Total Xylenes*	<0.150	0.150	08/20/2025	ND	5.19	86.6	6.00	8.67		
Total BTEX	<0.300	0.300	08/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/20/2025	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	08/19/2025	ND	199	99.6	200	1.85		
DRO >C10-C28*	<10.0	10.0	08/19/2025	ND	194	96.9	200	1.46		
EXT DRO >C28-C36	<10.0	10.0	08/19/2025	ND						

Surrogate: 1-Chlorooctane 72.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.4 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

 Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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A handwritten signature in black ink that appears to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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Relinquished By: 		Date: <u>8-19-25</u>	Received By: 	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: smackenzie@ensolum.com, kshimada@ensolum.com	
		Time: <u>1400</u>			
Relinquished By:		Date: _____	Received By: _____	REMARKS: Paykey/AFE/NonAFE: _____	
		Time: _____			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C Corrected Temp. °C <u>-0.3</u> <u>00</u>	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) <u>AO</u>	Turnaround Time: Standard <input checked="" type="checkbox"/> Bacteria (only) Sample Condition Rush <input type="checkbox"/> Cool Intact Observed Temp. °C Thermometer ID <u>A13</u> # <u>140</u> <u>+0.3c</u> <input type="checkbox"/> Yes <input type="checkbox"/> Yes Correction Factor <u>-0.3c</u> <u>+0.3c</u> <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C <u>AO</u>



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

August 29, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: CORRAL FLY 35 -26 FED CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/28/25 10:05.

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:	08/28/2025	Sampling Date:	08/28/2025
Reported:	08/29/2025	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 -26 FED CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417230	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.163677, -103.954141		

Sample ID: BF 01 (H255361-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2025	ND	1.68	83.8	2.00	7.26		
Toluene*	<0.050	0.050	08/28/2025	ND	1.79	89.7	2.00	6.29		
Ethylbenzene*	<0.050	0.050	08/28/2025	ND	1.82	91.0	2.00	4.96		
Total Xylenes*	<0.150	0.150	08/28/2025	ND	5.36	89.4	6.00	4.76		
Total BTEX	<0.300	0.300	08/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/29/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/28/2025	ND	191	95.3	200	1.79		
DRO >C10-C28*	<10.0	10.0	08/28/2025	ND	189	94.6	200	3.75		
EXT DRO >C28-C36	<10.0	10.0	08/28/2025	ND						

Surrogate: 1-Chlorooctane 70.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.1 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name Ensolum				BILL TO		ANALYSIS REQUEST					
Project Manager: Kelly Lowery Address: 601 N. Marienfeld St STE 400 City: Midland Phone #: 214-733-3165 Project #: 03B1417120 NC 03B1417230 Project Owner: OXY Project Name: Federal 23 11 CTB Corral Fly 35-26 Fed. CTB Project Location: New Mexico County, NM Sampler Name: Nicolas Christakos				P.O. #: Company OXY USA, Inc Attn: Daniel Sparks Address: City: State: Zip: Phone #: Fax #:							
FOR LAB USE ONLY		Lab I.D. H255361 Sample I.D. BF01 Sample Depth -		MATERIAL # CONTAINERS C1 GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : NC ACID/BASE: ICE / COOL OTHER : NFE		PRESERV. DATE 08/28/25 TIME 0855		SAMPLING TPH 8015 BTEX 8021 Chloride 4500			

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affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.			
Relinquished By: 		Date: 9-28-25 Time: 1005	Received By: 
Relinquished By: 		Date: Time: 	Received By: 
Delivered By: (Circle One) Sampler - UPS - Bus - Other: FORM-006 R 3.6 02/12/25		Observed Temp. °C <u>29.</u> Corrected Temp. °C <u>3.25</u>	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No CHECKED BY: 
		Turnaround Time: Thermometer ID #140 Correction Factor +0.3°C	Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> 24 hr
		Bacteria (only) Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C	

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

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 521692

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521692
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2512130347
Incident Name	NAPP2512130347 LOST TANK 25 CGL @ K-25-22S-31E
Incident Type	Fire
Incident Status	Remediation Closure Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	LOST TANK 25 CGL
Date Release Discovered	04/08/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Cause: Fire Flow Line - Production Crude Oil Released: 1 BBL Recovered: 0 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Fire Flow Line - Production Produced Water Released: 2 BBL Recovered: 0 BBL Lost: 2 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Energy, Minerals and Natural Resources
Oil Conservation Division
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QUESTIONS, Page 2

Action 521692

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521692
	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)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.

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.

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

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

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

I hereby agree and sign off to the above statement	No
--	----

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QUESTIONS, Page 3

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Action 521692

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521692
	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 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	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)	416
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	16565
GRO+DRO (EPA SW-846 Method 8015M)	13815
BTEX (EPA SW-846 Method 8021B or 8260B)	2
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	06/06/2025
On what date will (or did) the final sampling or liner inspection occur	08/15/2025
On what date will (or was) the remediation complete(d)	09/08/2025
What is the estimated surface area (in square feet) that will be reclaimed	2420
What is the estimated volume (in cubic yards) that will be reclaimed	110
What is the estimated surface area (in square feet) that will be remediated	2420
What is the estimated volume (in cubic yards) that will be remediated	110

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

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

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QUESTIONS, Page 4

Action 521692

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521692
	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	<i>Not answered.</i>
OR is the off-site disposal site, to be used, out-of-state	<i>Not answered.</i>
OR is the off-site disposal site, to be used, an NMED facility	<i>Not answered.</i>
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<i>Not answered.</i>
(In Situ) Soil Vapor Extraction	<i>Not answered.</i>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<i>Not answered.</i>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<i>Not answered.</i>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<i>Not answered.</i>
Ground Water Abatement pursuant to 19.15.30 NMAC	<i>Not answered.</i>
OTHER (Non-listed remedial process)	<i>Not answered.</i>

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

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

I hereby agree and sign off to the above statement	Name: Daniel Sparks Title: Environmental Analyst III Email: daniel_sparks@oxy.com Date: 10/30/2025
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 521692

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521692
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only

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

Requesting a deferral of the remediation closure due date with the approval of this submission	No
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QUESTIONS, Page 6

Action 521692

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521692
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	495589
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/15/2025
What was the (estimated) number of samples that were to be gathered	3
What was the sampling surface area in square feet	2388

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2420
What was the total volume (cubic yards) remediated	110
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	2420
What was the total volume (in cubic yards) reclaimed	110
Summarize any additional remediation activities not included by answers (above)	NA

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

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

I hereby agree and sign off to the above statement	Name: Daniel Sparks Title: Environmental Analyst III Email: daniel_sparks@oxy.com Date: 10/30/2025
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QUESTIONS, Page 7

Action 521692

QUESTIONS (continued)

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	Action Number: 521692
	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	<input type="checkbox"/> No

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CONDITIONS

Action 521692

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521692
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	12/30/2025