



October 1, 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: Reclamation Report
NIMITZ MDP1 13 1 Fed. Com. #311H
Incident Number nAPP2420440081
Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Oxy USA, Inc (Oxy), has prepared the following *Reclamation Report* for the NIMITZ MDP1 13 1 Fed. Com. #311H (Site). The *Reclamation Report* documents the Site history, reclamation activities completed to date, and proposes a vegetation monitoring plan.

BACKGROUND

The Site is located in Unit M, Section 13, Township 24 South, Range 30 East, in Eddy County, New Mexico (32.212551°, -103.839259°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On July 20, 2024, a flow line rupture resulted in the release of approximately 3 barrels (bbls) of crude oil and 7 bbls of produced water into the pasture. Oxy reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on July 22, 2024. The release was assigned Incident Number nAPP2420440081.

Delineation and excavation of impacted soil was completed at the Site between August 17, 2024, and October 3, 2024. The final excavation area measured approximately 4,328 square feet. A total of approximately 641 cubic yards of impacted soil were removed during the excavation activities. Based on the delineation and excavation soil sample analytical results, a *Closure Report* was submitted to the NMOCD on January 15, 2025. The NMOCD approved the *Closure Report* on April 8, 2025. Additional details regarding the release, Site Characterization, delineation and excavation activities, and soil sample analytical results can be referenced in the approved *Closure Report* included as an attachment to this report. Remediation of the release was completed in accordance with Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC).

RECLAMATION ACTIVITIES

Upon completion of excavation activities and receipt of final laboratory analytical results, the excavation was backfilled with locally procured topsoil, and the area was graded and contoured to match the surrounding topography. The excavation extent and reclamation area are depicted on the attached Figure 1. Photographic documentation is included in Appendix A.

Oxy USA, Inc.
 Reclamation Report
 NIMITZ MDP1 13 1 Fed. Com. #311H

One representative 5-point composite sample (BF01) was collected from the topsoil backfill material on September 17, 2025. The backfill soil sample was transported under strict chain-of-custody procedures to Cardinal Laboratories in Hobbs, New Mexico, for analysis of the following constituents of concern (COCs): benzene, toluene, ethylbenzene, and total xylenes (BTEX) following United States Environmental Protection Agency (EPA) Method 8021B; total petroleum hydrocarbons (TPH)-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method 4500.

Laboratory analytical results for the backfill soil sample confirmed compliance with NMOCD requirements for the reclaimed area to contain non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 milligrams per kilogram (mg/kg) and TPH concentrations less than 100 mg/kg. The laboratory analytical results are summarized in the attached Table 1, the complete laboratory analytical report is included as Appendix B, photographs of the backfilled excavation are provided in Appendix A and in the January 15, 2025, *Closure Request*.

The reclaimed area was seeded on July 3, 2025, with the below BLM seed mixture #1 for loamy sites. The seed was applied with a broadcast seed spreader at double the rate specified in pounds of pure live seed (PLS) per acre to account for the application method.

Species/Cultivar	PLS/Acre
Plains lovegrass (<i>Eragrostis intermedia</i>)	0.5
Sand dropseed (<i>Sporobolus cryptandrus</i>)	1.0
Sideoats grama (<i>Bouteloua curtipendula</i>)	5.0
Plains bristlegrass (<i>Setaria macrostachya</i>)	2.0

Following broadcast seeding, the area was chained to cover the seed. Photographs of the backfilled excavation and seeding of the reclaimed area are provided in Appendix A.

VEGETATION MONITORING

The Site will be monitored for vegetation growth to verify reclamation activities were successful. Focus for this phase will be to prevent erosion and Site degradation, and to monitor for and treat invasive and noxious weed species.

- Annual inspections will take place at the location to assess revegetation progress until vegetation is consistent with local natural vegetation density.
- If necessary, an additional application of the BLM seed mix will be applied.
- Noxious and invasive weeds will be identified and treated by licensed contracted herbicide applicators or mechanically/physically removed.

A *Re-vegetation Report* will be submitted to the NMOCD and BLM once vegetation growth in the reclaimed pasture area has a uniform vegetative cover that reflects a life-form ratio of plus or minus 50 percent (%) of pre-disturbance levels and a total percent plant cover of at least 70% of pre-disturbance levels, excluding noxious weeds, per NMAC 19.15.29.13 D.(3).

Oxy USA, Inc.
Reclamation Report
NIMITZ MDP1 13 1 Fed. Com. #311H

RECLAMATION APPROVAL REQUEST

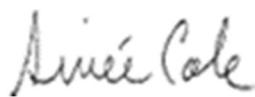
Based on the reclamation activities completed to date and proposed vegetation monitoring plan described above, Oxy respectfully requests approval of this *Reclamation Report* and a status update to *Reclamation Report Approved, Pending submission of Re-Vegetation Report* for Incident Number nAPP2420440081.

If you have any questions or comments, please contact Ms. Aimee Cole at (720) 384-7365 or acole@ensolum.com.

Sincerely,
Ensolum, LLC



Kara Naegeli, GIT
Staff Geologist



Aimee Cole
Associate Principal

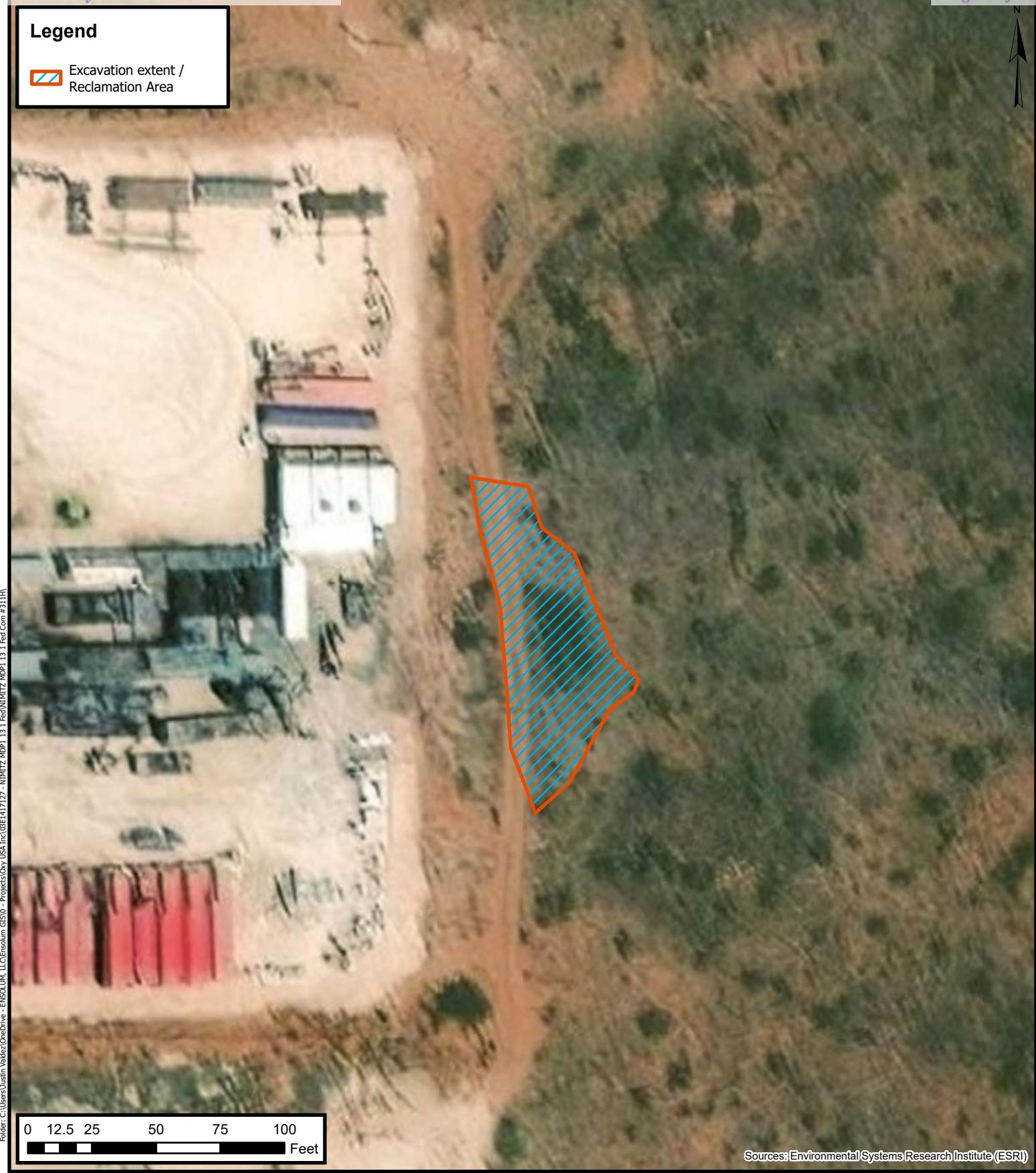
cc: Daniel Sparks, Oxy USA, Inc.
BLM

Appendices:

- Figure 1 Excavation Extent / Reclamation Area
- Table 1 Backfill Soil Sample Analytical Results
- Appendix A Photographic Log
- Appendix B Laboratory Analytical Report & Chain of Custody Documentation
- Appendix C Seed Mixture
- Appendix D *Closure Report*: Dated January 15, 2025



FIGURES



Environmental, Engineering and
Hydrogeologic Consultants

Excavation Extent / Reclamation Area

Oxy USA Inc
NIMITZ MDP1 13 1 Fed/ Com. #311H
Incident Number: nAPP2420440081
Unit M Section 13, T 24S, R 30E
Eddy County, New Mexico

FIGURE
1



TABLES



TABLE 1
BACKFILL SOIL SAMPLE ANALYTICAL RESULTS
NIMITZ MDP1 13 1 Federal Com. #311H
Oxy USA, Inc.
Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)		10	50	NE	NE	NE	NE	NE	100	600
Backfill Soil Sample										
BF01	09/17/2025	NA	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NA: Not Applicable

NE: Not Established

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX A

Photographic Log

**Photographic Log**

Oxy USA, Inc

NIMITZ MDP1 13 1 Fed/Com. #311H

Eddy County, New Mexico



07.03.2025 03:59 PM
32.21237, -103.83913
Unnamed Road, Loving, NM 88256

Photograph: 1

Date: 7/3/2025

Description: Reseeding Activities



07.03.2025 03:54 PM
32.21297, -103.83909
Unnamed Road, Loving, NM 88256

Photograph: 2

Date: 7/3/2025

Description: Reseeding Activities



07.03.2025 03:53 PM
32.21249, -103.83903
Twin Wells Rd, Loving, NM 88256

Photograph: 3

Date: 7/3/2025

Description: Reseeding Activities



07.03.2025 03:52 PM
32.21249, -103.83899
Twin Wells Rd, Loving, NM 88256

Photograph: 4

Date: 7/3/2025

Description: Reseeding Activities



APPENDIX B

Laboratory Analytical Report & Chain of Custody Documentation



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

September 23, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: NIMITZ MDP1 13 1 FEDERAL COM #171H

Enclosed are the results of analyses for samples received by the laboratory on 09/17/25 16:37.

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:	09/17/2025	Sampling Date:	09/17/2025
Reported:	09/23/2025	Sampling Type:	Soil
Project Name:	NIMITZ MDP1 13 1 FEDERAL COM #171I	Sampling Condition:	Cool & Intact
Project Number:	03B1417137	Sample Received By:	Tamara Oldaker
Project Location:	OXY 32.213031, -103.840494		

Sample ID: BF 01 (H255823-01)

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	09/18/2025	ND	1.75	87.6	2.00	10.7		
Toluene*	<0.050	0.050	09/18/2025	ND	1.78	88.9	2.00	8.39		
Ethylbenzene*	<0.050	0.050	09/18/2025	ND	1.78	88.8	2.00	5.77		
Total Xylenes*	<0.150	0.150	09/18/2025	ND	5.24	87.3	6.00	5.79		
Total BTEX	<0.300	0.300	09/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.9 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/18/2025	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	09/18/2025	ND	205	103	200	0.799		
DRO >C10-C28*	<10.0	10.0	09/18/2025	ND	212	106	200	0.429		
EXT DRO >C28-C36	<10.0	10.0	09/18/2025	ND						

Surrogate: 1-Chlorooctane 96.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.8 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

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

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC						BILL TO			ANALYSIS REQUEST								
Project Manager: Kelly Lowery						P.O. #:											
Address: 601 N. Marienfeld St. STE 400						Company: ONE USA, Inc. SK											
City: Midland			State: TX Zip: 79701			Attn: Daniel Sparks SK											
Phone #: 214-733-3165			Email: klowery@ensolum.com			Address:											
Project #: 03B1417137			Project Owner			City:											
Project Name: NIMITZ MDP1 13 1 Federal Com. #171H						State: Zip:											
Project Location: Eddy County						Phone #:											
Sampler Name: Kaoru Shimada						Email:											
FOR LAB USE ONLY																	
Lab I.D.	Sample I.D.	Sample Depth (ft)	(G)RAB OR (C)OMP:		MATRIX		PRESERV.		SAMPLING								
			#	CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	BTEX 8021 B	TPH 8015 M
H255823	BF01	NA	c	1	x				x		9/17/25	935	x	x	x		
NFE SK 9-17-25																	

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 to 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, or any other party, arising out of or in connection with the performance of the services, the use of the analyses, or otherwise.

In no event shall Cardinal be liable for incidental or consequential damages, including but not limited to lost profits, 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: <u>9/17/25</u> Time: <u>11:37</u>	Received By: 
Relinquished By:		Date: _____ Time: _____	Received By: _____
Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: _____ All Results are emailed. Please provide Email address: klowery@ensolum.com, kshimada@ensolum.com			
REMARKS: Paykey/AFE/NonAFE:			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C <u>28</u> Corrected Temp. °C <u>31</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input checked="" type="checkbox"/> No
		CHECKED BY: (Initials) 	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Cool Intact <input type="checkbox"/> Observed Temp. °C Thermometer ID: <u>E113</u> <u>#140</u> Correction Factor: <u>-0.5°C</u> <u>+0.3°C</u> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input checked="" type="checkbox"/> No Corrected Temp. °C



APPENDIX C

Seed Mixture

Seed Mixture 1 for Loamy Sites

Holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed shall be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed shall be either certified or registered seed. The seed container shall be tagged in accordance with State law(s) and available for inspection by the Authorized Officer.

Seed shall be planted using a drill equipped with a depth regulator to ensure proper depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture shall be evenly and uniformly planted over the disturbed area (small/heavier seeds have a tendency to drop the bottom of the drill and are planted first). Holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed shall be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre shall be doubled. The seeding shall be repeated until a satisfactory stand is established as determined by the Authorized Officer. Evaluation of growth may not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	<u>lb/acre</u>
Plains lovegrass (Eragrostis intermedia)	0.5
Sand dropseed (Sporobolus cryptandrus)	1.0
Sideoats grama (Bouteloua curtipendula)	5.0
Plains bristlegrass (Setaria macrostachya)	2.0

*Pounds of pure live seed:

Pounds of seed \times percent purity \times percent germination = pounds pure live seed



APPENDIX D

Closure Report: Dated January 15, 2025



CLOSURE REPORT

Property:

NIMITZ MDP1 13 1 Fed. Com. #311H

**Unit M, S13, T24S, R30E
32.212551° N, 103.839259° W
Eddy County, New Mexico
API: 30-015-48586
NMOCD Incident ID: nAPP2420440081**

January 15, 2025
Ensolum Project No. 03B1417213

Prepared for:

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

Attn: Wade Dittrich

Prepared by:



Tabitha Guardian
Staff Geologist



Beaux Jennings
Associate Principal

TABLE OF CONTENTS

1.0	INTRODUCTION.....	3
1.1	Site Description & Background	3
1.2	Project Objective.....	3
2.0	CLOSURE CRITERIA.....	3
3.0	SOIL REMEDIATION ACTIVITIES.....	5
4.0	SOIL SAMPLING PROGRAM.....	6
5.0	SOIL LABORATORY ANALYTICAL METHODS	6
6.0	DATA EVALUATION.....	7
7.0	RECLAMATION AND RE-VEGETATION.....	7
8.0	FINDINGS AND RECOMMENDATION.....	8
9.0	STANDARDS OF CARE, LIMITATIONS, AND RELIANCE.....	9
9.1	Standard of Care	9
9.2	Limitations	9
9.3	Reliance.....	9

LIST OF APPENDICES

- Appendix A: Figures
- Appendix B: Supporting Documentation
- Appendix C: Photographic Documentation
- Appendix D: Tables
- Appendix E: Laboratory Analytical Reports & Chain-of-Custody Documentation

CLOSURE REPORT**NIMITZ MDP1 13 1 Fed. Com #311H**

Unit M, S13, T24S, R30E
 32.212551° N, 103.839259° W
 Eddy County, New Mexico
 API: 30-015-48586
 NMOCD Incident ID: nAPP2420440081

Ensolum Project No. 03B1417213

1.0 INTRODUCTION**1.1 Site Description & Background**

Operator:	OXY USA, Inc. (Oxy)
Site Name:	NIMITZ MDP1 13 1 Fed. Com #311H
Location:	Unit M, Section 13, Township 24 South, Range 30 East American Petroleum Institute (API): 30-015-48586 32.212551° N, 103.839259° W Eddy County, New Mexico
Property:	Federal land managed by the Bureau of Land Management (BLM)
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On July 20, 2024, Oxy had a release of produced water and crude oil at the Site due to a flow line rupture. The flow line was isolated, depressurized, locked, and tagged out. Approximately 3 barrels (bbls) of crude oil and 7 bbls of produced water were released onto the ground surface, with none recovered. Oxy reported the release to the New Mexico EMNRD OCD online portal notification of release (NOR) form on July 22, 2024, and was subsequently assigned Incident Number nAPP2420440081.

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

1.2 Project Objective

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

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. In order to address activities related to exempt oil and gas releases, the New Mexico EMNRD OCD references New Mexico Administrative Code (NMAC) 19.15.29 *Releases*, which establishes investigation and abatement action requirements for sites subject to reporting and/or corrective action. Ensolum,

LLC (Ensolum) utilized information provided by Oxy, the general Site characteristics, and information from the New Mexico Office of the State Engineer (OSE) and the New Mexico EMNRD OCD Imaging database to determine the appropriate closure criteria for the Site. Supporting documentation and figures associated with the following bullets are provided in **Appendix B** and included in **Figure 4** in **Appendix A**.

- One exploratory water well (C-04483-POD1) was identified to the southeast within a 0.5-mile radius of the Site on the OSE Water Rights Reporting System (WRRS) database. Due to an error by the driller when completing the driller's log, the longitude was incorrectly documented. This was subsequently amended to reflect the correct location.
 - Prior to this discovery, Ensolum, on behalf of Oxy, had requested a depth to groundwater Closure Criteria Variance Request to utilize the OSE WRRS water well C-04575-POD1 located approximately 0.62 miles southwest of the Site. Due to the regional depth to groundwater being greater than 100 feet below ground surface (bgs) and the Site being in a low karst potential area, the Closure Criteria Variance Request to reflect groundwater >100 feet as shown in Table I of 19.15.29.12 NMAC was granted by the New Mexico EMNRD OCD on August 9, 2024.
- The Site is not located within 300 feet of a New Mexico ENMRD OCD-defined continuously flowing watercourse or significant watercourse.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church.
- According to the OSE WRSS database, no private, domestic freshwater wells are used by less than five households for domestic or stock water purposes identified within 500 feet of the Site.
- According to the OSE WRSS database, no freshwater wells have been identified within 1,000 feet of the Site.
- The Site is not located within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to New Mexico Statute Annotated (NMSA) 1978, Section 3-27-3.
- The Site is not located within 300 feet of a wetland.
- Based on information identified on the New Mexico Mining and Minerals Division's Geographical Information System (GIS), Maps, and Mine Data database, the Site is not located within an area overlying a subsurface mine.
- Based on the Karst Occurrence Potential (.kmz) provided by the BLM, the Site is located within a stable area, also referred to as low karst potential.
- The Site is not located within a 100-year floodplain.

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

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

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

3.0 SOIL REMEDIATION ACTIVITIES

On July 20, 2024, Oxy had a release of produced water and crude oil at the Site due to a flow line rupture. The flow line was isolated, depressurized, locked, and tagged out. Approximately 3 bbls of crude oil and 7 bbls of produced water were released onto the ground surface, with none recovered.

From August 28 through October 3, 2024, excavation activities were conducted at the Site.

On September 17, 2024, subsequent to excavation activities, Ensolum arrived on-Site to collect 21 composite soil samples from the excavation floor (FS01 through FS21) and six composite soil samples from the excavation sidewalls (SW01 through SW06). The excavation floor samples were collected at a depth of 4 feet bgs, and the excavation sidewall samples were collected at a depth of 0-4 feet bgs. Based on laboratory analytical data, additional excavation was necessary.

On October 3, 2024, subsequent to the completion of additional excavation activities, Ensolum arrived on-Site to collect two composite soil samples from the excavation sidewalls (SW01 and SW02) at a depth of 0-4 feet bgs. Based on laboratory analytical data, no additional excavation and/or remediation was necessary.

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

The final excavation areas measured approximately 125 feet long by 60 feet wide at the maximum extents, with a depth of 4 feet bgs.

The excavation measured approximately 4,328 square feet in areal extent. A total of 641 cubic yards (cy) of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land Facility located in Hobbs, New Mexico. After completion of confirmation sampling, the excavation was secured with fencing. Backfill of excavation was completed utilizing material purchased locally from the Twin Wells Caliche Pit and recontoured to match pre-existing conditions. A BLM-approved seed mixture will be sown into the surface area of the backfill for re-vegetation.

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

4.0 SOIL SAMPLING PROGRAM

Ensolum's soil sampling program from September 17, 2024, through October 3, 2024, included the collection of a total of 21 composite soil samples from the excavation floor (FS01 through FS21) and eight composite soil samples from six locations from the excavation sidewalls (SW01 through SW06) for laboratory analysis. Additionally, one composite soil sample was collected from the backfill material at the Site prior to use (Twin Wells Caliche Pit).

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

5.0 SOIL LABORATORY ANALYTICAL METHODS

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

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

6.0 DATA EVALUATION

Ensolum compared the benzene, total BTEX, TPH-GRO/DRO/MRO, and chloride concentrations or laboratory sample detection limits (SDLs) associated with the soils remaining in place to the applicable NMOCD Closure Criteria. The final composite soil samples collected from the Non-Vegetative Zone were compared to the NMOCD Closure Criteria for Soils Impacted by a Release (Non-Vegetative Zone), while the final composite soil samples collected from the Vegetative Zone were compared to the NMOCD Closure Criteria for Soils Impacted by a Release (Vegetative Zone)

- Laboratory analytical results indicate benzene concentrations for soils remaining in place at the Site and the backfill material do not exceed the laboratory SDLs or the applicable NMOCD Closure Criteria of 10 milligrams per kilogram (mg/kg).
- Laboratory analytical results indicated that total BTEX concentrations for soils remaining in place at the Site and the backfill material do not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 50 mg/kg.
- Laboratory analytical results indicate that the combined TPH-GRO/DRO concentrations for soils remaining in place in the Non-Vegetative Zone do not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 1,000 mg/kg for depth to groundwater >100 feet.
- Laboratory analytical results indicate that the combined TPH-GRO/DRO/MRO concentrations for soils remaining in place in the Non-Vegetative Zone do not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 2,500 mg/kg for depth to groundwater >100 feet.
- Laboratory analytical results indicate chloride concentrations for soils remaining in place in the Non-Vegetative Zone do not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 20,000 mg/kg for depth to groundwater >100 feet.
- Laboratory analytical results indicated combined TPH-GRO/DRO/MRO concentrations for soils remaining in place in the Vegetative Zone and the backfill material do not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 100 mg/kg for depth to groundwater ≤50 feet.
- Laboratory analytical results indicated chloride concentrations for soils remaining in place in the Vegetative Zone and the backfill material do not exceed the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 600 mg/kg for depth to groundwater ≤50 feet.
- Laboratory analytical results are summarized in **Table 1**, **Table 2**, and **Table 3** in **Appendix D**.

7.0 RECLAMATION AND RE-VEGETATION

The release occurred off-pad, and as such, a reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the Vegetative Zone that was impacted by the release per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation. The following Reclamation Plan addresses the reclamation of the Vegetative Zone: Soil in the vicinity of the release include predominately gravelly fine sandy loam;

- The backfilled areas will be seeded utilizing a weed-free seed mix designed by the BLM to meet reclamation standards for this region, which is Pecos District BLM Seed Mix for Gravelly Sandy Loam, SD-3 Ecological Site;
- The seed mixture will be distributed with one of the following methods: push broadcaster seed spreader/tractor-operated broadcast seed spreader/drill seeding/other means;
- Application of the seed mixture will be at a coverage of either 10 pounds of seeds per acre of reclaimed pasture with distribution by a drilling method or 20 pounds of seeds per acre of reclaimed pasture with distribution by a broadcast method, whichever was more applicable;
- Erosion control management will potentially include:
 - The placement of waddles in areas with a propensity for high run-off rates.
 - Straw cover if high winds are anticipated to support moisture retention and limit wind from blowing seeds away before they have had time to germinate.
 - Other erosional control best management practices (BMP) as necessary to support timely and healthy regrowth of vegetation in disturbed areas.
- Backfilling of the excavation utilized locally purchased material and recontoured to pre-existing conditions.
- The backfill material was sampled to comply with the above reclamation requirement. The laboratory analytical results are summarized in **Table 3** in **Appendix D**.
- Seeding will be completed during the spring or summer of 2025, during the month(s) when temperatures and precipitation is/are most conducive for vegetation growth. In general, seeding should occur approximately one month after the last frost in the Spring up until approximately one month prior to the first fall frost.
- Annual inspections (at a minimum), will take place on the location until revegetation is consistent with local natural vegetation density. The Site will be inspected the following Spring/Fall to assess the success of regrowth. If necessary, an additional application of the BLM-approved pure live seed mixture will be applied, and any needed BMPs will be installed to support growth and limit erosion.

8.0 FINDINGS AND RECOMMENDATION

- On July 20, 2024, Oxy had a release of produced water and crude oil at the Site due to a flow line rupture. The flow line was isolated, depressurized, locked, and tagged out. Approximately 3 bbls of crude oil and 7 bbls of produced water were released onto the ground surface, with none recovered.
- Ensolum's soil sampling program from September 17, 2024, through October 3, 2024, included the collection of a total of 21 composite soil samples from the excavation floor (FS01 through FS21) and eight composite soil samples from six locations from the excavation sidewalls (SW01 through SW06) for laboratory analysis. The composite floor samples were collected at a depth of 4 feet bgs, and the sidewall samples were collected at a depth of 0-4 feet bgs. Additionally, one composite soil sample was collected from the backfill material at the Site prior to its use (Twin Wells Caliche Pit).

- The primary objective of the closure activities was to reduce COC concentrations in the on-Site soil to be in compliance with applicable NMOCD Closure Criteria for Soils Impacted by a Release using the New Mexico EMNRD OCD's NMAC 19.15.29 Releases as guidance.
- The final excavation area measured approximately 125 feet long by 60 feet wide at the maximum extents, with a depth of 4 feet bgs.
- Based on laboratory analytical results, the final composite soil samples collected from the excavation floor, sidewalls, and the backfill material did not exhibit benzene, total BTEX, TPH GRO/DRO, TPH GRO/DRO/MRO, or chloride concentrations above the applicable NMOCD Closure Criteria.
- Once the areas are brought back to their original grade, a BLM-approved seed mixture will be sown into the surface of the backfill for re-vegetation per the above-stated Reclamation Plan.

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

9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

9.1 Standard of Care

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

9.2 Limitations

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

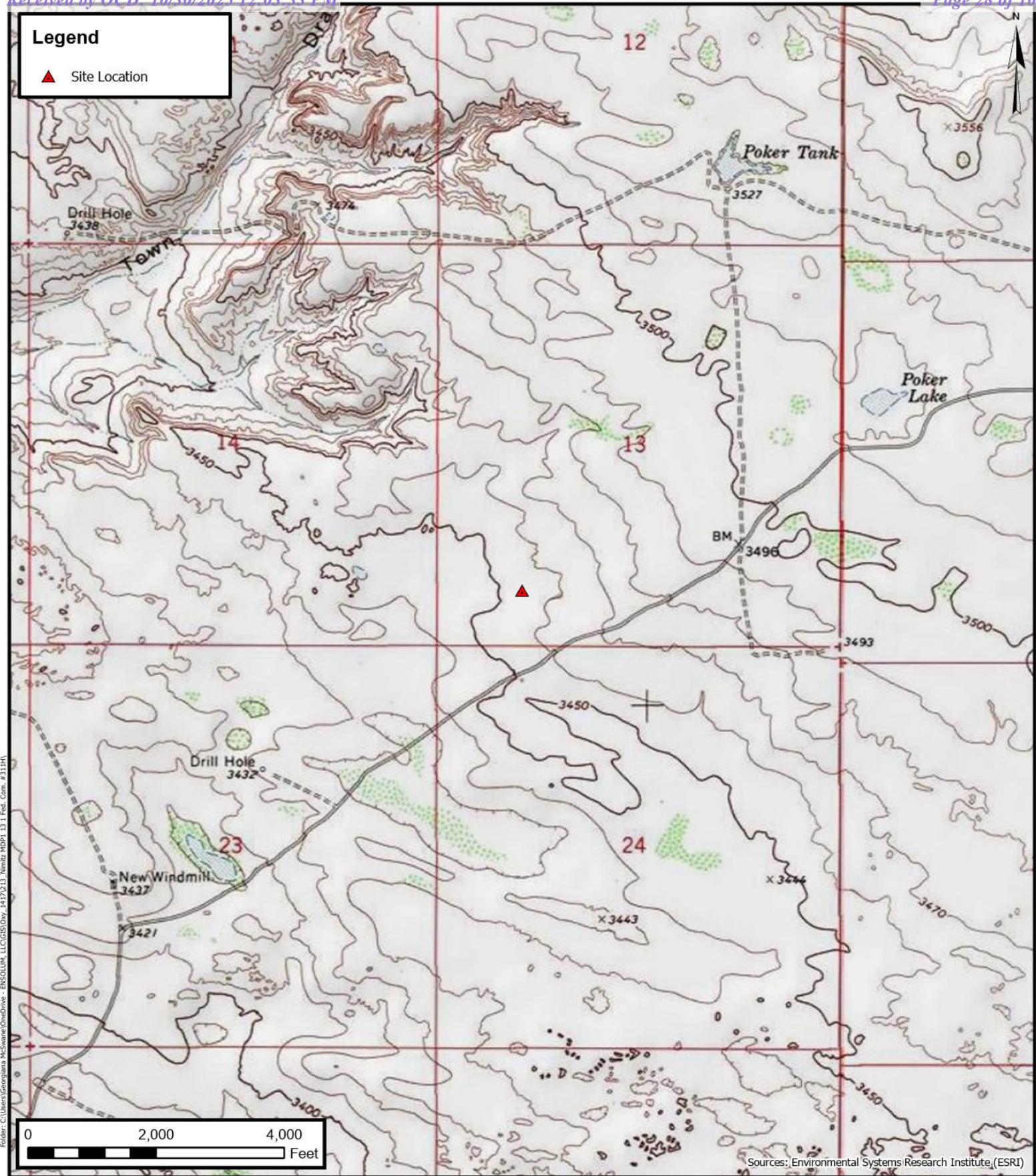
9.3 Reliance

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



APPENDIX A

Figures



Topographic Map
Oxy USA Inc.
NIMITZ MDP1 13 1 Fed. Com. #311H
32.212551° N, 103.839259° W
Eddy County, New Mexico

PROJECT NUMBER: 03B1417213

FIGURE
1

Legend Site Location

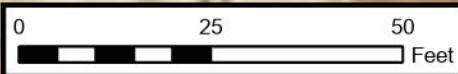
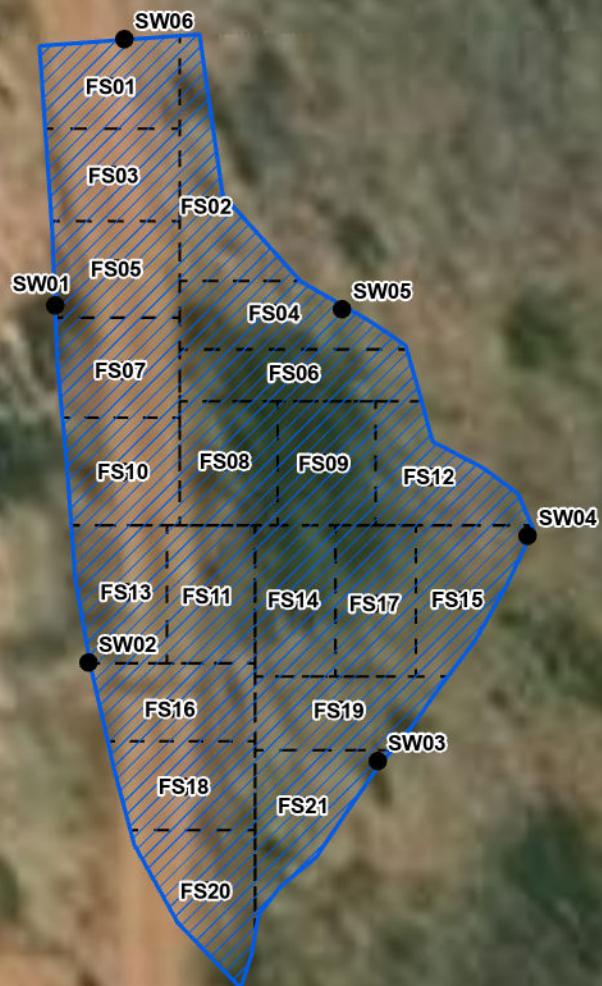
Site Vicinity Map
Oxy USA Inc.
NIMITZ MDP1 13 1 Fed. Com. #311H
32.212551° N, 103.839259° W
Eddy County, New Mexico

PROJECT NUMBER: 03B1417213

FIGURE
2

Legend

- Confirmation Soil Sample Location
- Excavation Extent
- Composite Soil Sample
- Grid Boundary



Sources: Environmental Systems Research Institute (ESRI)



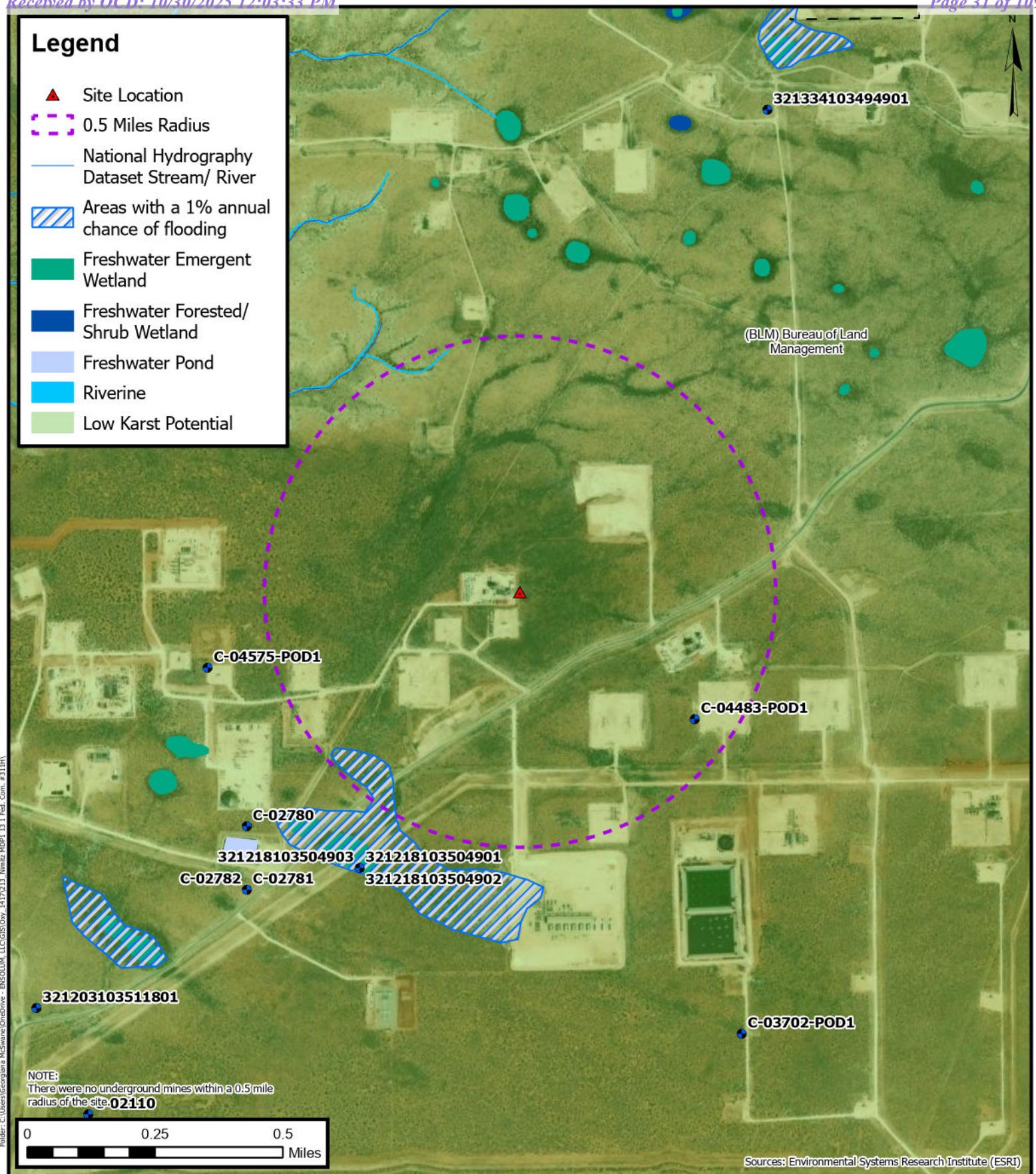
Site Map
Oxy USA Inc.
NIMITZ MDP1 13 1 Fed. Com. #311H
32.212551° N, 103.839259° W
Eddy County, New Mexico

PROJECT NUMBER: 03B1417213

FIGURE
3

Legend

- ▲ Site Location
- 0.5 Miles Radius
- National Hydrography Dataset Stream/ River
- Areas with a 1% annual chance of flooding
- Freshwater Emergent Wetland
- Freshwater Forested/ Shrub Wetland
- Freshwater Pond
- Riverine
- Low Karst Potential



Environmental, Engineering and
Hydrogeologic Consultants

Closure Criteria Map
Oxy USA Inc.
NIMITZ MDP1 13 1 Fed. Com. #311H
32.212551° N, 103.839259° W
Eddy County, New Mexico

PROJECT NUMBER: 03B1417213

FIGURE
4



APPENDIX B

Supporting Documentation



2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

4/26/2023

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Resubmitted Well Record C-4483 Pod1

To whom it may concern:

Attached please find a corrected well record and a plugging record, in duplicate, for a one (1) soil borings, C-4483 Pod1. The Longitude was corrected for both records.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton".

Lucas Middleton

Enclosures: as noted above

2025 RELEASE UNDER E.O. 14176



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

2025 RELEASE UNDER NMIA

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (BH-01)			WELL TAG ID NO. n/a	OSE FILE NO(S). C-4483			
	WELL OWNER NAME(S) XTO Energy (Kyle Littrell)			PHONE (OPTIONAL)				
	WELL OWNER MAILING ADDRESS 6401 Holiday Hill Dr.			CITY Midland	STATE TX	ZIP 79707		
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	32°	MINUTES 12'	SECONDS 31.77"	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LONGITUDE	104°	50'	0.72"	W	* DATUM REQUIRED: WGS 84	
	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW NW NE Sec. 24 T24S R30E							
	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 11/24/2020		DRILLING ENDED 11/24/2020	DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 110	DEPTH WATER FIRST ENCOUNTERED (FT) n/a		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:							
DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER – SPECIFY: Hollow Stem Auger								
DEPTH (feet bgl)		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	110	±8.5	Boring- HSA	—	—	—	—	
DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL			AMOUNT (cubic feet)	METHOD OF PLACEMENT	
FROM	TO							
FOR OSE INTERNAL USE				WR-20 WELL RECORD & LOG (Version 06/30/17)				
FILE NO.			POD NO.	TRN NO.				
LOCATION				WELL TAG ID NO.			PAGE 1 OF 2	

4. HYDROGEOLOGIC LOG OF WELL

5. TEST; RIG SUPERVISION

5. TEST; RIG SUPERVISION	<input type="checkbox"/> PUMP	<input type="checkbox"/> AIR LIFT	<input type="checkbox"/> BAKER	<input type="checkbox"/> OTHER SPECIF Y.	
	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.			
	MISCELLANEOUS INFORMATION:	Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from LTE on-site geologist.			
					100-3100-01-00000000000000000000000000000000
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:					
Shane Eldridge					

5. SIGNATURE

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:		
		Jackie D. Atkins	12/14/20
	SIGNATURE OF DRILLER / PRINT SIGHNEE NAME		DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2



PLUGGING RECORD

NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4483-POD1

Well owner: XTO ENERGY (Kyle Littrell) Phone No.: 432.682.8873

Mailing address: 6401 Holiday Hill Dr.

City: Midland State: Texas Zip code: 79707

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)
- 2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/21
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Elridge
- 4) Date well plugging began: 11/30/2020 Date well plugging concluded: 11/30/2020
- 5) GPS Well Location: Latitude: 32 deg, 12 min, 31.77 sec
Longitude: -104 deg, 50 min, 0.72 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 110 ft below ground level (bgl),
by the following manner: weighted tape
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 09/29/2020
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

2025 RELEASE UNDER NMIA

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
0-10'	Hydrated Bentonite	Approx. 26 gallons	26 gallons	Augers	
10'-110'	Drill Cuttings	Approx. 163 gallons	163 gallons	Boring	

III. SIGNATURE:

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins

12/14/2020

Signature of Well Driller

Date

Version: September 8, 2009
Page 2 of 2

2020-12-15_C-4483 POD1_OSE_Well Record and Log_plu13-forsign

Final Audit Report

2020-12-15

Created:	2020-12-15
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAARxff6o4VHy1EHZsp0Yo_uFsm-rYe4wj2

"2020-12-15_C-4483 POD1_OSE_Well Record and Log_plu13-forsign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2020-12-15 - 8:03:25 PM GMT- IP address: 69.21.248.123
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2020-12-15 - 8:03:56 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2020-12-15 - 8:27:59 PM GMT- IP address: 74.50.153.115
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2020-12-15 - 8:29:23 PM GMT - Time Source: server- IP address: 74.50.153.115
-  Agreement completed.
2020-12-15 - 8:29:23 PM GMT

2020-12-15 09:46:19 AM UTC



Kelly Lowery

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Friday, August 9, 2024 2:19 PM
To: Kelly Lowery
Cc: Dittrich, John W; Pierce, Tyson (Legacy Safety & Consulting LLC); Beaux Jennings
Subject: Re: [EXTERNAL] FW: DTW Variance Request - NIMITZ MDP1 13 1 Fed. Com. #311H (Incident ID: nAPP2420440081)

[**EXTERNAL EMAIL**]

Good day Kelly,

My apology for not responding in a timely manner.

Your variance request toward the depth to water determination is approved.

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

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: Kelly Lowery <klowery@ensolum.com>
Sent: Thursday, August 8, 2024 1:42 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Dittrich, John W <Wade_Dittrich@oxy.com>; Pierce, Tyson (Legacy Safety & Consulting LLC) <tyson_pierce@oxy.com>; Beaux Jennings <bjennings@ensolum.com>
Subject: [EXTERNAL] FW: DTW Variance Request - NIMITZ MDP1 13 1 Fed. Com. #311H (Incident ID: nAPP2420440081)

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

Good afternoon Nelson,

Shelly informed me that she had forwarded this DTW variance request below over to you and I wanted to check in on the status of it.

Thank you,



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

From: Kelly Lowery

Sent: Thursday, August 1, 2024 3:33 PM

To: 'Enviro, OCD, EMNRD' <OCD.Enviro@emnrd.nm.gov>

Cc: 'Dittrich, John W' <Wade_Dittrich@oxy.com>; 'Pierce, Tyson (Legacy Safety & Consulting LLC)' <tyson_pierce@oxy.com>; Beaux Jennings <bjennings@ensolum.com>

Subject: RE: DTW Variance Request - NIMITZ MDP1 13 1 Fed. Com. #311H (Incident ID: nAPP24200440081)

Good afternoon,

I wanted to inquire about the DTW Variance below for the NIMITZ MDP1 13 1 Fed. Com #311H (Incident ID: nAPP24200440081) that was sent on July 23, 2024.

Thank you,



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

From: Kelly Lowery

Sent: Tuesday, July 23, 2024 11:14 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Cc: Dittrich, John W <Wade_Dittrich@oxy.com>; Pierce, Tyson (Legacy Safety & Consulting LLC) <tyson_pierce@oxy.com>; Beaux Jennings <bjennings@ensolum.com>

Subject: DTW Variance Request - NIMITZ MDP1 13 1 Fed. Com. #311H (Incident ID: nAPP24200440081)

Good morning,

On behalf of Oxy USA Inc, Ensolum, LLC would like to request a Closure Criteria Variance for the NIMITZ MDP1 13 1 Fed. Com. #311H (Incident ID: nAPP24200440081).

NIMITZ MDP1 13 1 Fed. Com. #311H (Incident ID: nAPP24200440081)

- An equipment failure on a flow line resulted in the release of 7 barrels of produced water and 3 barrels of crude oil, with 0 barrels of produced water recovered and 0 barrels of crude oil recovered. The Site will be vertically and laterally delineated per NMAC 19.15.29.

Attached is groundwater research from the area surrounding the release. All nearby USGS and NMOSE wells indicate depth to groundwater greater than 105 feet bgs. The nearest borehole (C-04575-POD1) with depth to groundwater data is located 0.6 miles west of the release area and has a recorded total depth of the well at 105 feet bgs with no groundwater encountered from January 2022.

Due to the regional depth to groundwater being greater than 105 feet bgs and the site being in low potential karst area, Ensolum requests a Closure Criteria Variance to reflect groundwater > 100 feet as shown in Table 1 of 19.15.29.12 NMAC for all remediation in areas not reasonably needed for production or subsequent drilling operations (off-pad pasture areas) greater than 4 feet bgs.

Please let me know if you have any questions,



Kelly Lowery, GIT

Project Geologist

214-733-3165

Ensolum, LLC

in f



WELL RECORD & LOG
OFFICE OF THE STATE ENGINEER
www.ose.state.nm.us

0SE Q1 JAN 24 2022 PM3:00

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	C-4575	POD NO.	1	TRN NO.	709414
LOCATION	2-1-1	245-3DE-23		WELL TAG ID NO.	—
			PAGE 1 OF 2		

Released to Imaging: 12/30/2025 9:46:19 AM

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. C-4573

POD NO.

TRN NO.

709414

LOCATION 7-1-

24S-30E-23

WELL TAG ID NO.

PAGE 2 OF 2

MON

OSE_Well Record and Log_-forsign

Final Audit Report

2022-01-22

Created: 2022-01-21
By: Lucas Middleton (lucas@atkinseng.com)
Status: Signed
Transaction ID: CBJCHBCAABAAHFW29aZiQH1D931B0LxyAz3o1wYi88ri

"OSE_Well Record and Log_-forsign" History

- Document created by Lucas Middleton (lucas@atkinseng.com)
2022-01-21 - 10:47:34 PM GMT- IP address: 69.21.248.123
- Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2022-01-21 - 10:48:19 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com)
2022-01-21 - 10:49:13 PM GMT- IP address: 64.90.153.232
- Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2022-01-22 - 0:16:23 AM GMT - Time Source: server- IP address: 64.90.153.232
- Agreement completed.
2022-01-22 - 0:16:23 AM GMT

OSE DTJ JAN 24 2022 PM3:00





New Mexico Office of the State Engineer

Water Right Summary


[get image list](#)
WR File Number: C 04575 **Subbasin:** CUB **Cross Reference:** -

Primary Purpose: MON MONITORING WELL

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Agent: XTO ENERGY INC

Contact: ADRIAN BAKER

User: WSP USA

Contact: KALEI JENNINGS

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/		Acres	Diversion	Consumptive
			1	2		To				
 get images	709414_EXPL	2021-10-06	PMT	LOG	C 04575 POD1	T		0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q				X	Y	Other Location Desc
			64	Q16	Q4	Sec			
C 04575 POD1	NA		1	1	2	23	24S	30E	608412 3564355  BH01

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.

5/30/24 5:21 PM

WATER RIGHT SUMMARY

PECOS DISTRICT
SEED MIX FOR

The following Soils or Soil associations may represent this ecological site:
 Bascal Gravelly Loam, Bascom,
 Philder Very Gravelly Fine Sandy Loam
 Yturbide Loamy Sand

Gravelly SD-3 Ecological Site
 Gravelly CP-2 Ecological Site

April 4, 2006

<u>Common Name and Preferred Variety</u>	<u>Scientific Name</u>	<u>Pounds of Pure Live Seed Per Acre</u>
Blue grama	(<i>Bouteloua gracilis</i>)	1.50
Sideoats grama,	(<i>Bouteloua curtipendula</i>)	1.50
Sand dropseed	(<i>Sporobolus cryptandrus</i>)	0.50
Plains bristlegrass	(<i>Setaria macrostachya</i>)	2.50
Vine mesquite	(<i>Panicum obtusum</i>)	1.50
Desert or Scarlet Globemallow	(<i>Sphaeralcea ambigua</i>) or (<i>S. coccinea</i>)	1.00
Croton or Desert zinnia	(<i>Croton spp.</i>) or (<i>Zinnia grandiflora</i>)	<u>0.50</u>
TOTAL POUNDS PURE LIVE SEED (pls) PER ACRE		9.00
Certified Weed Free Seed		

If on species is not available,
 increase **ALL** others proportionately.
NOT JUST ONE SPECIES!
 Use at least 4 species, including 1 forb

No less than 9.0 pounds pls per acre shall be applied

APPROVED: /s/ Douglas J. Burger
 District Manager, Pecos District



APPENDIX C

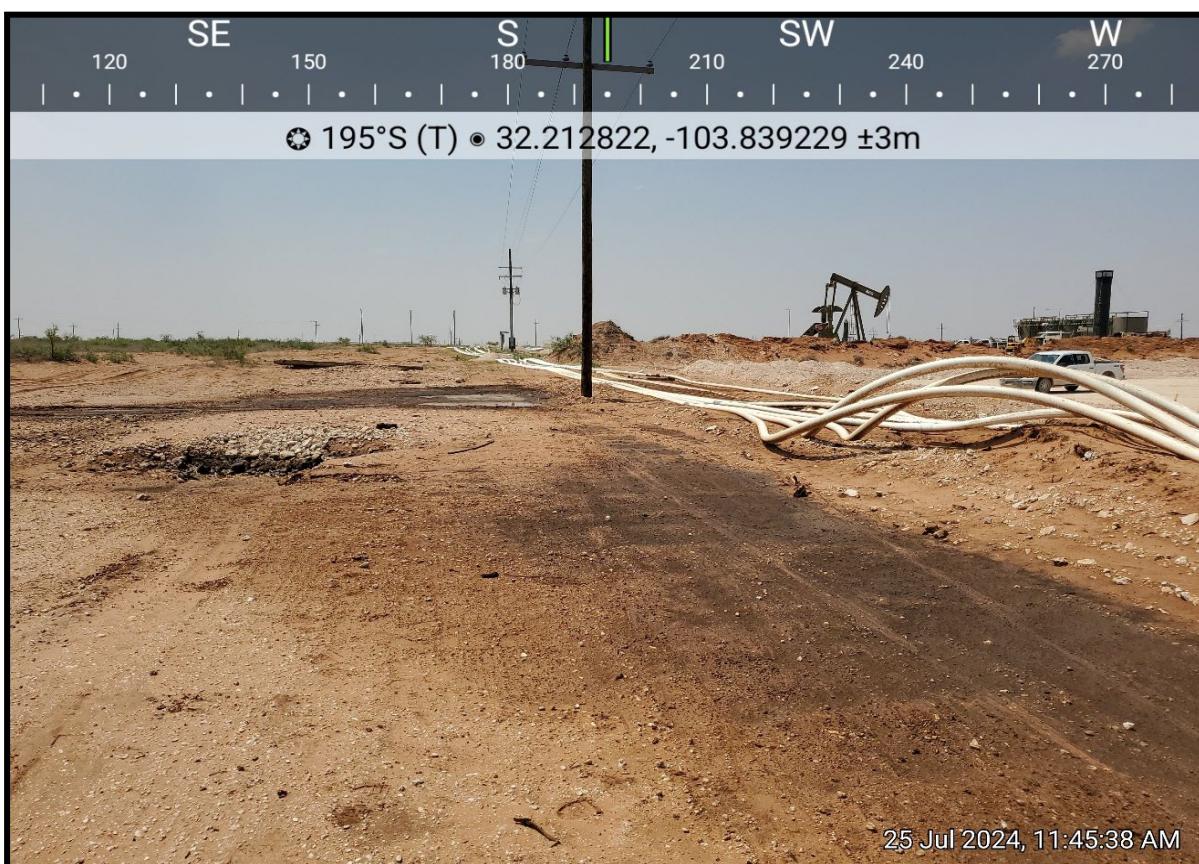
Photographic Documentation

Project: NIMITZ MDP1 13 1 Fed Com #311H

Entity: Oxy USA, Inc

Incident ID: nAPP2420440081

E N S O L U M



View of release extent prior to remediation activities, facing south (July 25, 2024).



View of release extent prior to remediation activities, facing northwest (July 25, 2024).

Project: NIMITZ MDP1 13 1 Fed Com #311H
Entity: Oxy USA, Inc
Incident ID: nAPP2420440081

ENSOLUM



View of excavation during remediation activities, facing southeast (September 17, 2024).



View of excavation during remediation activities, facing west (September 17, 2024).

Project: NIMITZ MDP1 13 1 Fed Com #311H

Entity: Oxy USA, Inc

Incident ID: nAPP2420440081

Date & Time: Thu, Oct 03, 2024 at 10:18:46 MDT
Position: 032.212771°N / 103.839247°W (±6.6ft)
Altitude: 3449ft (±9.8ft)
Datum: WGS-84
Azimuth/Bearing: 167° S13E 2969mils True (±11°)
Elevation Angle: -04.8°
Horizon Angle: -00.2°
Zoom: 1.0X



View of excavation during continued remediation activities, facing southeast (October 3, 2024).

Date & Time: Thu, Oct 03, 2024 at 10:18:20 MDT
Position: 032.212725°N / 103.839163°W (±6.6ft)
Altitude: 3453ft (±9.8ft)
Datum: WGS-84
Azimuth/Bearing: 304° N56W 5404mils True (±11°)
Elevation Angle: -11.5°
Horizon Angle: +03.5°
Zoom: 1.0X



View of excavation during continued remediation activities, facing northwest (October 3, 2024).

Project: NIMITZ MDP1 13 1 Fed Com #311H

Entity: Oxy USA, Inc

Incident ID: nAPP2420440081



View of excavation extent post backfill activities, facing north (January 3, 2025).



View of excavation extent post backfill activities, facing south (January 3, 2025).



APPENDIX D

Table(s)

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS (NON-VEGETATIVE ZONE)
NIMITZ MDP1 13 1 Federal Com. #311H
Oxy USA, Inc.
Eddy County, New Mexico
Ensolum Project No. 03B1417213

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH (GRO+DRO) (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (> 100 feet)		10	NE	NE	NE	50	1,000	NE	2,500	20,000	
Composite Floor Soil Sample Analytical Results											
FS01	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	21.0	<10.0	21.0	448
FS02	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	64.0
FS03	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	15.1	<10.0	15.1	320
FS04	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	48.0
FS05	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	80.2	15.9	96.1	512
FS06	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	160
FS07	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	31.8	<10.0	31.8	5,730
FS08	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	400
FS09	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	403	148	551	336
FS10	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	77.8	20.7	98.5	4,240
FS11	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	64.0
FS12	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	133	34.8	168	704
FS13	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	11.8	<10.0	11.8	1,170
FS14	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	128
FS15	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	478	128	606	3,600
FS16	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	49.0	<10.0	49.0	2,800
FS17	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	128
FS18	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	269	73.3	342	6,960
FS19	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	144
FS20	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	151	35.9	187	3,840
FS21	09/17/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	18.7	<10.0	18.7	1,060

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS (VEGETATIVE ZONE)
NIMITZ MDP1 13 1 Federal Com. #311H
Oxy USA, Inc.
Eddy County, New Mexico
Ensolum Project No. 03B1417213

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)		10	NE	NE	NE	50	NE	NE	NE	NE	100	600
Composite Sidewall Soil Sample Analytical Results												
SW01	09/17/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.0	<10.0	13.0	960
	10/03/2024	0 - 4				NS				NS		80.0
SW02	09/17/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	763	209	972	1,360
	10/03/2024	0 - 4				NS		<10.0	<10.0	<10.0	<10.0	176
SW03	09/17/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
SW04	09/17/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
SW05	09/17/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
SW06	09/17/2024	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0

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

 Additional Excavation and/or Re-Sample

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

NS: Not Sampled

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



TABLE 3
BACKFILL SOIL SAMPLE ANALYTICAL RESULTS

Twin Wells Caliche Pit
 Oxy USA, Inc.
 Eddy County, New Mexico
 Ensolum Project No. NA

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)		10	NE	NE	NE	50	NE	NE	NE	NE	100	600
Composite Background Soil Sample Analytical Result												
Twin Wells Caliche Pit	09/09/2024	NA	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0

bgs: below ground surface

mg/kg: milligrams per kilogram

NA: Not Applicable

NE: Not Established

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation



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

September 24, 2024

BEAUX JENNINGS
ENSOLUM
3122 NATIONAL PARKS HWY
CARLSBAD, NM 88220

RE: NIMITZ MDP 13 1 FED COM # 311H

Enclosed are the results of analyses for samples received by the laboratory on 09/19/24 13:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	09/19/2024	Sampling Date:	09/17/2024
Reported:	09/24/2024	Sampling Type:	Soil
Project Name:	NIMITZ MDP 13 1 FED COM # 311H	Sampling Condition:	Cool & Intact
Project Number:	03B1417213	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY CO,NM		

Sample ID: FS 01 4 (H245703-01)

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	09/20/2024	ND	2.27	113	2.00	0.0930		
Toluene*	<0.050	0.050	09/20/2024	ND	2.31	116	2.00	2.12		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.32	116	2.00	3.70		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.05	118	6.00	3.00		
Total BTEX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	448	16.0	09/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2024	ND	208	104	200	1.24		
DRO >C10-C28*	21.0	10.0	09/20/2024	ND	205	103	200	0.0439		
EXT DRO >C28-C36	<10.0	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	09/19/2024	Sampling Date:	09/17/2024
Reported:	09/24/2024	Sampling Type:	Soil
Project Name:	NIMITZ MDP 13 1 FED COM # 311H	Sampling Condition:	Cool & Intact
Project Number:	03B1417213	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY CO,NM		

Sample ID: FS 02 4 (H245703-02)

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	09/20/2024	ND	2.27	113	2.00	0.0930		
Toluene*	<0.050	0.050	09/20/2024	ND	2.31	116	2.00	2.12		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.32	116	2.00	3.70		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.05	118	6.00	3.00		
Total BTEX	<0.300	0.300	09/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2024	ND	208	104	200	1.24		
DRO >C10-C28*	<10.0	10.0	09/20/2024	ND	205	103	200	0.0439		
EXT DRO >C28-C36	<10.0	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	09/19/2024	Sampling Date:	09/17/2024
Reported:	09/24/2024	Sampling Type:	Soil
Project Name:	NIMITZ MDP 13 1 FED COM # 311H	Sampling Condition:	Cool & Intact
Project Number:	03B1417213	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY CO,NM		

Sample ID: FS 03 4 (H245703-03)

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	09/20/2024	ND	2.27	113	2.00	0.0930		
Toluene*	<0.050	0.050	09/20/2024	ND	2.31	116	2.00	2.12		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.32	116	2.00	3.70		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.05	118	6.00	3.00		
Total BTEX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	09/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2024	ND	208	104	200	1.24		
DRO >C10-C28*	15.1	10.0	09/20/2024	ND	205	103	200	0.0439		
EXT DRO >C28-C36	<10.0	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	09/19/2024	Sampling Date:	09/17/2024
Reported:	09/24/2024	Sampling Type:	Soil
Project Name:	NIMITZ MDP 13 1 FED COM # 311H	Sampling Condition:	Cool & Intact
Project Number:	03B1417213	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY CO,NM		

Sample ID: FS 04 4 (H245703-04)

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	09/20/2024	ND	2.27	113	2.00	0.0930		
Toluene*	<0.050	0.050	09/20/2024	ND	2.31	116	2.00	2.12		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.32	116	2.00	3.70		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.05	118	6.00	3.00		
Total BTEX	<0.300	0.300	09/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2024	ND	208	104	200	1.24		
DRO >C10-C28*	<10.0	10.0	09/20/2024	ND	205	103	200	0.0439		
EXT DRO >C28-C36	<10.0	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	09/19/2024	Sampling Date:	09/17/2024
Reported:	09/24/2024	Sampling Type:	Soil
Project Name:	NIMITZ MDP 13 1 FED COM # 311H	Sampling Condition:	Cool & Intact
Project Number:	03B1417213	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY CO,NM		

Sample ID: FS 05 4 (H245703-05)

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	09/20/2024	ND	2.27	113	2.00	0.0930		
Toluene*	<0.050	0.050	09/20/2024	ND	2.31	116	2.00	2.12		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.32	116	2.00	3.70		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.05	118	6.00	3.00		
Total BTEX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	09/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2024	ND	205	102	200	3.84		
DRO >C10-C28*	80.2	10.0	09/20/2024	ND	200	100	200	6.58		
EXT DRO >C28-C36	15.9	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 09/19/2024 Sampling Date: 09/17/2024
 Reported: 09/24/2024 Sampling Type: Soil
 Project Name: NIMITZ MDP 13 1 FED COM # 311H Sampling Condition: Cool & Intact
 Project Number: 03B1417213 Sample Received By: Tamara Oldaker
 Project Location: OXY -EDDY CO,NM

Sample ID: FS 06 4 (H245703-06)

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	09/20/2024	ND	2.06	103	2.00	1.32		
Toluene*	<0.050	0.050	09/20/2024	ND	1.95	97.3	2.00	1.04		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	1.98	99.2	2.00	0.794		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	5.89	98.1	6.00	0.880		
Total BTEX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 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	160	16.0	09/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2024	ND	205	102	200	3.84		
DRO >C10-C28*	<10.0	10.0	09/20/2024	ND	200	100	200	6.58		
EXT DRO >C28-C36	<10.0	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	09/19/2024	Sampling Date:	09/17/2024
Reported:	09/24/2024	Sampling Type:	Soil
Project Name:	NIMITZ MDP 13 1 FED COM # 311H	Sampling Condition:	Cool & Intact
Project Number:	03B1417213	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY CO,NM		

Sample ID: FS 07 4 (H245703-07)

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	09/20/2024	ND	2.06	103	2.00	1.32		
Toluene*	<0.050	0.050	09/20/2024	ND	1.95	97.3	2.00	1.04		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	1.98	99.2	2.00	0.794		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	5.89	98.1	6.00	0.880		
Total BTEX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5730	16.0	09/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2024	ND	205	102	200	3.84		
DRO >C10-C28*	31.8	10.0	09/20/2024	ND	200	100	200	6.58		
EXT DRO >C28-C36	<10.0	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 09/19/2024 Sampling Date: 09/17/2024
 Reported: 09/24/2024 Sampling Type: Soil
 Project Name: NIMITZ MDP 13 1 FED COM # 311H Sampling Condition: Cool & Intact
 Project Number: 03B1417213 Sample Received By: Tamara Oldaker
 Project Location: OXY -EDDY CO,NM

Sample ID: FS 08 4 (H245703-08)

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	09/20/2024	ND	2.06	103	2.00	1.32		
Toluene*	<0.050	0.050	09/20/2024	ND	1.95	97.3	2.00	1.04		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	1.98	99.2	2.00	0.794		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	5.89	98.1	6.00	0.880		
Total BTEX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	09/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2024	ND	205	102	200	3.84		
DRO >C10-C28*	<10.0	10.0	09/20/2024	ND	200	100	200	6.58		
EXT DRO >C28-C36	<10.0	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 09/19/2024 Sampling Date: 09/17/2024
 Reported: 09/24/2024 Sampling Type: Soil
 Project Name: NIMITZ MDP 13 1 FED COM # 311H Sampling Condition: Cool & Intact
 Project Number: 03B1417213 Sample Received By: Tamara Oldaker
 Project Location: OXY -EDDY CO,NM

Sample ID: FS 09 4 (H245703-09)

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	09/20/2024	ND	2.06	103	2.00	1.32		
Toluene*	<0.050	0.050	09/20/2024	ND	1.95	97.3	2.00	1.04		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	1.98	99.2	2.00	0.794		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	5.89	98.1	6.00	0.880		
Total BTEX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	09/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2024	ND	205	102	200	3.84		
DRO >C10-C28*	403	10.0	09/20/2024	ND	200	100	200	6.58		
EXT DRO >C28-C36	148	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 09/19/2024 Sampling Date: 09/17/2024
 Reported: 09/24/2024 Sampling Type: Soil
 Project Name: NIMITZ MDP 13 1 FED COM # 311H Sampling Condition: Cool & Intact
 Project Number: 03B1417213 Sample Received By: Tamara Oldaker
 Project Location: OXY -EDDY CO,NM

Sample ID: FS 10 4 (H245703-10)

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	09/20/2024	ND	2.06	103	2.00	1.32		
Toluene*	<0.050	0.050	09/20/2024	ND	1.95	97.3	2.00	1.04		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	1.98	99.2	2.00	0.794		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	5.89	98.1	6.00	0.880		
Total BTEX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 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	4240	16.0	09/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2024	ND	205	102	200	3.84		
DRO >C10-C28*	77.8	10.0	09/20/2024	ND	200	100	200	6.58		
EXT DRO >C28-C36	20.7	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 09/19/2024 Sampling Date: 09/17/2024
 Reported: 09/24/2024 Sampling Type: Soil
 Project Name: NIMITZ MDP 13 1 FED COM # 311H Sampling Condition: Cool & Intact
 Project Number: 03B1417213 Sample Received By: Tamara Oldaker
 Project Location: OXY -EDDY CO,NM

Sample ID: FS 11 4 (H245703-11)

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	09/20/2024	ND	2.06	103	2.00	1.32		
Toluene*	<0.050	0.050	09/20/2024	ND	1.95	97.3	2.00	1.04		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	1.98	99.2	2.00	0.794		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	5.89	98.1	6.00	0.880		
Total BTEX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2024	ND	205	102	200	3.84		
DRO >C10-C28*	<10.0	10.0	09/20/2024	ND	200	100	200	6.58		
EXT DRO >C28-C36	<10.0	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 09/19/2024 Sampling Date: 09/17/2024
 Reported: 09/24/2024 Sampling Type: Soil
 Project Name: NIMITZ MDP 13 1 FED COM # 311H Sampling Condition: Cool & Intact
 Project Number: 03B1417213 Sample Received By: Tamara Oldaker
 Project Location: OXY -EDDY CO,NM

Sample ID: FS 12 4 (H245703-12)

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	09/20/2024	ND	2.06	103	2.00	1.32		
Toluene*	<0.050	0.050	09/20/2024	ND	1.95	97.3	2.00	1.04		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	1.98	99.2	2.00	0.794		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	5.89	98.1	6.00	0.880		
Total BTEX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 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	704	16.0	09/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2024	ND	205	102	200	3.84		
DRO >C10-C28*	133	10.0	09/20/2024	ND	200	100	200	6.58		
EXT DRO >C28-C36	34.8	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	09/19/2024	Sampling Date:	09/17/2024
Reported:	09/24/2024	Sampling Type:	Soil
Project Name:	NIMITZ MDP 13 1 FED COM # 311H	Sampling Condition:	Cool & Intact
Project Number:	03B1417213	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY CO,NM		

Sample ID: FS 13 4 (H245703-13)

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	09/20/2024	ND	2.06	103	2.00	1.32		
Toluene*	<0.050	0.050	09/20/2024	ND	1.95	97.3	2.00	1.04		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	1.98	99.2	2.00	0.794		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	5.89	98.1	6.00	0.880		
Total BTEX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 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	1170	16.0	09/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2024	ND	205	102	200	3.84		
DRO >C10-C28*	11.8	10.0	09/20/2024	ND	200	100	200	6.58		
EXT DRO >C28-C36	<10.0	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 09/19/2024 Sampling Date: 09/17/2024
 Reported: 09/24/2024 Sampling Type: Soil
 Project Name: NIMITZ MDP 13 1 FED COM # 311H Sampling Condition: Cool & Intact
 Project Number: 03B1417213 Sample Received By: Tamara Oldaker
 Project Location: OXY -EDDY CO,NM

Sample ID: FS 14 4 (H245703-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.06	103	2.00	1.32		
Toluene*	<0.050	0.050	09/20/2024	ND	1.95	97.3	2.00	1.04		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	1.98	99.2	2.00	0.794		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	5.89	98.1	6.00	0.880		
Total BTEX	<0.300	0.300	09/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	09/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2024	ND	205	102	200	3.84		
DRO >C10-C28*	<10.0	10.0	09/20/2024	ND	200	100	200	6.58		
EXT DRO >C28-C36	<10.0	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	09/19/2024	Sampling Date:	09/17/2024
Reported:	09/24/2024	Sampling Type:	Soil
Project Name:	NIMITZ MDP 13 1 FED COM # 311H	Sampling Condition:	Cool & Intact
Project Number:	03B1417213	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY CO,NM		

Sample ID: FS 15 4 (H245703-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.06	103	2.00	1.32		
Toluene*	<0.050	0.050	09/20/2024	ND	1.95	97.3	2.00	1.04		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	1.98	99.2	2.00	0.794		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	5.89	98.1	6.00	0.880		
Total BTEX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 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	3600	16.0	09/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2024	ND	205	102	200	3.84		
DRO >C10-C28*	478	10.0	09/20/2024	ND	200	100	200	6.58		
EXT DRO >C28-C36	128	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 09/19/2024 Sampling Date: 09/17/2024
 Reported: 09/24/2024 Sampling Type: Soil
 Project Name: NIMITZ MDP 13 1 FED COM # 311H Sampling Condition: Cool & Intact
 Project Number: 03B1417213 Sample Received By: Tamara Oldaker
 Project Location: OXY -EDDY CO,NM

Sample ID: FS 16 4 (H245703-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.06	103	2.00	1.32		
Toluene*	<0.050	0.050	09/20/2024	ND	1.95	97.3	2.00	1.04		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	1.98	99.2	2.00	0.794		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	5.89	98.1	6.00	0.880		
Total BTEX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 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	2800	16.0	09/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2024	ND	205	102	200	3.84		
DRO >C10-C28*	49.0	10.0	09/20/2024	ND	200	100	200	6.58		
EXT DRO >C28-C36	<10.0	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 09/19/2024 Sampling Date: 09/17/2024
 Reported: 09/24/2024 Sampling Type: Soil
 Project Name: NIMITZ MDP 13 1 FED COM # 311H Sampling Condition: Cool & Intact
 Project Number: 03B1417213 Sample Received By: Tamara Oldaker
 Project Location: OXY -EDDY CO,NM

Sample ID: FS 17 4 (H245703-17)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.06	103	2.00	1.32		
Toluene*	<0.050	0.050	09/20/2024	ND	1.95	97.3	2.00	1.04		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	1.98	99.2	2.00	0.794		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	5.89	98.1	6.00	0.880		
Total BTEX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 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	128	16.0	09/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2024	ND	205	102	200	3.84		
DRO >C10-C28*	<10.0	10.0	09/20/2024	ND	200	100	200	6.58		
EXT DRO >C28-C36	<10.0	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	09/19/2024	Sampling Date:	09/17/2024
Reported:	09/24/2024	Sampling Type:	Soil
Project Name:	NIMITZ MDP 13 1 FED COM # 311H	Sampling Condition:	Cool & Intact
Project Number:	03B1417213	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY CO,NM		

Sample ID: FS 18 4 (H245703-18)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.06	103	2.00	1.32		
Toluene*	<0.050	0.050	09/20/2024	ND	1.95	97.3	2.00	1.04		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	1.98	99.2	2.00	0.794		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	5.89	98.1	6.00	0.880		
Total BTEX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 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	6960	16.0	09/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2024	ND	205	102	200	3.84		
DRO >C10-C28*	269	10.0	09/20/2024	ND	200	100	200	6.58		
EXT DRO >C28-C36	73.3	10.0	09/20/2024	ND					S-04	

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 157 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 09/19/2024 Sampling Date: 09/17/2024
 Reported: 09/24/2024 Sampling Type: Soil
 Project Name: NIMITZ MDP 13 1 FED COM # 311H Sampling Condition: Cool & Intact
 Project Number: 03B1417213 Sample Received By: Tamara Oldaker
 Project Location: OXY -EDDY CO,NM

Sample ID: FS 19 4 (H245703-19)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.06	103	2.00	1.32		
Toluene*	<0.050	0.050	09/20/2024	ND	1.95	97.3	2.00	1.04		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	1.98	99.2	2.00	0.794		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	5.89	98.1	6.00	0.880		
Total BTEX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	09/20/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2024	ND	205	102	200	3.84		
DRO >C10-C28*	<10.0	10.0	09/20/2024	ND	200	100	200	6.58		
EXT DRO >C28-C36	<10.0	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	09/19/2024	Sampling Date:	09/17/2024
Reported:	09/24/2024	Sampling Type:	Soil
Project Name:	NIMITZ MDP 13 1 FED COM # 311H	Sampling Condition:	Cool & Intact
Project Number:	03B1417213	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY CO,NM		

Sample ID: FS 20 4 (H245703-20)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.29	115	2.00	2.22		
Toluene*	<0.050	0.050	09/20/2024	ND	2.43	121	2.00	4.15		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.61	130	2.00	4.19		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.85	131	6.00	4.09		
Total BTEX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3840	16.0	09/20/2024	ND	432	108	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2024	ND	205	102	200	3.84		
DRO >C10-C28*	151	10.0	09/20/2024	ND	200	100	200	6.58		
EXT DRO >C28-C36	35.9	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 09/19/2024 Sampling Date: 09/17/2024
 Reported: 09/24/2024 Sampling Type: Soil
 Project Name: NIMITZ MDP 13 1 FED COM # 311H Sampling Condition: Cool & Intact
 Project Number: 03B1417213 Sample Received By: Tamara Oldaker
 Project Location: OXY -EDDY CO,NM

Sample ID: SW 01 0-4 (H245703-21)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.29	115	2.00	2.22		
Toluene*	<0.050	0.050	09/20/2024	ND	2.43	121	2.00	4.15		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.61	130	2.00	4.19		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.85	131	6.00	4.09		
Total BTEX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	09/20/2024	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	09/20/2024	ND	205	102	200	3.84		
DRO >C10-C28*	13.0	10.0	09/20/2024	ND	200	100	200	6.58		
EXT DRO >C28-C36	<10.0	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 09/19/2024 Sampling Date: 09/17/2024
 Reported: 09/24/2024 Sampling Type: Soil
 Project Name: NIMITZ MDP 13 1 FED COM # 311H Sampling Condition: Cool & Intact
 Project Number: 03B1417213 Sample Received By: Tamara Oldaker
 Project Location: OXY -EDDY CO,NM

Sample ID: SW 02 0-4 (H245703-22)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.29	115	2.00	2.22		
Toluene*	<0.050	0.050	09/20/2024	ND	2.43	121	2.00	4.15		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.61	130	2.00	4.19		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.85	131	6.00	4.09		
Total BTEX	<0.300	0.300	09/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	09/20/2024	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	09/20/2024	ND	205	102	200	3.84		
DRO >C10-C28*	763	10.0	09/20/2024	ND	200	100	200	6.58		
EXT DRO >C28-C36	209	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 09/19/2024 Sampling Date: 09/17/2024
 Reported: 09/24/2024 Sampling Type: Soil
 Project Name: NIMITZ MDP 13 1 FED COM # 311H Sampling Condition: Cool & Intact
 Project Number: 03B1417213 Sample Received By: Tamara Oldaker
 Project Location: OXY -EDDY CO,NM

Sample ID: SW 03 0-4 (H245703-23)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.29	115	2.00	2.22		
Toluene*	<0.050	0.050	09/20/2024	ND	2.43	121	2.00	4.15		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.61	130	2.00	4.19		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.85	131	6.00	4.09		
Total BTEX	<0.300	0.300	09/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/20/2024	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	09/20/2024	ND	205	102	200	3.84		
DRO >C10-C28*	<10.0	10.0	09/20/2024	ND	200	100	200	6.58		
EXT DRO >C28-C36	<10.0	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	09/19/2024	Sampling Date:	09/17/2024
Reported:	09/24/2024	Sampling Type:	Soil
Project Name:	NIMITZ MDP 13 1 FED COM # 311H	Sampling Condition:	Cool & Intact
Project Number:	03B1417213	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY CO,NM		

Sample ID: SW 04 0-4 (H245703-24)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.29	115	2.00	2.22		
Toluene*	<0.050	0.050	09/20/2024	ND	2.43	121	2.00	4.15		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.61	130	2.00	4.19		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.85	131	6.00	4.09		
Total BTEX	<0.300	0.300	09/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/20/2024	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	09/20/2024	ND	205	102	200	3.84		
DRO >C10-C28*	<10.0	10.0	09/20/2024	ND	200	100	200	6.58		
EXT DRO >C28-C36	<10.0	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received: 09/19/2024 Sampling Date: 09/17/2024
 Reported: 09/24/2024 Sampling Type: Soil
 Project Name: NIMITZ MDP 13 1 FED COM # 311H Sampling Condition: Cool & Intact
 Project Number: 03B1417213 Sample Received By: Tamara Oldaker
 Project Location: OXY -EDDY CO,NM

Sample ID: SW 05 0-4 (H245703-25)

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	09/20/2024	ND	2.29	115	2.00	2.22		
Toluene*	<0.050	0.050	09/20/2024	ND	2.43	121	2.00	4.15		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.61	130	2.00	4.19		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.85	131	6.00	4.09		
Total BTEX	<0.300	0.300	09/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	09/20/2024	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	09/20/2024	ND	190	95.1	200	1.99		
DRO >C10-C28*	<10.0	10.0	09/20/2024	ND	188	94.0	200	1.72		
EXT DRO >C28-C36	<10.0	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	09/19/2024	Sampling Date:	09/17/2024
Reported:	09/24/2024	Sampling Type:	Soil
Project Name:	NIMITZ MDP 13 1 FED COM # 311H	Sampling Condition:	Cool & Intact
Project Number:	03B1417213	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY CO,NM		

Sample ID: SW 06 0-4 (H245703-26)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.29	115	2.00	2.22		
Toluene*	<0.050	0.050	09/20/2024	ND	2.43	121	2.00	4.15		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.61	130	2.00	4.19		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.85	131	6.00	4.09		
Total BTEX	<0.300	0.300	09/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/20/2024	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	09/20/2024	ND	190	95.1	200	1.99		
DRO >C10-C28*	<10.0	10.0	09/20/2024	ND	188	94.0	200	1.72		
EXT DRO >C28-C36	<10.0	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 BEAUX JENNINGS
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	09/19/2024	Sampling Date:	09/17/2024
Reported:	09/24/2024	Sampling Type:	Soil
Project Name:	NIMITZ MDP 13 1 FED COM # 311H	Sampling Condition:	Cool & Intact
Project Number:	03B1417213	Sample Received By:	Tamara Oldaker
Project Location:	OXY -EDDY CO,NM		

Sample ID: FS 21 4 (H245703-27)

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	09/20/2024	ND	2.29	115	2.00	2.22		
Toluene*	<0.050	0.050	09/20/2024	ND	2.43	121	2.00	4.15		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.61	130	2.00	4.19		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.85	131	6.00	4.09		
Total BTEX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1060	16.0	09/20/2024	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	09/20/2024	ND	190	95.1	200	1.99		
DRO >C10-C28*	18.7	10.0	09/20/2024	ND	188	94.0	200	1.72		
EXT DRO >C28-C36	<10.0	10.0	09/20/2024	ND						

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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

BS1 Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.

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

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

A handwritten signature in black ink that reads "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

13

Company Name: Ensolum, LLC				BILL TO		ANALYSIS REQUEST															
Project Manager: Beaux Jennings Address: 601 N. Marienfeld St. STE 400 City: Midland State: TX Zip: 79701 Phone #: (210)219-8858 Email:bjennings@ensolum.com Project #: 031417213 Project Owner: Project Name: NMITE NDP 131 Fed COM Project Location: #311H1 Sampler Name: Kaoru Shimada				P.O. #: Company: OXY USA Attn: Wade Dittrich Address: City: State: Zip: Phone #: Email:																	
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING													
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	BTEX 8021B	TPH 8015M	Chloride 4500	Hold		
H245703	FS01	4	1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1	FS02	7	1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	FS03	7	1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	FS04	7	1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	FS05	7	1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	FS06	7	1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	FS07	7	1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	FS08	7	1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	FS09	7	1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	FS10	7	1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	FS10	4	1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based on 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:	Received By:	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:	
Kaoru Shimada	Jawera Aldebari	All Results are emailed. Please provide Email address: bjennings@ensolum.com, klowery@ensolum.com	
Relinquished By:	Received By:	REMARKS: Paykey/AFE/NonAFE: All samples are composite	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C Corrected Temp. °C	CHECKED BY: (Initials)	Turnaround Time: Standard <input checked="" type="checkbox"/> Bacteria (only) Sample Condition Rush <input type="checkbox"/> Cool Intact Observed Temp. °C Thermometer ID #440 #140 Correction Factor -0.6 °C
FORM-006 R 3.2 10/07/21		□ Yes <input type="checkbox"/> Yes □ No <input type="checkbox"/> No Corrected Temp. °C	

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

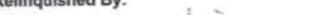
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum, LLC			BILL TO			ANALYSIS REQUEST							
Project Manager: Beaux Jennings			P.O. #:										
Address: 601 N. Marienfeld St. STE 400			Company: OXY USA										
City: Midland State: TX Zip: 79701			Attn: Wade Dittrich										
Phone #: (210)219-8858 Email:bjennings@ensolum.com			Address:										
Project #: 05B1417213 Project Owner:			City:										
Project Name: NIMITE MPP 131 Feb 2014			State: Zip:										
Project Location: 43114			Phone #:										
Sampler Name: Kaoru Shimada			Email:										
FOR LAB USE ONLY													
Lab I.D.	Sample I.D.	Sample Depth (feet)	MATRIX		PRESERV.	SAMPLING		BTEX 8021B	TPH 8015M	Chloride 4500	Hold		
			(G)RAB OR (C)OMP.	A/CONTAINERS		DATE	TIME						
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL ✓	OTHER:		
H245703													
11	FS11	4	C	C	X				X	9-17-24	1158	X	X
12	FS12		C	C	X				X	9-17-24	1201	X	X
13	FS13	7	C	C	X				X	9-17-24	1200	X	X
14	FS14		C	C	X				X	9-17-24	1159	X	X
15	FS15										1205		
16	FS16										1204		
17	FS17										1203		
18	FS18										1201		
19	FS19										1206		
20	FS20	4	V	V	V	V	V	V	V	V	1207	V	V

Limitation of Liability and Disclaimers. Cardiologist'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 services rendered.

PLEASE NOTE: Liability and Damages. Cardinal's liability and clients' acceptance hereby for any and all claims 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 services.

All claims including those for negligence and any other cause whatsoever shall be governed by and construed in accordance with the laws of the State of New York.

<p>In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, damages for loss of profits, loss of business, loss of data, loss of goodwill, interrupted business, or any other damages, even if Cardinal has been advised of the possibility of such damages.</p> <p>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.</p>						
Relinquished By: 		Date: <u>9-19-24</u> Time: <u>1315</u>	Received By: 			
Relinquished By: 		Date: _____ Time: _____	Received By: 			
REMARKS: Paykey/AFE/NonAFE:						
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C <u>17</u> Corrected Temp. °C <u>11</u>	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: 	Turnaround Time: Standard <input checked="" type="checkbox"/> Bacteria (only) Sample Condition Rush <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact Observed Temp. °C _____ Thermometer ID: <u>140</u> Correction Factor: <u>-0.6°</u>	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: _____ All Results are emailed. Please provide Email address: <u>bjennings@ensolum.com, klowers@ensolum.com</u>

FORM-006 R 3.2 10/07/2018

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3/3

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

Company Name: Ensolum, LLC			BILL TO		ANALYSIS REQUEST			
Project Manager: Beaux Jennings			P.O. #:					
Address: 601 N. Marienfeld St. STE 400			Company: OXY USA					
City: Midland State: TX Zip: 79701			Attn: Wade Dittrich					
Phone #: (210)219-8858 Email:bjennings@ensolum.com			Address:					
Project #: 03B1417213 Project Owner:			City:					
Project Name: NIMITZ MPP 13 1 Feed Cam			State: Zip:					
Project Location: #31161			Phone #:					
Sampler Name: Kaoru Shimada			Email:					
FOR LAB USE ONLY			MATRIX		PRESERV.		SAMPLING	
Lab I.D.	Sample I.D.	Sample Depth (feet)	(GRAB OR C/OMP.	# CONTAINERS	DATE	TIME		
H245703	SW01	0-4	C1	1	9-17-24	1224		
21	SW02	1	C1	1	1	1226		
22	SW03	1	C1	1	1	1227		
23	SW04	1	C1	1	1	1228		
24	SW05	1	C1	1	1	1229		
25	SW06	0-4	C1	1	9-17-24	1217	X	X
26	FS21	4	C1	1	9-17-24	1209	X	X
	NFE				9-17	-2024		

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:	Date: 9-19-24	Received By: <i>Kaoru Shimada</i>	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:
	Time: 1305		All Results are emailed. Please provide Email address: bjennings@ensolum.com, klowery@ensolum.com
Relinquished By:	Date:	Received By:	REMARKS: Paykey/AFE/NonAFE:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C Corrected Temp. °C 1.7 1.1	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	Turnaround Time: Standard <input checked="" type="checkbox"/> Bacteria (only) Sample Condition Rush <input type="checkbox"/> Cool Intact Observed Temp. °C Thermometer ID #146-#146 Correction Factor 0.60 0.60 <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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



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

October 08, 2024

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

RE: NIMITZ MDP1 13 1 FED COM #311H

Enclosed are the results of analyses for samples received by the laboratory on 10/03/24 12:27.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/03/2024	Sampling Date:	10/03/2024
Reported:	10/08/2024	Sampling Type:	Soil
Project Name:	NIMITZ MDP1 13 1 FED COM #311H	Sampling Condition:	Cool & Intact
Project Number:	03B1417213	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY 32.222561, -103.992187		

Sample ID: SW 01 0-4' (H246021-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/03/2024	ND	432	108	400	3.64	

Sample ID: SW 02 0-4' (H246021-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/03/2024	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	10/04/2024	ND	195	97.5	200	0.398	
DRO >C10-C28*	<10.0	10.0	10/04/2024	ND	167	83.3	200	5.42	
EXT DRO >C28-C36	<10.0	10.0	10/04/2024	ND					

Surrogate: 1-Chlorooctane 75.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

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-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC			BILL TO			ANALYSIS REQUEST															
Project Manager: <u>Beau Jennings</u> <u>Kelly Lowery</u>			P.O. #:																		
Address: 601 N Marienfeld Street, Suite 400			Company: Oxy USA Inc.																		
City: Midland		State: TX	Zip: 79701	Attn: Wade Dittrich																	
Phone #: 210-219-8858		Fax #:		Address:																	
Project #: <u>03B1417213</u>		Project Owner:		City:																	
Project Name: <u>Nimitz MDPI 131 Fed. Com. #31111</u>				State: Zip:																	
Project Location: <u>Eddy County</u>				Phone #: 575-390-2828																	
Sampler Name: <u>Tabitha Guardian</u>				Fax #:																	
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING											
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME						
<u>H2410021</u>	<u>SW01</u> <u>SW02</u>	<u>0-4'</u> <u>0-4'</u>	<u>C</u>	<u>1</u>			<u>X</u>				<u>X</u>	<u>10/3/24</u>	<u>1015</u>	<u>X</u>							
			<u>C</u>	<u>1</u>			<u>X</u>				<u>X</u>	<u>10/3/24</u>	<u>1018</u>	<u>X</u>	<u>X</u>						
<u>10/3/24</u>																					
<u>NFE</u>																					
<u>TNS</u>																					

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: 	Date: <u>10/3/24</u> Time: <u>1227</u>	Received By: <u>S Rodriguez</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: <u>klowery@ensolum.com</u>	
Relinquished By: 	Date: <u></u> Time: <u></u>	Received By: <u></u>	REMARKS: <u></u>	
Delivered By: (Circle One)	Observed Temp. °C <u>3.32</u>	Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	Checked By: (Initials) <u>SD</u>	Turnaround Time: Standard <input type="checkbox"/> Bacteria (only) Sample Condition <u>-0.10</u> <input type="checkbox"/> Rush <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C Thermometer ID: <u>#113</u> <input type="checkbox"/> Yes <input type="checkbox"/> Yes Correction Factor: <u>-0.5°C</u> <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C <u>2.72</u>			

FORM-000 R 3.2 10/07/21

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



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

September 18, 2024

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: TWIN WELLS CALICHE PIT

Enclosed are the results of analyses for samples received by the laboratory on 09/09/24 15:16.

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

www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	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, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: TWIN WELLS CALICHE PIT
Project Number: 03B1417156
Project Manager: KELLY LOWERY
Fax To:

Reported:
18-Sep-24 09:06

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
-----------	---------------	--------	--------------	---------------

TWIN WELLS CALICHE PIT H245437-01 Soil 09-Sep-24 14:00 09-Sep-24 15:16

09/18/24 - Client added BTEX and TPH to sample (see COC). This is the revised report and will replace the one sent on 09/12/24.

Cardinal Laboratories

*=Accredited Analyte

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

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

Cely D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: TWIN WELLS CALICHE PIT
Project Number: 03B1417156
Project Manager: KELLY LOWERY
Fax To:

Reported:
18-Sep-24 09:06

TWIN WELLS CALICHE PIT
H245437-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0	16.0	mg/kg	4	4091017	CT	10-Sep-24	4500-Cl-B
----------	-------------	------	-------	---	---------	----	-----------	-----------

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4091601	JH	16-Sep-24	8021B
Toluene*	<0.050	0.050	mg/kg	50	4091601	JH	16-Sep-24	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	4091601	JH	16-Sep-24	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	4091601	JH	16-Sep-24	8021B
Total BTEX	<0.300	0.300	mg/kg	50	4091601	JH	16-Sep-24	8021B

Surrogate: 4-Bromofluorobenzene (PID)	99.1 %	71.5-134	4091601	JH	16-Sep-24	8021B
---------------------------------------	--------	----------	---------	----	-----------	-------

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4091609	MS	16-Sep-24	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4091609	MS	16-Sep-24	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4091609	MS	16-Sep-24	8015B
Surrogate: 1-Chlorooctane		77.2 %	48.2-134		4091609	MS	16-Sep-24	8015B
Surrogate: 1-Chlorooctadecane		79.7 %	49.1-148		4091609	MS	16-Sep-24	8015B

Cardinal Laboratories

*=Accredited Analyte

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

Cely D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: TWIN WELLS CALICHE PIT
Project Number: 03B1417156
Project Manager: KELLY LOWERY
Fax To:

Reported:
18-Sep-24 09:06

Inorganic Compounds - Quality Control**Cardinal Laboratories**

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

Batch 4091017 - 1:4 DI Water

Blank (4091017-BLK1)	Prepared & Analyzed: 10-Sep-24									
Chloride	ND	16.0	mg/kg							
LCS (4091017-BS1)	Prepared & Analyzed: 10-Sep-24									
Chloride	400	16.0	mg/kg	400	100	80-120				
LCS Dup (4091017-BSD1)	Prepared & Analyzed: 10-Sep-24									
Chloride	400	16.0	mg/kg	400	100	80-120	0.00	20		

Cardinal Laboratories

*=Accredited Analyte

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

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

Cely D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: TWIN WELLS CALICHE PIT
Project Number: 03B1417156
Project Manager: KELLY LOWERY
Fax To:

Reported:
18-Sep-24 09:06

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	---------	-----------	-------

Batch 4091601 - Volatiles

Blank (4091601-BLK1)				Prepared & Analyzed: 16-Sep-24			
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)	ND		mg/kg	0.0500		99.0	71.5-134

LCS (4091601-BS1)				Prepared & Analyzed: 16-Sep-24			
Benzene	2.16	0.050	mg/kg	2.00		108	82.8-130
Toluene	2.12	0.050	mg/kg	2.00		106	86-128
Ethylbenzene	2.14	0.050	mg/kg	2.00		107	85.9-128
m,p-Xylene	4.29	0.100	mg/kg	4.00		107	89-129
o-Xylene	2.11	0.050	mg/kg	2.00		105	86.1-125
Total Xylenes	6.40	0.150	mg/kg	6.00		107	88.2-128
Surrogate: 4-Bromofluorobenzene (PID)	0.0497		mg/kg	0.0500		99.5	71.5-134

LCS Dup (4091601-BSD1)				Prepared & Analyzed: 16-Sep-24			
Benzene	2.10	0.050	mg/kg	2.00		105	82.8-130
Toluene	2.06	0.050	mg/kg	2.00		103	86-128
Ethylbenzene	2.08	0.050	mg/kg	2.00		104	85.9-128
m,p-Xylene	4.15	0.100	mg/kg	4.00		104	89-129
o-Xylene	2.04	0.050	mg/kg	2.00		102	86.1-125
Total Xylenes	6.19	0.150	mg/kg	6.00		103	88.2-128
Surrogate: 4-Bromofluorobenzene (PID)	0.0494		mg/kg	0.0500		98.8	71.5-134

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: TWIN WELLS CALICHE PIT
Project Number: 03B1417156
Project Manager: KELLY LOWERY
Fax To:

Reported:
18-Sep-24 09:06

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

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

Batch 4091609 - General Prep - Organics**Blank (4091609-BLK1)**

		Prepared & Analyzed: 16-Sep-24				
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	43.5		mg/kg	50.0	87.0	48.2-134
Surrogate: 1-Chlorooctadecane	46.0		mg/kg	50.0	92.1	49.1-148

LCS (4091609-BS1)

		Prepared & Analyzed: 16-Sep-24				
GRO C6-C10	199	10.0	mg/kg	200	99.5	66.4-123
DRO >C10-C28	190	10.0	mg/kg	200	95.1	66.5-118
Total TPH C6-C28	389	10.0	mg/kg	400	97.3	77.6-123
Surrogate: 1-Chlorooctane	47.1		mg/kg	50.0	94.2	48.2-134
Surrogate: 1-Chlorooctadecane	49.2		mg/kg	50.0	98.4	49.1-148

LCS Dup (4091609-BSD1)

		Prepared & Analyzed: 16-Sep-24				
GRO C6-C10	174	10.0	mg/kg	200	86.8	66.4-123
DRO >C10-C28	160	10.0	mg/kg	200	79.9	66.5-118
Total TPH C6-C28	333	10.0	mg/kg	400	83.4	77.6-123
Surrogate: 1-Chlorooctane	38.2		mg/kg	50.0	76.5	48.2-134
Surrogate: 1-Chlorooctadecane	41.4		mg/kg	50.0	82.9	49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

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

Cely 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

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 but not limited to, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, agents and employees, and independent contractors, and for claims arising from the use of any services, products, or information provided by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>J. A.</i>				Date: <u>9/9/24</u>	Received By: <i>Opamus</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: <i>1Klowen@ensolum.com</i>
				Time: <u>1510</u>		All Results are emailed. Please provide Email address: <i>BJennings@ensolum.com</i>
Relinquished By:		Date:	Received By:		REMARKS:	
		Time:			<i>* Cust. addled analysis - T.O. 9/13/24</i>	
Delivered By: (Circle One)		Observed Temp. °C <u>0.7°C</u>	Sample Condition Cool <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: <i>RP</i>	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	Bacteria (only) Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>0.1°C</u>			Thermometer ID #143- <u>T100</u> Correction Factor: <u>0.5°C</u> <u>-0.4°C</u>	

FORM-F008 R 3.2 10/07/21

† 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 521676

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521676
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2420440081
Incident Name	NAPP2420440081 NIMITZ MDP1 13 1 FED. COM. #311H @ 30-015-48586
Incident Type	Oil Release
Incident Status	Reclamation Report Received
Incident Well	[30-015-48586] NIMITZ MDP1 13 1 FEDERAL COM #311H

Location of Release Source

Please answer all the questions in this group.

Site Name	NIMITZ MDP1 13 1 FED. COM. #311H
Date Release Discovered	07/20/2024
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 3 BBL Recovered: 0 BBL Lost: 3 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 7 BBL Recovered: 0 BBL Lost: 7 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	<i>Not answered.</i>
Natural Gas Vented (Mcf) Details	<i>Not answered.</i>
Natural Gas Flared (Mcf) Details	<i>Not answered.</i>
Other Released Details	<i>Not answered.</i>
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	<i>Not answered.</i>

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 521676

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521676
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

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	Name: Daniel Sparks Title: Environmental Analyst III Email: daniel_sparks@oxy.com Date: 10/30/2025
----------------------------------------------------	-------------------------------------------------------------------------------------------------------------

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 521676

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521676
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 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 ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	6960
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	972
GRO+DRO (EPA SW-846 Method 8015M)	763
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	08/28/2024
On what date will (or did) the final sampling or liner inspection occur	10/03/2024
On what date will (or was) the remediation complete(d)	10/03/2024
What is the estimated surface area (in square feet) that will be reclaimed	4328
What is the estimated volume (in cubic yards) that will be reclaimed	641
What is the estimated surface area (in square feet) that will be remediated	4328
What is the estimated volume (in cubic yards) that will be remediated	641

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

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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 521676

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521676
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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
----------------------------------------------------	-------------------------------------------------------------------------------------------------------------

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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 521676

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521676
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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
------------------------------------------------------------------------------------------------	----

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 6

Action 521676

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521676
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	388152
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/03/2024
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	400

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	4328
What was the total volume (cubic yards) remediated	641
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	4328
What was the total volume (in cubic yards) reclaimed	641
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
----------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 521676

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521676
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS**Reclamation Report**

Only answer the questions in this group if all reclamation steps have been completed.

Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	25752
What was the total volume of replacement material (in cubic yards) for this site	2643
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	07/03/2025
Summarize any additional reclamation activities not included by answers (above)	NA

The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 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
----------------------------------------------------	-------------------------------------------------------------------------------------------------------------

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 8

Action 521676

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521676
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report

Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.

Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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

CONDITIONS

Action 521676

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521676
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Reclamation report approved. Pending re-vegetation report.	12/30/2025