

CLOSURE REPORT

Property:

Right Hand Canyon 35 1

Eddy County, New Mexico 32.431998° N, 104.473860° W NMOCD Incident ID: nKMW1110138117 RP No.: 2RP-728 API No.: 30-015-26126

October 17, 2022 Ensolum Project No. 03B1417038

Prepared for:

Oxy USA Inc. P.O. Box 4294 Houston, TX 77210 Attn: Mr. Wade Dittrich

Prepared by:

Beaux Jennings Senior Project Manager

Heather Holthaus Senior Project Manager



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CLOSURE REPORT

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Ensolum Project No. 03B1417038

1.0 INTRODUCTION

1.1 Executive Summary

- On April 30, 2010, a release of crude oil and produced water was reported from a steel gas supply line failure at the Right Hand Canyon 35 1, hereinafter referred to as the "Site". Approximately 15 barrels (bbls) of crude oil and five bbls of produced water were released to the ground surface affecting an area approximately 50 feet by 40 feet and an area approximately 160 feet by 10 feet. Five (5) bbls were recovered. The line was repaired, and initial response actions were conducted by Talon LPE, on behalf of Oxy USA Inc. (Oxy). The initial response actions stated that the release area was excavated to a depth of half a foot (0.5) to one and a half (1.5) feet. Bedrock was encountered and limited the depth of the excavation during initial response actions. During initial response actions, excavated material was transported to Lea Land for disposal and clean material was brought in as backfill. Based on historical correspondence on May 18, 2015 from the New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD), the site was not granted closure due to contamination left in place.
- On April 11, 2022, Ensolum, LLC (Ensolum) arrived on-Site and collected 29 pothole composite soil samples from within the release area, the pothole soil samples were collected from 15 different sample locations (PH-1 through PH-15) at depths ranging from 0.5 to 3.5 feet below ground surface (bgs).
- On April 13, 2022, subsequent to excavation based on laboratory analytical data, Ensolum arrived on-Site and collected five composite soil samples from the excavation floor (FS-1 through FS-5) at a depth of 0.5-foot bgs.
- On April 26, 2022, subsequent to additional excavation based on laboratory analytical data, Ensolum arrived on-Site and collected five composite soil samples from the excavation floor (FS-1 through FS-5) at depths ranging from two feet bgs to four feet bgs, and one additional pothole composite soil sample (PH-9) was collected at a depth of two and a half feet bgs. Additionally, Ensolum collected eight composite soil samples from the excavation sidewalls (N-SW-1, N-SW-2, E-SW-1, E-SW-2, S-SW-1, S-SW-2, W-SW-1 and W-SW-2) at depths ranging from 0-2 to 0-4 feet bgs.



- Based on laboratory analytical data, further excavation was required at floor sample locations FS-1, FS-2, FS-4 and FS-5 and side wall sample locations N-SW-1, N-SW-2, E-SW-1, E-SW-2, S-SW-1, S-SW-2, W-SW-1 and W-SW-2. Additional samples were collected on June 28, 2022, August 9, 2022 and September 2, 2022, subsequent to additional excavation activities. Final confirmation composite soil samples from the excavation floor were collected at depths ranging from two to four feet bgs and final confirmation composite soil samples from the side walls were collected from depths ranging from 0-2 to 0-4 feet bgs.
- The primary objective of the closure activities was to reduce chemical of concern (COC) concentrations in the on-Site soils to below the applicable New Mexico EMNRD OCD 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 areas measured approximately 25 feet by 15 feet (FS-1, FS-2 and FS-3), 8 feet by 8 feet (FS-4) and 15 feet by 15 feet (FS-5). The excavation depths ranged from two feet bgs in the areas of FS-1 through FS-4 to four feet bgs in the area of FS-5.
- A total of 16 composite soil samples from five locations from the excavation floor (FS-1 through FS-5), 21 composite soil samples from eight (8) locations from the excavation sidewalls (N-SW-1, N-SW-2, E-SW-1, E-SW-2, S-SW-1, S-SW-2, W-SW-1 and W-SW-2), and 30 composite soil samples from 15 pothole locations (PH-1 through PH-15) were collected.
- Based on the laboratory analytical results, the final confirmation composite soil samples collected from the potholes, excavation floor and sidewalls did not exhibit benzene, total benzene, toluene, ethylbenzene, and xylene (BTEX), total petroleum hydrocarbons (TPH), gasoline range organics (GRO), diesel range organics (DRO) and/or motor oil range organics (MRO) or chloride concentrations above the applicable NMOCD Closure Criteria. Subsequent to the results of the confirmation soil sampling, the identified impacted soils were removed and taken off-Site for proper disposal and the excavated area was backfilled with clean fill material, and then contoured to the original surrounding grade.

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

1.2 Site Description & Background

Operator:	Oxy USA Inc. (Oxy)
Site Name:	Right Hand Canyon 35 1
Location:	32.431998° N, 104.473860° W Eddy County, New Mexico
Property:	Bureau of Land Management (BLM)
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)



On April 30, 2010, a release of crude oil and produced water was reported from a steel gas supply line failure at the Site. Approximately 15 bbls of crude oil and five bbls of produced water were released to the ground surface affecting an area approximately 50 feet by 40 feet and an area approximately 160 feet by 10 feet. Five bbls were recovered. The line was repaired, and initial response actions were conducted by Talon LPE, on behalf of Oxy. The initial response actions stated that the release area was excavated to a depth of half a foot (0.5) to one and a half (1.5) feet. Bedrock was encountered and limited the depth of the excavation during initial response actions. During initial response actions, excavated material was transported to Lea Land for disposal and clean material was brought in as backfill.

The Topographic Map depicting the location of the Site is included as **Figure 1**, the Site Vicinity Map is included as **Figure 2**, the Site Map indicating the locations of composite soil samples is included as **Figure 3**, and the Closure Criteria Map is included as **Figure 4** in **Appendix A**.

1.3 Project Objective

The primary objective of the closure activities was to reduce COC concentrations in the on-Site soils to below 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 NMAC 19.15.29 *Releases,* which establishes investigation and abatement action requirements for sites subject to reporting and/or corrective action. Ensolum utilized information provided by Oxy, the general site characteristics, and information available from the New Mexico Office of the State Engineer (OSE) and the New Mexico EMNRD OCD Imaging database to determine the appropriate closure criteria for the Site.

- The Site is not located within 300 feet of a New Mexico ENMRD OCD-defined continuously flowing watercourse or any other 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 from an occupied permanent residence, school, hospital, institution, or church.
- According to the OSE WRSS database there are no private, domestic freshwater wells used by less than five (5) households for domestic or stock water purposes identified within 500 feet of the Site.
- According to the OSE WRSS database there are no freshwater wells identified within 1,000 feet of the Site as declared in the previous bullet.
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3.
- The Site is not located within 300 feet of a classified wetland; however, a Riparian area is located approximately 250 feet to the west of the Site, followed by a Riverine wetland approximately 600 feet to the northwest of the Site.
- Based on information identified on the New Mexico Mining and Minerals Division's 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 an
 unstable area, also referred to as high karst.
- The Site is noted to be located within an area of minimal flood hazard.

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

3.0 SOIL REMEDIATION ACTIVITIES

On April 30, 2010, a release of crude oil and produced water was reported from a steel gas supply line failure at the Site. Approximately 15 bbls of crude oil and five bbls of produced water were released to the ground surface affecting an area approximately 50 feet by 40 feet and an area approximately 160 feet by 10 feet. Five bbls were recovered. The line was repaired, and initial response actions were conducted by Talon LPE, on behalf of Oxy. The initial response actions stated that the release area was excavated to a depth of half a foot (0.5) to one and a half (1.5) feet. Bedrock was encountered and limited the depth of the excavation during initial response actions. During initial response actions, excavated material was transported to Lea Land for disposal and clean material was brought in as backfill.

Ensolum was contacted by Oxy with the purpose of sampling the area of the release to determine if further excavation was required. On April 11, 2022, Ensolum arrived on-Site and collected 29 pothole soil samples from within the release area, the pothole composite soil samples were collected from 15 different sample locations (PH-1 through PH-15) at depths ranging from 0.5 to 3.5 feet bgs.

On April 13, 2022, subsequent to excavation based on laboratory analytical data, Ensolum arrived on-Site and collected five composite soil samples from the excavation floor (FS-1 through FS-5) at a depth of 0.5 foot bgs.

On April 26, 2022, subsequent to additional excavation based on laboratory analytical data, Ensolum arrived on-Site and collected five composite soil samples from the excavation floor (FS-1 through FS-5) at depths ranging from two feet bgs to four feet bgs, and one additional pothole composite soil sample (PH-9) was collected at a depth of two and a half feet bgs. Additionally, Ensolum collected eight composite soil samples from the excavation sidewalls (N-SW-1, N-SW-2, E-SW-1, E-SW-2, S-SW-1, S-SW-2, W-SW-1 and W-SW-2) at depths ranging from 0-2 to 0-4 feet bgs.



Based on laboratory analytical data, further excavation was required at floor sample locations FS-1, FS-2, FS-4 and FS-5 and side wall sample locations N-SW-1, N-SW-2, E-SW-1, E-SW-2, S-SW-1, S-SW-2, W-SW-1 and W-SW-2. Additional samples were collected on June 28, 2022, August 9, 2022 and September 2, 2022, subsequent to additional excavation activities. Final confirmation composite soil samples from the excavation floor were collected at depths ranging from two to four feet bgs and final confirmation composite soil samples from the side walls were collected from depths ranging from 0-2 to 0-4 feet bgs.

The confirmation soil samples were analyzed for BTEX, TPH and chloride in accordance with NMOCD Closure Criteria for Soils Impacted by a Release (NMOCD Closure Criteria).

The final excavation areas measured approximately 25 feet by 15 feet (FS-1, FS-2 and FS-3), 8 feet by 8 feet (FS-4) and 15 feet by 15 feet (FS-5). The excavation depths ranged from two feet bgs in the areas of FS-1 through FS-4 to four feet bgs in the area of FS-5. The excavated impacted soils were removed and taken off-Site for proper disposal.

The lithology encountered during the completion of sampling activities consisted primarily of a well graded very fine brown and tan sand.

Figure 3 identifies approximate composite soil sample locations and approximate dimensions of the impacted area with respect to the Site (**Appendix A**). Photographic documentation of the field activities is included in **Appendix C**.

4.0 SOIL SAMPLING PROGRAM

Ensolum's soil sampling program included the collection of 16 composite soil samples from five locations from the excavation floor (FS-1 through FS-5), 21 composite soil samples from eight locations from the excavation sidewalls (N-SW-1, N-SW-2, E-SW-1, E-SW-2, S-SW-1, S-SW-2, W-SW-1 and W-SW-2), and 30 soil samples from 15 pothole locations (PH-1 through PH-15) were collected.

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. The samples were relinquished to Cardinal Laboratories in Hobbs, New Mexico for laboratory analysis.

5.0 SOIL LABORATORY ANALYTICAL METHODS

The soil samples were analyzed for BTEX utilizing Environmental Protection Agency (EPA) SW-846 Method 8021B, TPH GRO/DRO/MRO utilizing EPA SW-846 Method 8015M, and chloride utilizing EPA Method 4500-CI B.

Laboratory analytical results are summarized in **Table 1** in **Appendix D**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix E**.

6.0 DATA EVALUATION

Ensolum compared the BTEX, TPH GRO/DRO/MRO, and chloride concentrations associated with the composite soil samples collected from the potholes (PH-1 through PH-15), the excavation floor (FS-1 through FS-5), and the excavation sidewalls (N-SW-1, N-SW-2, E-SW-1, E-SW-2, S-SW-1, S-SW-2, W-SW-1 and W-SW-2) to the applicable NMOCD Closure Criteria.

 Laboratory analytical results indicate benzene concentrations for the composite soil samples are below the laboratory sample detection limits (SDLs), which are below the applicable NMOCD Closure Criteria of 10 milligrams per kilogram (mg/kg).



- Laboratory analytical results indicate that total BTEX concentrations for the composite soil samples
 are below the laboratory SDLs, which are below the applicable NMOCD Closure Criteria of 50
 mg/kg.
- Laboratory analytical results indicate combined TPH GRO/DRO/MRO concentrations for the composite pothole soil samples (PH-9 at 2 and PH-10 at 0.5), excavation floor samples (FS-1 at 0.5 and 2, FS-2 at 0.5 and 2, FS-3 at 0.5, FS-4 at 0.5 and 2, and FS-5 at 0.5 and 4), and excavation sidewall samples (N-SW-1 at 0-4, N-SW-2 at 0-2, E-SW-1 at 0-4, E-SW-2 at 0-2, S-SW-1 at 0-4, S-SW-2 at 0-2, W-SW-1 at 0-4, and W-SW-2 at 0-2) ranged from 114 mg/kg to 9,406 mg/kg, which exceed the applicable NMOCD Closure Criteria of 100 mg/kg from ≤50 feet. The soils in these locations were subsequently treated or removed and taken off-Site for proper disposal.
- Laboratory analytical results indicate combined TPH GRO/DRO/MRO concentrations for the final composite soil samples are below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 100 mg/kg from ≤50 feet.
- Laboratory analytical results indicate chloride concentrations for the composite soil samples
 exhibited chloride concentrations ranging from below the laboratory SDLs to 400 mg/kg, which are
 below the applicable NMOCD Closure Criteria of 600 mg/kg from ≤50 feet.

Laboratory analytical results are summarized in **Table 1** in **Appendix D.**

7.0 RECLAMATION AND RE-VEGETATION

Subsequent to the results of the final confirmation soil sampling, the identified impacted soils were removed and taken off-Site for proper disposal. The excavated area was backfilled with clean fill material, and then contoured to the original surrounding grade.

8.0 FINDINGS AND RECOMMENDATION

- On April 30, 2010, a release of crude oil and produced water was reported from a steel gas supply line failure at the Site. Approximately 15 bbls of crude oil and five bbls of produced water were released to the ground surface affecting an area approximately 50 feet by 40 feet and an area approximately 160 feet by 10 feet. Five bbls were recovered. The line was repaired, and initial response actions were conducted by Talon LPE, on behalf of Oxy. The initial response actions stated that the release area was excavated to a depth of half a foot (0.5) to one and a half (1.5) feet. Bedrock was encountered and limited the depth of the excavation during initial response actions. During initial response actions, excavated material was transported to Lea Land for disposal and clean material was brought in as backfill. Based on historical correspondence on May 18, 2015 from the New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD), the site was not granted closure due to contamination left in place.
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- On April 13, 2022, subsequent to excavation based on laboratory analytical data, Ensolum arrived on-Site and collected five composite soil samples from the excavation floor (FS-1 through FS-5) at a depth of 0.5 foot bgs.



- On April 26, 2022, subsequent to additional excavation based on laboratory analytical data, Ensolum arrived on-Site and collected five composite soil samples from the excavation floor (FS-1 through FS-5) at depths ranging from two feet bgs to four feet bgs, and one additional pothole composite soil sample (PH-9) was collected at a depth of two and a half feet bgs. Additionally, Ensolum collected eight composite soil samples from the excavation sidewalls (N-SW-1, N-SW-2, E-SW-1, E-SW-2, S-SW-1, S-SW-2, W-SW-1 and W-SW-2) at depths ranging from 0-2 to 0-4 feet bgs.
- Based on laboratory analytical data, further excavation was required at floor sample locations FS-1, FS-2, FS-4 and FS-5 and side wall sample locations N-SW-1, N-SW-2, E-SW-1, E-SW-2, S-SW-1, S-SW-2, W-SW-1 and W-SW-2. Additional samples were collected on June 28, 2022, August 9, 2022 and September 2, 2022, subsequent to additional excavation activities. Final composite soil samples from the excavation floor were collected at depths ranging from two to four feet bgs and final composite soil samples from the side walls were collected from depths ranging from 0-2 to 0-4 feet bgs.
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- The final excavation areas measured approximately 25 feet by 15 feet (FS-1, FS-2 and FS-3), 8 feet by 8 feet (FS-4) and 15 feet by 15 feet (FS-5). The excavation depths ranged from two feet bgs in the areas of FS-1 through FS-4 to four feet bgs in the area of FS-5.
- A total of 16 composite soil samples from five locations from the excavation floor (FS-1 through FS-5), 21 composite soil samples from eight (8) locations from the excavation sidewalls (N-SW-1, N-SW-2, E-SW-1, E-SW-2, S-SW-1, S-SW-2, W-SW-1 and W-SW-2), and 30 composite soil samples from 15 pothole locations (PH-1 through PH-15) were collected.
- Based on the laboratory analytical results, the final composite soil samples collected from the potholes, excavation floor and sidewalls did not exhibit benzene, total BTEX, TPH GRO/DRO/MRO or chloride concentrations above the applicable NMOCD Closure Criteria. Subsequent to the results of the confirmation soil sampling, the identified impacted soils were removed and taken off-Site for proper disposal and the excavated area was backfilled with clean fill material, and then contoured to the original surrounding grade.

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 at 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.

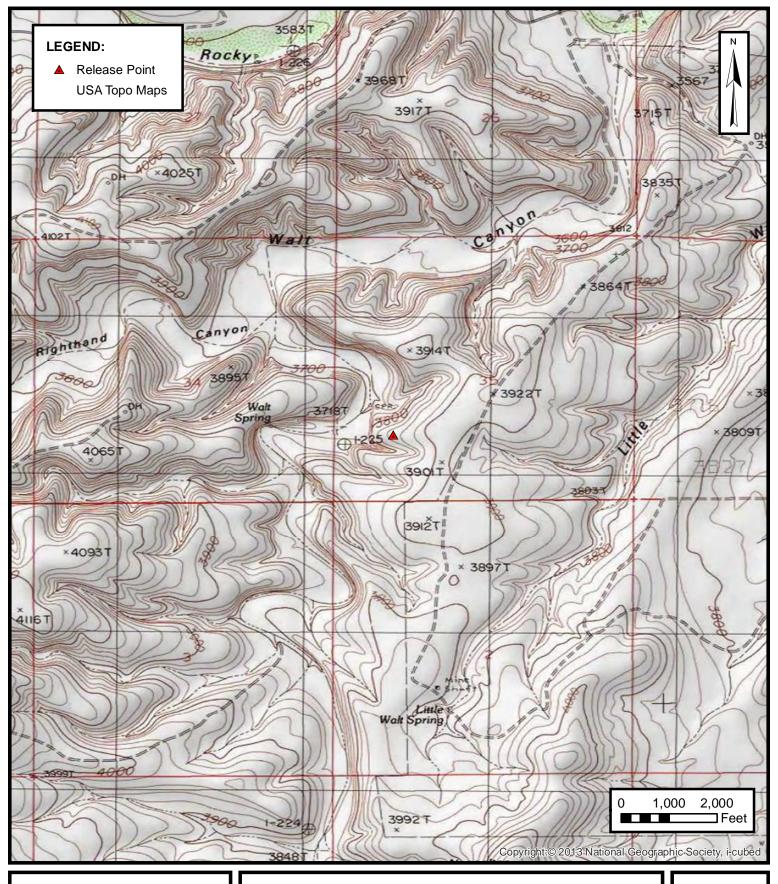
9.3 Reliance

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 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. RIGHT HAND CANYON 35 1 Eddy County, New Mexico 32.431998° N, 104.473860° W

PROJECT NUMBER: 03B1417038

FIGURE



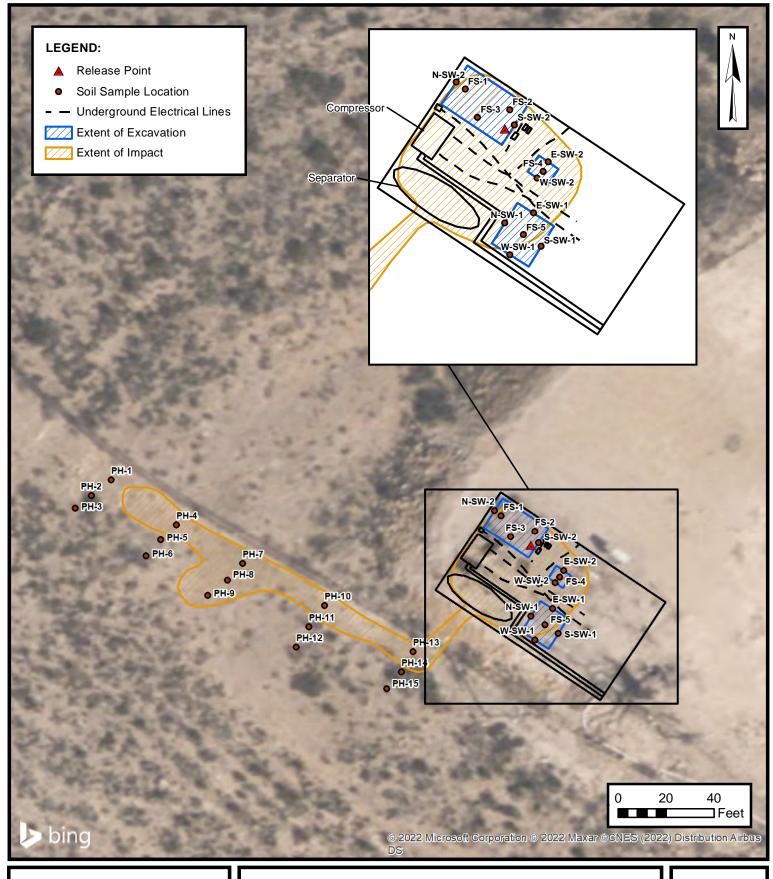


SITE VICINITY MAP

OXY USA INC. RIGHT HAND CANYON 35 1 Eddy County, New Mexico 32.431998° N, 104.473860° W

PROJECT NUMBER: 03B1417038

FIGURE



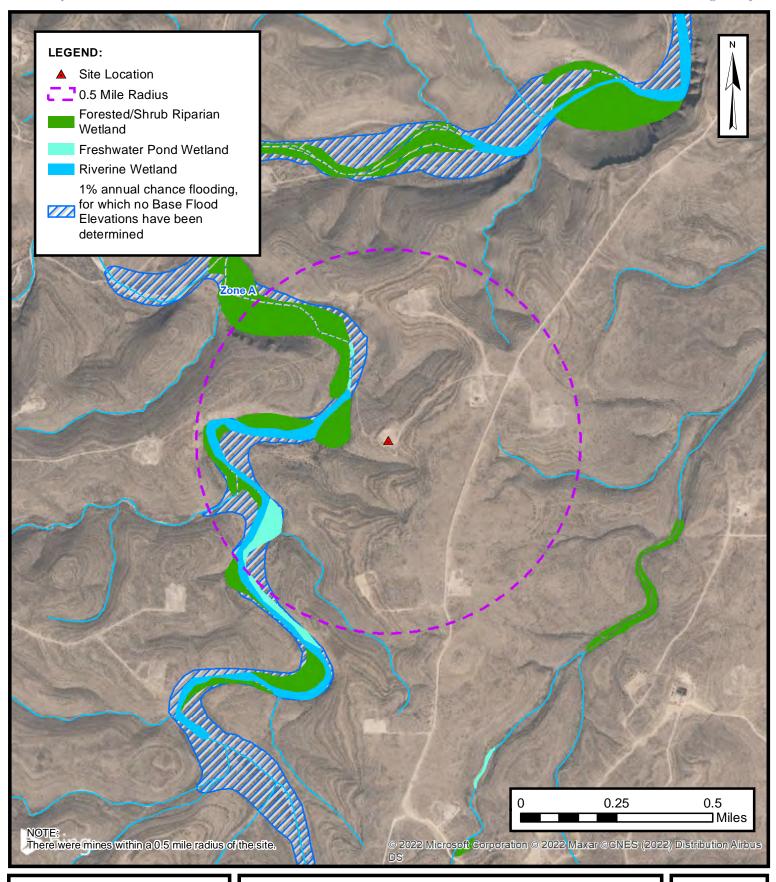


SITE MAP

OXY USA INC. RIGHT HAND CANYON 35 1 Eddy County, New Mexico 32.431998° N, 104.473860° W

PROJECT NUMBER: 03B1417038

FIGURE





CLOSURE CRITERIA MAP

OXY USA INC. RIGHT HAND CANYON 35 1 Eddy County, New Mexico 32.431998° N, 104.47386° W

PROJECT NUMBER: 03B1417038

FIGURE



APPENDIX B

Supporting Documentation

Beaux Jennings

From: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>

Sent: Tuesday, April 5, 2022 8:56 AM

To: Beaux Jennings

Cc: Bratcher, Mike, EMNRD; Hensley, Chad, EMNRD; Velez, Nelson, EMNRD; Nobui, Jennifer, EMNRD

Subject: RE: [EXTERNAL] Right Hand Canyon 35 1 (2RP-728)

Beaux,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/



From: Enviro, OCD, EMNRD < OCD. Enviro@state.nm.us>

Sent: Friday, April 1, 2022 2:59 PM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>

Subject: Fw: [EXTERNAL] Right Hand Canyon 35 1 (2RP-728)

From: Beaux Jennings < bjennings@ensolum.com >

Sent: Friday, April 1, 2022 2:09 PM

To: Enviro, OCD, EMNRD < OCD.Enviro@state.nm.us > Subject: [EXTERNAL] Right Hand Canyon 35 1 (2RP-728)

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

Good Afternoon,

On behalf of Oxy USA Inc, Ensolum, LLC would like to provided notification for characterization sampling activities that will be conducted at the Right Hand Canyon 35 1 (2RP-728). The characterization samples may be used for closure, provided that they meet applicable closure limits.

Thank you,



Beaux Jennings
Senior Project Manager
210-219-8858
Ensolum, LLC
in f

Beaux Jennings

From: Beaux Jennings

Sent: Thursday, August 4, 2022 9:17 PM

To: OCD.Enviro@state.nm.us

Subject: Right Hand Canyon 35 1 (2RP-728)

Good Afternoon,

On behalf of Oxy USA Inc, Ensolum, LLC would like to provide notification for sampling activities that will be conducted at the Right Hand Canyon 35 1 (2RP-728) on Tuesday, August 9th at 9am. The samples may be used for closure, provided that they meet applicable closure limits.

Thank you,



Beaux Jennings

Senior Project Manager 210-219-8858 Ensolum, LLC

in f 🎔

Beaux Jennings

From: Beaux Jennings

Sent: Tuesday, August 30, 2022 4:19 PM

To: OCD.Enviro@state.nm.us

Subject: Right Hand Canyon 35 1 (2RP-728)

Good Afternoon,

On behalf of Oxy USA Inc, Ensolum, LLC would like to provide notification for sampling activities that will be conducted at the Right Hand Canyon 35 1 (2RP-728) on Friday, September 2nd at 9am. The samples may be used for closure, provided that they meet applicable closure limits.

Thank you,



Received by OCD: 10/17/2022 4:10:54 PM French Dr., Hobbs, NM 88240

W. Grand Avenue, Artesia, NM 88210 <u>art III</u> 00 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

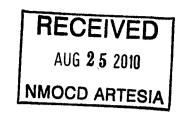
Oil Conservation Division 1220 South St. Francis Dr.

State of New Mexico	
Energy Minerals and Natural Resources	

Santa Fe, NM 87505

Release Notification and Corrective Action														
nkmu	11101	38//7				OPERA	TOR	nitial Report	. k.	Final Repor				
Name of Co	ompany O	XY USA				Contact Kelton Beaird								
Address 1502 W. Commerce Carlsbad, NM 88220 Facility Name Righthand Canyon 35-1							No. (O) 575-628	3-4100	· · · · · · · · · · · · · · · · · · ·					
Facility Na	me Right	hand Canyon	1 35-1			Facility Typ	e Gas Well		1					
Surface Ow	ner BLM			Mineral C)wner I	BLM		Lea	se No. 30015	26126				
LOCATION OF RELEASE														
Unit Letter	Section	Township	Range	Feet from the	North	orth/South Line Feet from the Eas			ne County	*****				
L	35	218	24E	1					EDDY	EDDY				
	-	L—	T.a	titude	<u> </u>	Longitud	e	·	. — I. — . —					
														
Type of Rele	ase Oil/Pro	oduced Water		NAI	UKŁ	OF RELI	Release 15 oil, 5	Volum	ne Recovered	5 hbls				
Type of Reie	use on the	Jaucca Water				water (barr	els)		iic Recovered	J 0013.				
Source of Re	lease Gas l	ine from Hori	zontal Ve	ssel		Date and H	our of Occurrenc		and Hour of D 10 @ 10 am	iscovery				
Was Immedi	ate Notice C				<u> </u>	If YES, To	Whom?	1 4-30-	10 (4) 10 441					
			Yes 🗌	No 🛛 Not Re	quired									
By Whom? Was a Water	nource Deep	had?	· · · · · · · · · · · · · · · · · · ·			1	our See above lume Impacting t	ha Wataraanra						
was a water	comse Reac		Yes [No		H 1E3, V0	torne unbacung u	ne watercoms						
If a Watercou	rse was Im	pacted, Descri	be Fully.*	•		<u> </u>								
			_											
Describe Cau Stainless stee				n Taken. failed to dump ca	usine tł	ne vessel to fil	l with oil.							
	· Bac salbr)													
Describe Are	a Δffected s	and Cleanup A	ction Tak	ren *										
				ed and replaced w	rith clea	n-like materia	1.							
I hereby certi	fir that the in	oformation of	ven ahove	is true and compl	ete to th	e hest of my l	knowledge and u	nderstand that	surguent to NA	4OCD ra	ules and			
				d/or file certain re										
				e of a C-141 repo										
				investigate and retance of a C-141,										
federal, state,	or local lav	/s and/or/regu	lations.		7					 				
		(/)	X	` /	\	OIL CONSERVATION DIVISION								
Signature:														
Printed Name: Kelton Beaird Approved by District Supervisor: Signed By Mile Brancher														
J. J														
Title: HES Specialist Approval Date: 4////// Expiration							on Date:							
E-mail Address: kelton_beaird@oxy.com						Conditions of Approval:				d□	i			
Date: 12-21-	10						iation per OCI		1	_				
Attach Additional Sheets If Necessary						Guidelines. SUBMIT REMEDIATION					4			
	· · · · · · · · · · · · · · · · · · ·						PROPOSAL NOT LATER THAN: 2RP-728							
3////														





Remediation Plan

Righthand Canyon 35-1

UL-L, Sec. 35, T21S R24E

Release Date: 4-30-2010

Submitted by: Kelton Beaird HES Spec. Oxy Mid-Con SW

Proposal

Talon LPE sampled on 6-4-10 and again on 6-16-10. Hard Rock was met during sampling, therefore limited the depth of delineation. Lab Analytical is attached to this document.

Oxy proposes to perform a cosmetic clean-up on the location by removing surface contamination and placing clean material back in its place. Due to low amounts of chloride contamination <250 ppm oxy proposes to monitor the affected area in the pasture for growth.

Thanks,

Kelton Beaird

HES Spec.

Oxy Mid-Con SW

Carlsbad, NM



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

ANALYTICAL RESULTS FOR TALON/LPE ATTN: KYLE SUMMERS 408 TEXAS ST. ARTESIA, NM 88210 FAX TO: (575) 746-8905

Receiving Date: 08/16/10 Reporting Date: 06/23/10

Project Owner: OXY
Project Name: RHC

Project Location: EDDY COUNTY, NM

Sampling Date: 06/16/10 Sample Type: SOIL

Sample Condition: COOL & INTACT @ 4.5°C

Sample Received By: JH Analyzed By: AB/CK/ZL/HM

GRO DRO **ETHYL** TOTAL (>C10-C28) BENZENE TOLUENE BENZENE XYLENES LAB NO. SAMPLE ID (C₆-C₁₀) CI* (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg)

ANALYSIS DATE:	06/19/10	06/19/10	06/16/10	06/16/10	06/16/10	06/16/10	06/18/10
H20137-1 SP-1 1.5'	79.9	1,470	<0.050	<0.050	0.124	1.64	16
H20137-2** SP-4 0.0'	639	11,700	<0.050	<0.050	0.522	9.06	48
H20137-3 SP-4 0.5'	32.0	970	<0.050	<0.050	<0.050	0.381	112
Quality Control	459	490	0.009	0.009	0.009	0.027	500
True Value QC	500	500	0.010	0.010	0.010	0.030	500
% Recovery	91.8	98.0	90.0	90.0	90.0	90.0	100
Relative Percent Difference	0.6	2.2	4.3	1.7	4.2	4.1	3.8

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021; CI: Std. Methods 4500-CI-B

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,

AND TOTAL XYLENES. Not accredited for GRO/DRO and Chloride.

**One or more TPH surrogates outside historical limits due to matrix interference.

Lab Directo

Date

H20137 TBCL TALON

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 walved 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 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.

^{*}Analysis performed on a 1:4 w.v aqueous extract. Reported on wet weight.





ANALYTICAL RESULTS FOR TALON/LPE ATTN: KYLE SUMMERS 408 TEXAS ST. ARTESIA, NM 88210 FAX TO: (575) 746-8905

Receiving Date: 06/07/10 Reporting Date: 06/10/10

Project Owner: OXY (RHC)
Project Name: NOT GIVEN

Project Location: EDDY COUNTY, NM

Sampling Date: 06/04/10 Sample Type: SOIL

Sample Condition: INTACT @ 13°C

Sample Received By: JH Analyzed By: AB/ZL

GRO DRO ETHYL TOTAL LAB NO. SAMPLE ID (C₈-C₁₀) (>C₁₀-C₂₈) BENZENE TOLUENE BENZENE XYLENES

 (C_8-C_{10}) (> $C_{10}-C_{28}$) BENZENE TOLUENE BENZENE XYLENES CI* (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg)

ANALYSIS DATE: 06/09/10 06/09/10 06/08/10 06/08/10 06/08/10 06/08/10 06/08/10 H20045-1 22,000 <0.050 0.609 SP-1 720 0.514 7.71 32 SP-3 <0.050 57.3 3,760 5.49 H20045-2 21,400 3.85 16 1,070 H20045-3 SP-5 19,400 < 0.050 0.728 0.922 9.36 16 **Quality Control** 456 405 0.021 0.021 0.022 0.065 500 0.060 500 True Value QC 500 500 0.020 0.020 0.020 % Recovery 91.2 81.0 105 105 110 108 100 Relative Percent Difference 0.6 <1.0 1.8 1.7 3.0 6.9

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021; CI-: Std. Methods 4500-CI-B

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,

AND TOTAL XYLENES. Not accredited for GRO/DRO and Chloride.

Lab Director/

Date

H20045 TBCL TALON

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remody 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 substitiaries, efficient 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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Leboratories.

^{*}Analyses performed on 1:4 w.v aqueous extracts. Reported on wet weight.

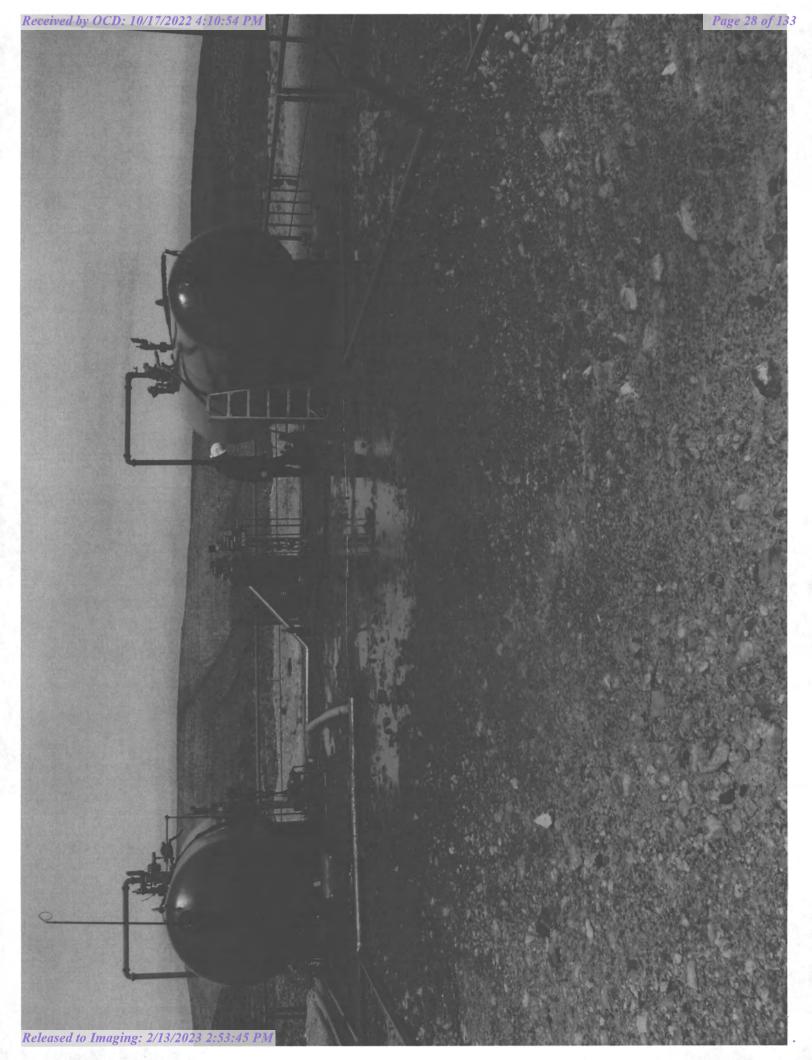


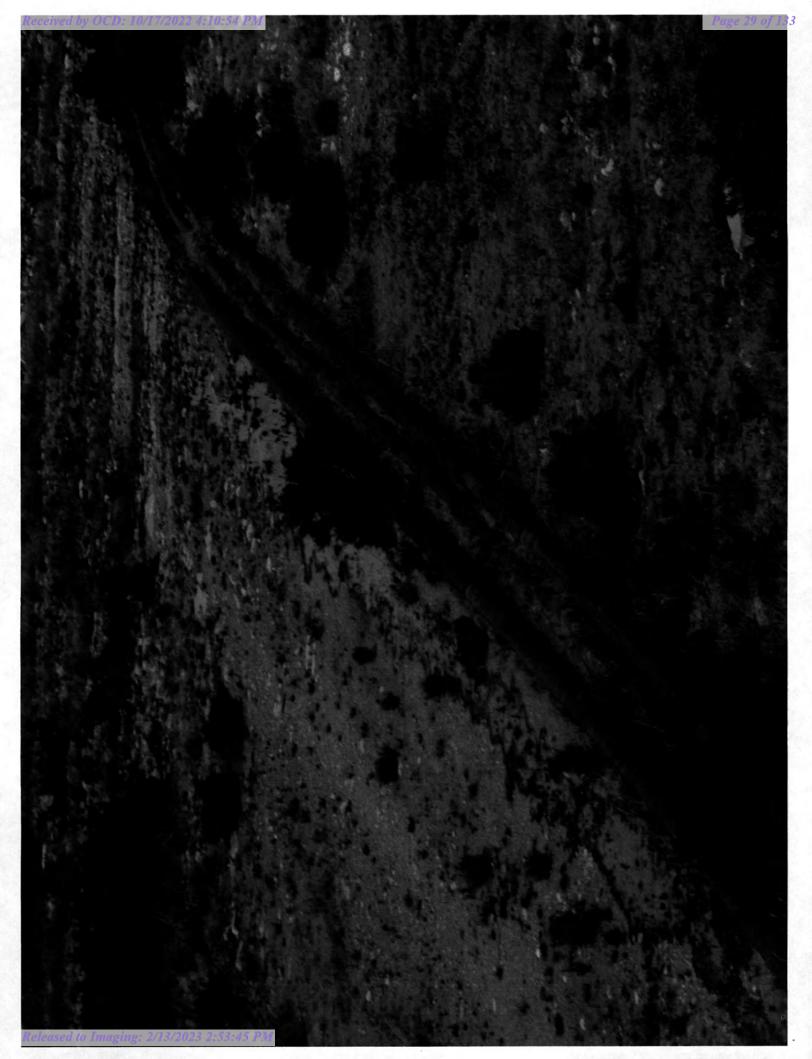
Project Correspondence Sheet

Field Office Reimbursement Proposal
OK NM TX Other

Date:	Time:	Project Manager:											
Project Number:													
Project Name: Right Hand Canyon 35-2													
Topic:													
Notes:													
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Document must be Pre	epared by:												
filed in Project File													











JAN 1 9 2011
NMOCD ARTESIA

Closing Report

Righthand Canyon 35-1

Release Date: 4-30-10

API No. 3001526126

Eddy County, NM

Submitted by Kelton Beaird HES Specialist Oxy MidCon SW Carlsbad, NM

Table of Contents

Summary

Final C-141

Initial Spill Pics

Final Pictures

On April 30, 2010 Oxy reported a release of Crude Oil and Produced Water in the amount of 20 barrels. Of these 20 barrels 5 barrels were recovered. Talon LPE was dispatched to delineate this site at the time of the spill. During delineation, hard rock was met and no further samples were able to be taken. A proposal was sent in for a cosmetic clean-up of removing the surface and backfilling with clean like material. This work was performed. All material was taken to Lea Land for disposal and clean like material was brought in for backfill. Initial spill pictures and final pictures are attached to this document

Thanks,

Kelton Beaird HES Spec. Oxy Mid-Con SW Carlsbad, NM 575-390-1903 District I 1625 N. French Dr., Hobbs, NM 88240 District II

District III

District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

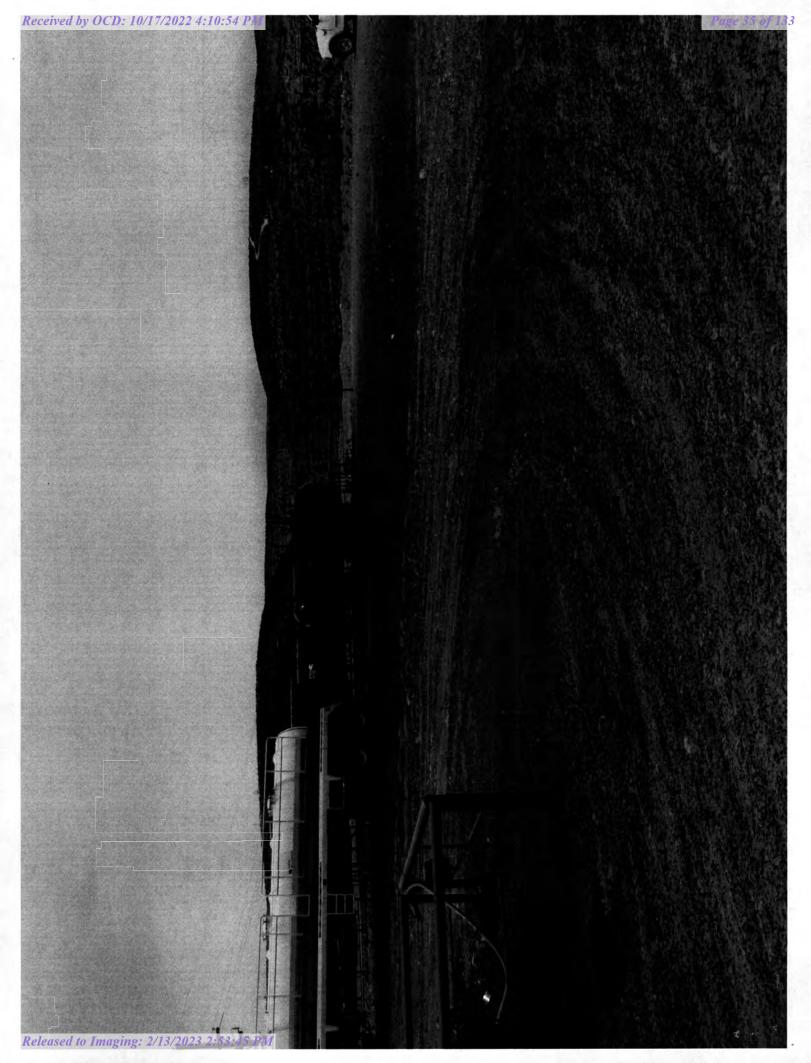
State of New Mexico **Energy Minerals and Natural Resources**

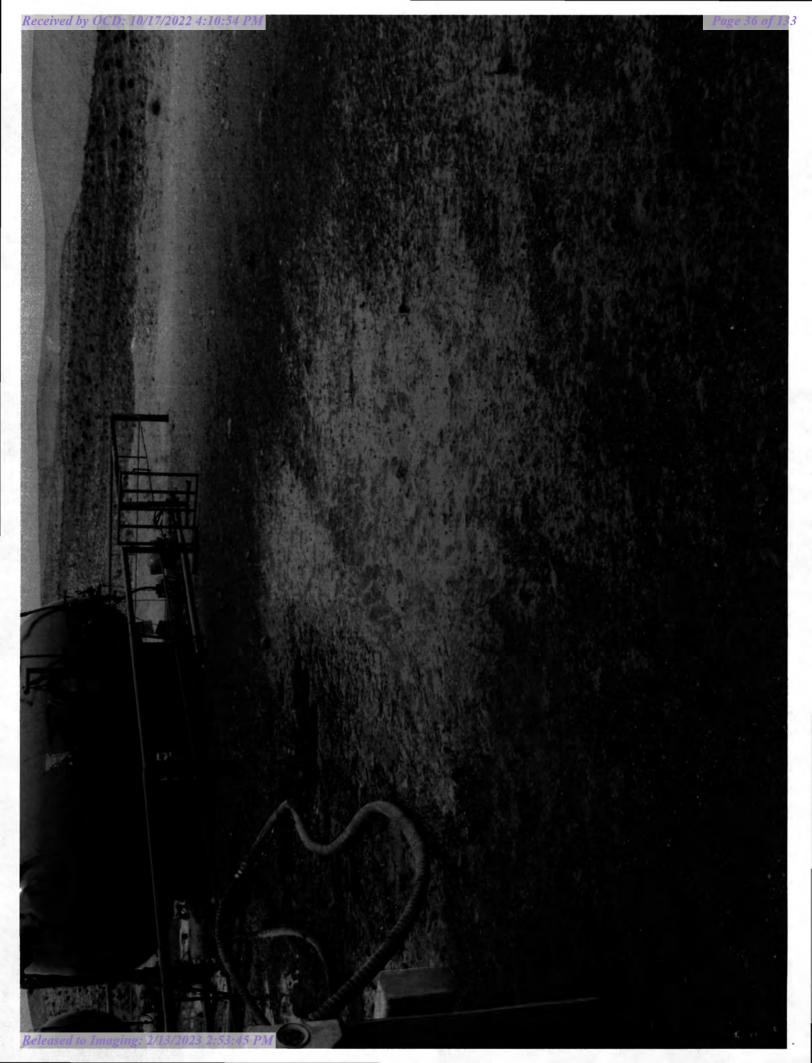
Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

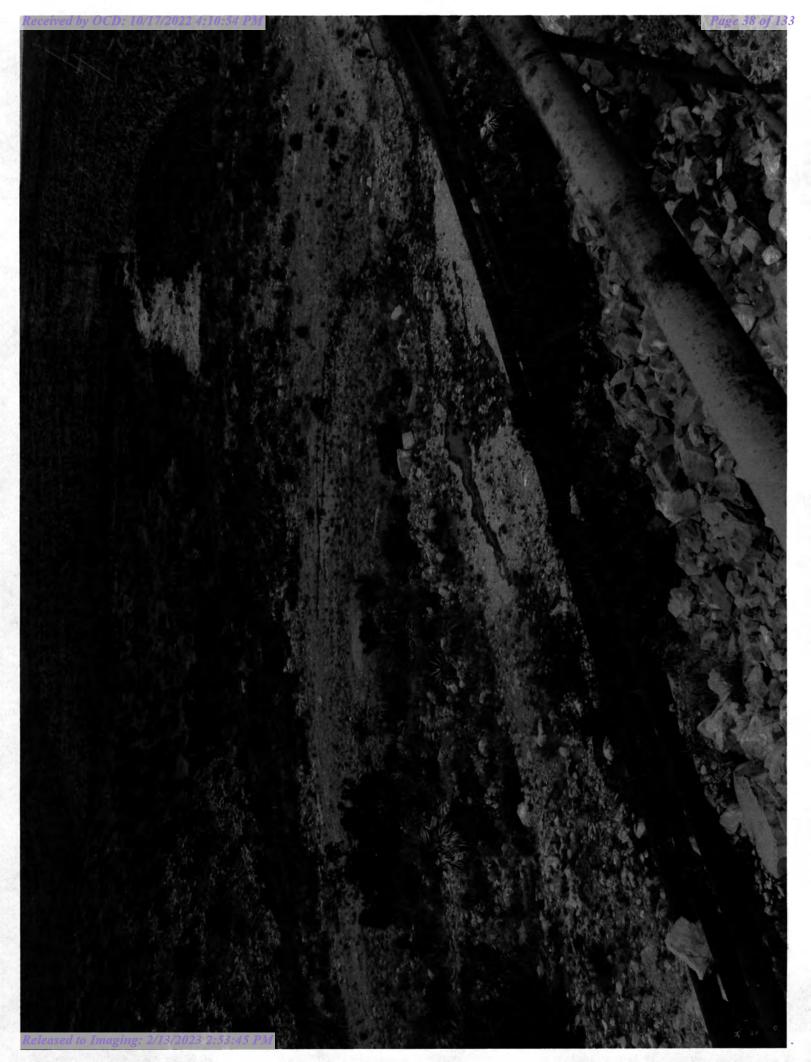
Form C-141 Revised October 10, 2003

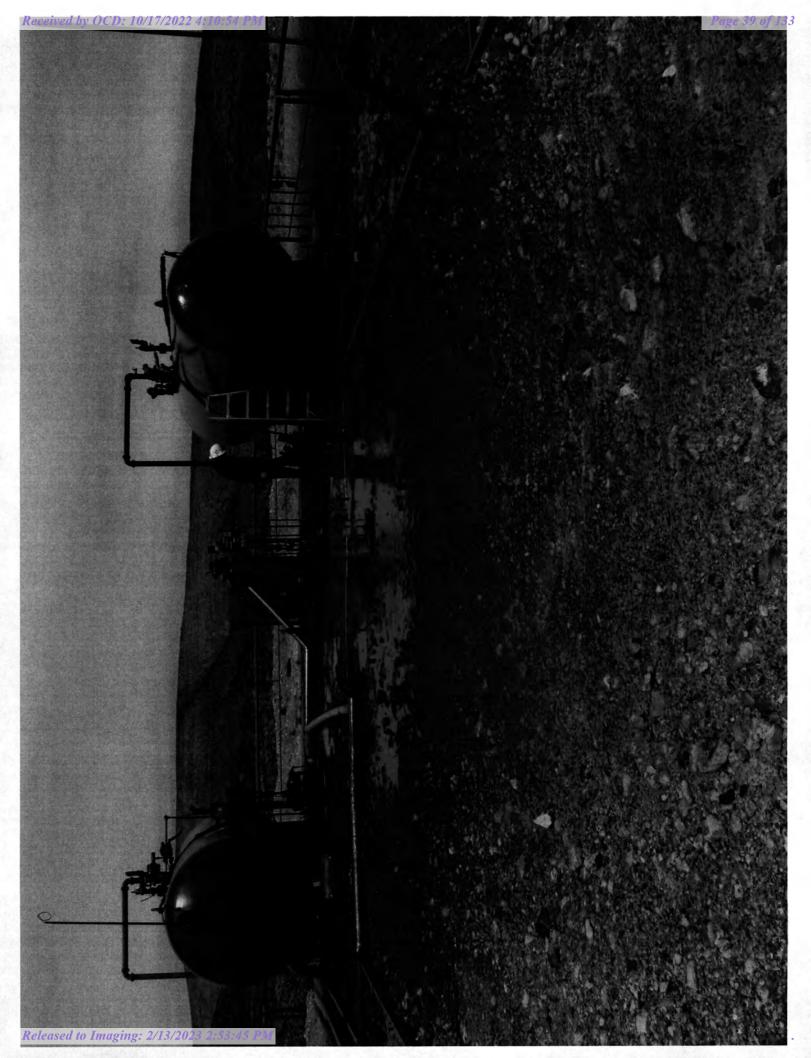
Release Notification and Corrective Action													
						OPERATOR						Final Report	
Name of Company OXY USA						Contact Kelton Beaird							
		nmerce Carls		No. (O) 575-628	<u>8-4100</u>								
Facility Nar	ne Rightl	Facility Typ	e Gas Well										
Surface Ow	ner BLM			Mineral C	wner	BLM		**	Lease 1	No. 300152	26126		
				LOCA	\TIO	N OF REI	LEASE						
Unit Letter	Section	Township	Range	Feet from the					West Line				
L	35	218	24E										
			La	titude	•	Longitud	le					•	
Type of Rele	ase Oil/Pro	oduced Water		141 %	UICI		Release 15 oil,	5	Volume 1	Recovered	5 bbls.		
Source of Re	lease Gas l	ine from Hori	zontal Ve	ssel		Date and H	lour of Occurrence	ce	Date and 4-30-10 (Hour of Dis	scovery	,	
Was Immedia	ate Notice (Yes 🗌	No 🛛 Not Re	quired	If YES, To	Whom?					!	
By Whom?						Date and H	Iour See above						
Was a Water	course Read		Yes [] No		If YES, Volume Impacting the Watercourse.							
Describe Cau	If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken. Stainless steel gas supply line broke. The vessel failed to dump causing the vessel to fill with oil.												
		and Cleanup A		cen.* ved and replaced v	with clo	ean-like materi	al.			· ,			
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.													
Signature: Printed Name: Kelton Beaird							OIL CONSERVATION DIVISION Approved by District Supervisor:						
Title: HES S				$\overline{\mathcal{T}}$		Approval Date: Expiration		Date:					
E-mail Addre	ess: kelton	Conditions of Approval:											
Date: 12-21-	·10												

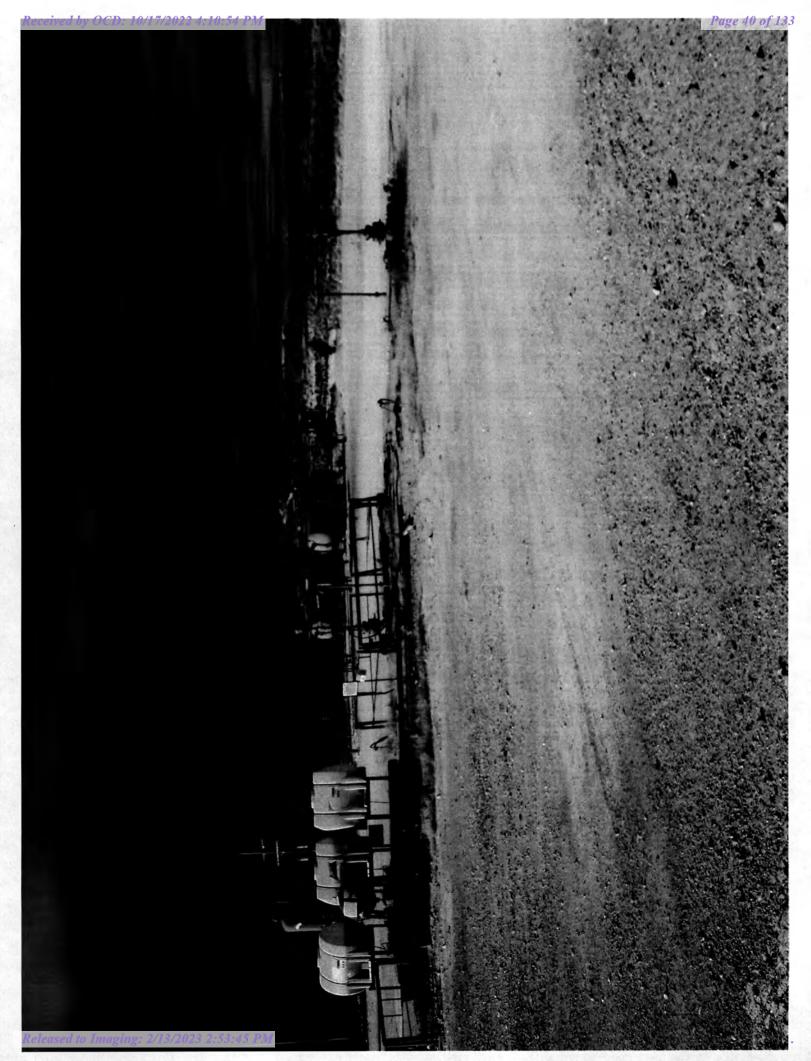


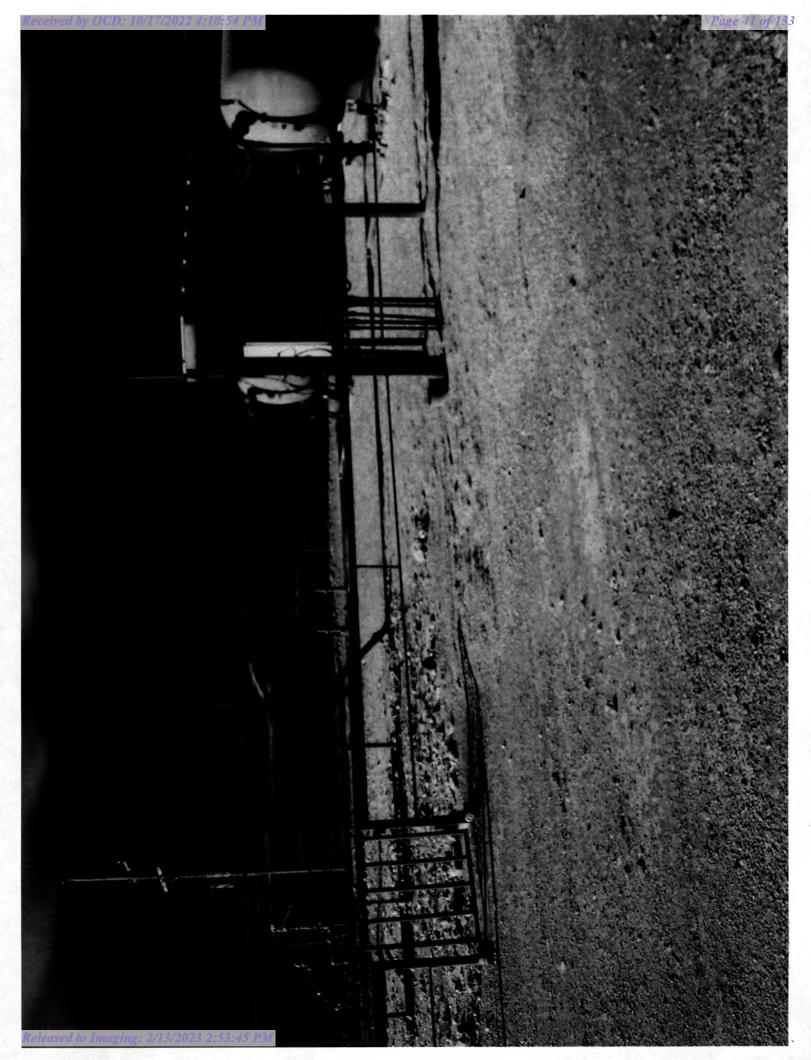




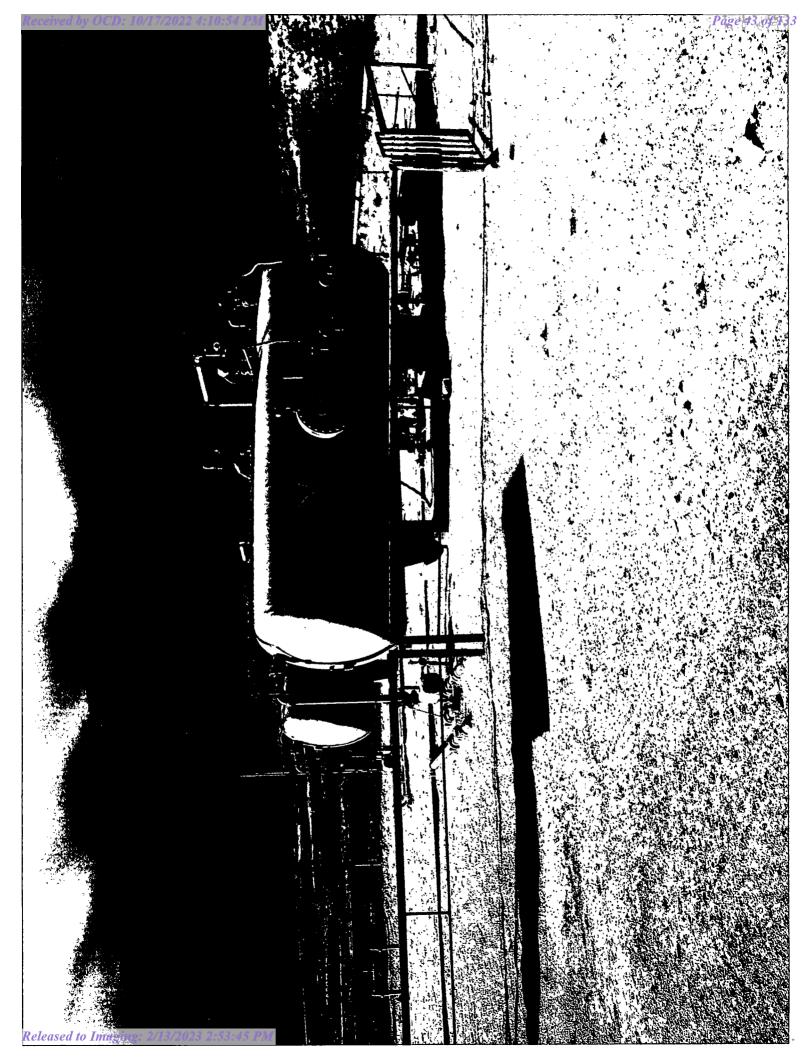












Form C-141

District I 1625 N. French Dr., Hobbs, NM 88240 District II
1301 W. Grand Avenue, Artesia, NM 88210 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico **Energy Minerals and Natural Resources**

Oil Conservation Division 1220 South St. Francis Dr. Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back

1220 S. St. F181		a re, NW 6750.	,	S	anta F	e, NM 875	505					side of form
			Rel	ease Notifi	catio	n and Co	orrective A	ction				
						OPERA	TOR		☐ Initi	al Report	\boxtimes	Final Repo
Name of Co						Contact Ke	lton Beaird					
		nmerce Carl		1 88220		Telephone l	No. (O) 575-62	8-4100				
Facility Na	me Right	hand Canyor	1 35-1			Facility Typ	e Gas Well					
Surface Ow	ner BLM	·		Mineral (Owner	BLM			Lease 1	No. 300152	6126	
				LOCA	ATIO	N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North	/South Line	Feet from the	East/V	Vest Line	County	_	
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			La	titude		Longitud	le					
				NAT	TIRE	OF REL	EASE					
Type of Rele	ase Oil/Pro	oduced Water			CIG	Volume of	Release 15 oil,	5	Volume I	Recovered	5 bbls.	
Source of Re	looga Gas li	ing from Ugri	zontal Voc			water (barr	els) Iour of Occurrence		Data and	Hour of Dis		
Source of Re	lease Gas II	me nom mon	ZOIILZI VC						4-30-10 @		COVERY	
Was Immedia	ate Notice C		Yes 🔲	No 🛛 Not Re	quired	If YES, To	Whom?					
By Whom?						Date and H	lour See above					رو ريسيجون رسوي
Was a Water	course Reac	hed?	Yes 🔲	No		If YES, Vo	lume Impacting	the Wate	rcourse.			
If a Watercou	rse was Imi	pacted Descri	be Fully.*			<u> </u>						
	•	•	•									
Describe Cau	se of Proble	m and Remed	lial Action	Taken.								
Stainless steel	l gas supply	line broke. T	he vessel	failed to dump ca	ausing tl	he vessel to fil	l with oil.					
Describe Area	Affected a	nd Cleanup A	ction Take	en.*								
Due to hard ro	ock the surfa	ace material w	as remove	ed and replaced w	vith clea	n-like materia	1.					
I hereby certif	v that the in	formation giv	en above	is true and compl	ete to ti	ne best of my l	cnowledge and u	nderstand	1 that pursu	ant to NMC)CD ru	les and
regulations all	operators a	re required to	report and	d/or file certain re	elease n	otifications an	d perform correct	tive actic	ons for rele	ases which i	may en	danger
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				investigate and re ance of a C-141,								
federal, state,					7							
			X	• /			OIL CONS	SERVA	ATION I	<u>DIVISIO</u>	<u>N</u>	
Signature:	1/8		/ \ _		-]]				Acce	pted for	recoi	rd .
	The state of the s			X	\mathcal{I}	Approved by I	District Supervise	or:		NMOCE) 5	118/15
Printed Name:	Kelton Be	aird					•					7 - 7 - 7 - 7
Title: HES Sp	pecialist					Approval Date			cpiration D			
E-mail Addres	s: kelton b	eaird@oxy.co	om		1	Conditions of A	Approval: 5	te	Kan	k.15	_	
Date: 12-21-1		,				م	Donce	•		Attached	Ц	
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alama I to T		12/2022 2 5	2.45 DE4	ZRP-	728	To Re	main O	pen	unki	Contin	Mak	247
Released to In	aging: 2/	15/2025 2:5	5:43 PM	84	imp	on supp	main o	4 0	CD			



APPENDIX C

Photographic Documentation



View of the release area, facing southwest.



View of the release area, facing northwest.



View of the release area, facing northwest.



View of the excavated release area, facing southeast.



APPENDIX D

Tables

						TABLE 1						
						LE ANALYTIC						
					Righ	nt Hand Canyo						
					=144	Oxy USA Inc						
						County, New I						
						Total	Total				Total TPH	
Sam ple	Date	Depth	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH GRO	TPH DRO	TPH MRO	(GRO+DRO+MRO)	Chloride
Designation	Dute	(feet bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
New Mexico Oil	Conservation	Division Closure				(3 3)	(3 3)				(3 3)	
	Soils Impacted		10	NE	NE	NE	50	NE	NE	NE	100	600
	(≤ 50 feet)											
					Pothole	Sample Analytic	al Results					
PH-1	4/11/2022	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
	4/11/2022	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
PH-2	4/11/2022	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
PH-3	4/11/2022	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
		1.5 0.5	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	64.0 16.0
PH-4	4/11/2022	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
		0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
PH-5	4/11/2022	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
PH-6	4/11/2022	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
		2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
PH-7	4/11/2022	3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
		0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
PH-8	4/11/2022	3.5	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	160
	4/11/2022	0.5	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	32.0
PH-9	4/11/2022	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	917	469	1,386	48.0
	4/26/2022	2.5			NS			<10.0	43.9	45.7	89.6	NS
PH-10	4/11/2022	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	306	170	476	32.0
11110	4/11/2022	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
PH-11	4/11/2022	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
		1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
PH-12	4/11/2022	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16.0
		1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
PH-13	4/11/2022	0.5 3.5	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0	<10.0 <10.0	<16.0 64.0
		0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0 <10.0	<10.0	32.0
PH-14	4/11/2022	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
		0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.7	<10.0	10.7	32.0
PH-15	4/11/2022	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
			40.000	40.000		Sample Analytica		410.0	410.0	410.0	410.0	00
	4/13/2022	0,5	<0.050	<0.050	< 0.050	<0.150	< 0.300	10.9	1,820	1,100	2,931	48.0
FS-1	4/26/2022	2			NS			<10.0	73.2	40.7	114	NS
	6/28/2022	2			NS			<10.0	<10.0	<10.0	<10.0	NS
	4/13/2022	0.5	<0.050	<0:050	<0.050	<0.150	<0.300	<10.0	1,020	739	1,759	16.0
FS-2	4/26/2022	2			NS			<10.0	257	134	391	NS
	6/28/2022	2			NS			<10.0	<10.0	<10.0	<10.0	NS
FS-3	4/13/2022	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	11.9	2,260	1,260	3,532	<16.0
	4/26/2022	2		1	NS		1	<10.0	42.6	43.9	86.5	NS
	4/13/2022	0.5	<0.050	<0.050	<0.050	<0.150	<0.300	25.5	6,380	3,000	9,406	32.0
=	4/26/2022	2			NS			<10.0	338	155	493	NS
FS-4	6/28/2022	2			NS			<10.0	143	76.7	220	NS
	8/9/2022	2			NS NS			<10.0	1,580	578	2,158	NS NC
	9/2/2022	2	0.050		NS 0.050	0.450		<10.0 <10.0	52.7	22.8 2,170	75.5	NS 46.0
FS-5	4/13/2022 4/26/2022	0.5 4	<0.050	<0.050	<0.050 NS	<0.150	<0.300	<10.0 <10.0	6,920 405	2,170	9,090 667	<16.0 NS
FO-0	6/28/2022	4	<u> </u>	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	NS NS	<u> </u>		<10.0	31.2	18.6	49.8	NS
	0/20/2022	. 4	l		INO			<10.0	31.2	10.0	43.0	INO

Received by OCD: 10/17/2022 4:10:54 PM



						TABLE 1						
					SOIL SAMP	LE ANALYTIC	AL RESULTS					
						t Hand Canyo						
					3	Oxy USA Inc						
					Eddy	County, New	Mexico					
						Project No. 0						
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	10	NE	NE	NE	50	NE	NE	NE	100	600
	(≤ 50 feet)											
					Sidewall	Sample Analytic	cal Results					
N-SW-1	4/26/2022	0 - 4			NS			<10.0	137	74,7	212	NS
14-344-1	6/28/2022	0 - 4			NS			<10.0	27.8	15.0	42.8	NS
	4/26/2022	0 - 2			NS .			<10.0	479	283	762	NS
N-SW-2	6/28/2022	0-2			NS			<10.0	84.1	81.8	166	NS
	8/9/2022	0 - 2			NS			<10.0	<10.0	<10.0	<10.0	NS
	4/26/2022	0-4			NS			<10.0	234	129	363	NS
E-SW-1	6/28/2022	0 - 4			NS .			<10.0	436	380	816	NS .
	8/9/2022	0 - 4			NS			<10.0	<10.0	<10.0	<10.0	NS
	4/26/2022	0-2			NS			<10.0	162	114	276	NS
E-SW-2	6/28/2022	0-2			NS			<10.0	80.8	35.1	116	NS
20112	8/9/2022	0-2			NS			<10.0	150	76.1	226	NS
	9/2/2022	0 - 2	<u> </u>	 	NS	 	 	<10.0	<10.0	<10.0	<10.0	NS
	4/26/2022	0 - 4			NS			<10.0	240	151	391	NS
S-SW-1	6/28/2022	0 - 4			NS			<10.0	118	102	220	NS
	8/9/2022	0 - 4			NS			<10.0	<10.0	<10.0	<10.0	NS
S-SW-2	4/26/2022	0-2			NS.			<10.0	485	268	753	NS NS
	6/28/2022	0 - 2			NS NS			<10.0	23.9	<10.0	23.9	NS
W-SW-1	4/26/2022	0-4			NS			<10.0	269	188	457	NS
	6/28/2022	0 - 4			NS			<10.0	<10.0	<10.0	<10.0	NS
W-SW-2	4/26/2022	0-2			NS NS			<10.0	1,550	1,170	2,720	NS
	6/28/2022	0 - 2			NS			<10.0	<10.0	<10.0	<10.0	NS

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

Over Ecavated and/or Re-Sampled 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



APPENDIX E

Laboratory Data Sheets and Chain-of-Custody Documentation



April 19, 2022

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: RIGHT HAND CANYON

Enclosed are the results of analyses for samples received by the laboratory on 04/13/22 13:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/19/2022

Project Name: RIGHT HAND CANYON

Project Number: 03B1417038

Project Location: OXY -

Sampling Date: 04/11/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: PH - 1 0.5' (H221550-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.14	107	2.00	1.63	
Toluene*	<0.050	0.050	04/19/2022	ND	2.13	107	2.00	0.906	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.13	106	2.00	1.64	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.62	110	6.00	1.55	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/19/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	204	102	200	4.73	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	194	96.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	93.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	95.3	% 59.5-14	2						

Applyand By MC

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Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/19/2022

Project Name: RIGHT HAND CANYON

Project Location: OXY -

03B1417038 Project Number:

Sampling Date: 04/11/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: PH - 1 1' (H221550-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.14	107	2.00	1.63	
Toluene*	<0.050	0.050	04/19/2022	ND	2.13	107	2.00	0.906	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.13	106	2.00	1.64	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.62	110	6.00	1.55	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/19/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	204	102	200	4.73	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	194	96.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	79.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	83.2	% 59.5-14	2						

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Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/19/2022

Project Name: RIGHT HAND CANYON Project Number: 03B1417038

Project Location: OXY - Sampling Date: 04/11/2022

Sampling Type: Soil Sampling Condition:

Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: PH - 2 0.5' (H221550-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.14	107	2.00	1.63	
Toluene*	<0.050	0.050	04/19/2022	ND	2.13	107	2.00	0.906	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.13	106	2.00	1.64	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.62	110	6.00	1.55	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/19/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	204	102	200	4.73	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	194	96.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	92.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.1	% 59.5-14	2						

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04/11/2022

Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Sampling Date:

Reported: 04/19/2022 Sampling Type: Soil

Project Name: RIGHT HAND CANYON Sampling Condition: Cool & Intact 03B1417038 Sample Received By: Project Number: Tamara Oldaker

Project Location: OXY -

Sample ID: PH - 2 1' (H221550-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.14	107	2.00	1.63	
Toluene*	<0.050	0.050	04/19/2022	ND	2.13	107	2.00	0.906	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.13	106	2.00	1.64	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.62	110	6.00	1.55	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/19/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	204	102	200	4.73	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	194	96.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	81.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	87.4	% 59.5-14	2						

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Celeg D. Freene



Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/19/2022

Project Name: RIGHT HAND CANYON

Project Number: 03B1417038

Project Location: OXY - Sampling Date: 04/11/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: PH - 3 0.5' (H221550-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.38	
Toluene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.02	101	2.00	1.95	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	2.95	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/19/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	204	102	200	4.73	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	194	96.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	68.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	73.6	% 59.5-14	2						

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Celey D. Keine



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/19/2022

Project Name: RIGHT HAND CANYON

Project Number: 03B1417038 Project Location: OXY - Sampling Date: 04/11/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: PH - 3 1.5' (H221550-06)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.38	
Toluene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.02	101	2.00	1.95	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	2.95	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/19/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	204	102	200	4.73	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	194	96.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	87.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.4	% 59.5-14	2						

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Celey & Keene



04/11/2022

Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022

Reported: 04/19/2022 Sampling Type: Soil

Project Name: RIGHT HAND CANYON Sampling Condition: Cool & Intact
Project Number: 03B1417038 Sample Received By: Tamara Oldaker

Sampling Date:

Project Location: OXY -

Sample ID: PH - 4 0.5' (H221550-07)

BTEX 8021B	mg	/kg	Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.38	
Toluene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.02	101	2.00	1.95	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	2.95	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/19/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	204	102	200	4.73	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	194	96.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	85.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.2	% 59.5-14	22						

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Celey & Keene



04/11/2022

Soil

Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/19/2022

Project Name: RIGHT HAND CANYON Sampling Condition: Cool & Intact
Project Number: 03B1417038 Sample Received By: Tamara Oldaker

Sampling Date:

Sampling Type:

Project Location: OXY -

Sample ID: PH - 4 1' (H221550-08)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.38	
Toluene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.02	101	2.00	1.95	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	2.95	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/19/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	204	102	200	4.73	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	194	96.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	73.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	76.1	% 59.5-14	2						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/19/2022

Project Name: RIGHT HAND CANYON

Project Number: 03B1417038 Project Location: OXY -

Sampling Date: 04/11/2022 Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Tamara Oldaker

Sample ID: PH - 5 0.5' (H221550-09)

BTEX 8021B	mg,	'kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.38	
Toluene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.02	101	2.00	1.95	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	2.95	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/19/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	204	102	200	4.73	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	194	96.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	99.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	101	% 59.5-14	2						

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/19/2022

Project Name: RIGHT HAND CANYON Project Number: 03B1417038

Project Location: OXY -

Sampling Date: 04/11/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: PH - 5 1' (H221550-10)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.38	
Toluene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.02	101	2.00	1.95	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	2.95	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/19/2022	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	04/19/2022	ND	204	102	200	4.73	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	194	96.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	77.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	80.3	% 59.5-14	22						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/19/2022

Project Name: RIGHT HAND CANYON

Project Number: 03B1417038

Project Location: OXY -

Sampling Date: 04/11/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: PH - 6 0.5' (H221550-11)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.38	
Toluene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.02	101	2.00	1.95	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	2.95	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/19/2022	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	04/19/2022	ND	204	102	200	4.73	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	194	96.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	81.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	82.8	% 59.5-14	2						

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04/11/2022

Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022

Reported: 04/19/2022 Sampling Type: Soil

Project Name: RIGHT HAND CANYON Sampling Condition: Cool & Intact
Project Number: 03B1417038 Sample Received By: Tamara Oldaker

Sampling Date:

Project Location: OXY -

Sample ID: PH - 7 2' (H221550-12)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.38	
Toluene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.02	101	2.00	1.95	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	2.95	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	04/19/2022	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	04/19/2022	ND	204	102	200	4.73	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	194	96.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	80.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	82.8	% 59.5-14	2						

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Celey D. Keine



Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/19/2022

Project Name: RIGHT HAND CANYON

Project Number: 03B1417038 Project Location: OXY -

Sampling Date: 04/11/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: PH - 7 3.5' (H221550-13)

BTEX 8021B	mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.38	
Toluene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.02	101	2.00	1.95	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	2.95	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/19/2022	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	04/19/2022	ND	204	102	200	4.73	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	194	96.9	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	72.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	74.3	% 59.5-14	2						

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04/11/2022

Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Sampling Date:

Reported: 04/19/2022 Sampling Type: Soil
Project Name: RIGHT HAND CANYON Sampling Condition: Cool & Intact

Project Number: 03B1417038 Sample Received By: Tamara Oldaker

Project Location: OXY -

Sample ID: PH - 8 0.5' (H221550-14)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.38	
Toluene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.02	101	2.00	1.95	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	2.95	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/19/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	247	123	200	3.95	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	182	90.9	200	5.87	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	84.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	95.8	% 59.5-14	22						

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Celey D. Keine



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/19/2022

Project Name: RIGHT HAND CANYON
Project Number: 03B1417038

Project Location: OXY -

Sampling Date: 04/11/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: PH - 8 3.5' (H221550-15)

BTEX 8021B	mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.38	
Toluene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.02	101	2.00	1.95	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	2.95	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/19/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	247	123	200	3.95	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	182	90.9	200	5.87	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	80.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	89.7	% 59.5-14	2						

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/19/2022

Project Name: RIGHT HAND CANYON

Project Number: 03B1417038

Project Location: OXY - Sampling Date: 04/11/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: PH - 9 0.5' (H221550-16)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.38	
Toluene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.02	101	2.00	1.95	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	2.95	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/19/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	247	123	200	3.95	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	182	90.9	200	5.87	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	73.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	79.0	% 59.5-14	22						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/19/2022

Project Name: RIGHT HAND CANYON Project Number: 03B1417038

Project Location: OXY -

Sampling Date: 04/11/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: PH - 9 2' (H221550-17)

BTEX 8021B	mg,	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.38	
Toluene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.02	101	2.00	1.95	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	2.95	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/19/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	'kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	247	123	200	3.95	
DRO >C10-C28*	917	10.0	04/19/2022	ND	182	90.9	200	5.87	
EXT DRO >C28-C36	469	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	83.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	113 9	% 59.5-14	2						

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Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/19/2022

Project Name: RIGHT HAND CANYON

Project Number: 03B1417038 Project Location: OXY -

Sampling Date: 04/13/2022 Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS - 1 0.5' (H221550-18)

BTEX 8021B	mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.38	
Toluene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.02	101	2.00	1.95	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	2.95	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.9	10.0	04/19/2022	ND	247	123	200	3.95	
DRO >C10-C28*	1820	10.0	04/19/2022	ND	182	90.9	200	5.87	
EXT DRO >C28-C36	1100	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	96.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	152	% 59.5-14	2						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/19/2022

Project Name: RIGHT HAND CANYON
Project Number: 03B1417038

Project Location: OXY -

Sampling Date: 04/13/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 2 0.5' (H221550-19)

BTEX 8021B	mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS % Rec	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.38	
Toluene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.02	101	2.00	1.95	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	2.95	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	247	123	200	3.95	
DRO >C10-C28*	1020	10.0	04/19/2022	ND	182	90.9	200	5.87	
EXT DRO >C28-C36	739	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	93.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	130	% 59.5-14	2						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/19/2022

Project Name: RIGHT HAND CANYON
Project Number: 03B1417038

Project Location: OXY -

Sampling Date: 04/13/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 3 0.5' (H221550-20)

BTEX 8021B	mg/kg Ana		Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.38	
Toluene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.02	101	2.00	1.95	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	2.95	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.9	10.0	04/19/2022	ND	247	123	200	3.95	
DRO >C10-C28*	2260	10.0	04/19/2022	ND	182	90.9	200	5.87	
EXT DRO >C28-C36	1260	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	95.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	154	% 59.5-14	2						

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Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/19/2022

Project Name: RIGHT HAND CANYON Project Number: 03B1417038

Project Location: OXY - Sampling Date: 04/13/2022

Sampling Type: Soil Sampling Condition:

Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FS - 4 0.5' (H221550-21)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.38	
Toluene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.02	101	2.00	1.95	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	2.95	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	25.5	10.0	04/19/2022	ND	247	123	200	3.95	
DRO >C10-C28*	6380	10.0	04/19/2022	ND	182	90.9	200	5.87	
EXT DRO >C28-C36	3000	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	91.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	254 9	6 59.5-14	2						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Sampling Date: 04/13/2022

Reported: 04/19/2022 Sampling Type: Soil

Project Name: RIGHT HAND CANYON Sampling Condition: Cool & Intact
Project Number: 03B1417038 Sample Received By: Tamara Oldaker

Project Location: OXY -

Sample ID: FS - 5 0.5' (H221550-22)

BTEX 8021B	mg	/kg	Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.38	
Toluene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.02	101	2.00	1.95	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	2.95	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	247	123	200	3.95	
DRO >C10-C28*	6920	10.0	04/19/2022	ND	182	90.9	200	5.87	
EXT DRO >C28-C36	2170	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	86.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	225	% 59.5-14	2						

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Notes and Definitions

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

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.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: ENS	ENSOLUM		١			BILL TO			1		B	ANALYSIS REC	REQUEST
Project Manager: REAG	BEAUX JENNINGS				P.O. #:					+	1	_	
Address: 705 W WADLEY	AVE, SWITE	240			Company:	ny: OXY USA	A INC.			_	_		
City: MIDLAND	Stat	State: 7x	Zip:	79705	Attn: WADE	IADE DIFFEICH	X					_	
Phone #: (2/6) 2/9-8858	856 Fax #:				Address:	5:				_			
Project #: 0381417030		Project Owner:	a		City:					_			
Project Name: RICHT HAWD	CANYON				State:	Zip:				_			
Project Location:					Phone #	Phone #: (575) 390-	2828)		_	
Sampler Name: GILBERT	PET MORENO				Fax #:)		00			
FOR LAB USE ONLY			MP.	MATRIX		PRESERV. SAM	SAMPLING	15 M		C45			
Lab I.D.	Sample I.D.	GA]	(G)RAB OR (C)OMI	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL	OTHER:	TIME	TAM (8013	BTEX	CHLORIDES (
_	1-H4	0.5'	_	7		-		1	1	1	1		
	PH-1	11	0	-		-	14:02	-	-	-			
w	P41-2	0.51	0	-		_	14:03						
	PH-2	1	0				14:05						
	€-H4	0.5'	0	-			14:07						
6	₽H-9	121	0	-		_	14:10						
7 41	PH-4	0.5	C	-		_	14:15						
N N	PH-4	11	0	-	<		14:20						
	5	0.51	0	-	9	_	14:25						
S-H4 01	ं	1.	0		4	1	14:30	4	•	1			
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Relinquished By:	Date:	Pate 13-22	Rec	3	5		Verbal Result: All Results are	ult: [☐ Yes	☐ No Please pro	Add'I	Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: All Results are emailed. Please provide Email address:	
(Star)	Time:	505	8	James	a Alla	lable	BJENNINGS@	NES	MAG	ENSOLUM.	com	111	DITTRICH
Relinquished By:	Date:		Rec	Received By:		1	REMARKS:						
Delivered By: (Circle One)		emp, °C	1.1	-		CHECKED BY:	Turnaround Time:	Time:	700	Standard	1	Bacteria (only)	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	her: Corrected Temp. °C 0.6	emp. °C	0.6	Yes Yes	No.	(Initials)	Thermometer ID #113 Correction Factor -0.5°C	ID #113 ctor -0.5°	17.7	i i		☐ Yes ☐ Yes ☐ No ☐ No	Corrected Temp. °C

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

Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Company Name: ENSOLUM	BILL TO	ANALYSIS DECLIEST
	At amount	האחרוטוט ההעטרטו
Project Manager: BEAUX JENNINGS	P.O. #:	
Address: POS N WARLEY AVE, SUITE 240	Company: OXY USA INC	
City: MIDLAND State: TX Zip: 79765	Attn: WADE CAMEICH	
Phone #: (2/0)2/9-8858 Fax #:	Addison	

company ivalia.	ENSOLUM			BILL TO	9			AN	ANALYSIS REC	REQUEST	
Project Manager:	Project Manager: BEAUX JENNINGS			P.O. #:		_	\dashv		-		1
Address: 705	705 N WADLEY AVE, SUITE	TE 240		Company: OXY o	USA INC		_			_	_
City: MIDLAND		State: 7%	Zip: 79765	Attn: WADE CHTELCH	H	_				_	
Phone #: (210)	(210)219-8858	Fax #:		Address:		_	_	_		_	
Project #: 03B	638 1417638	Project Owner:	91:	City:		_	_			_	
Project Name:	PIGHT HAND CANYON	٢		State: Zip:		_		_			_
Project Location:				# (57	0-2828	_	00)	_			
Sampler Name:	CILBERT MORENO			Fax #:		_	50	_			
FOR LAB USE ONLY			MATRIX	ESERV.	SAMPLING)	14				
			ER R			5 M	ES (
Lab I.D. #83/1550	Sample I.D	Gri DEPH	(G)RAB OR (C) # CONTAINERS GROUNDWATE WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	TIME	TPH (801.	CHLORID				
11	PH-6	0.5'	-	< I	-	1	1	1		-	1
100	9-H4		0 1		+	#	\parallel				
	+H+7	2'	0	4-11-22	2 14:40	1	1				
7	t-44	3.5'	C -			7					
14	2-H4	0.5'	0 -		14:50						
St.	8-14	3.51	0		15:00			1			
6	P-49	150	0 -		15:10						
17	p+-9	2'	0 1		15:15						
3	FS-1	0.51	0	4-13-22							
I I	FS-2	0.5'	CII	4	09:15	4	4				
nalyses, All claims including the navious, All claims including the navious. In no event shall Cardia fiftiates or successors arising o	Damages. Cardinal's liability and client's g those for negligence and any other caus rdinal be liable for incidental or consequen g out of or related to the performance of s	exclusive remedy for a e whatsoever shall be tal damages, including stylces hereunder by 0	T-CASE RVI EC. LINDING SIND DAMAGES. CUTCHINTS ISIANLY and client's exclusive tensedy for any claim prising whether based in contract or tort, shall be limited to the amount paid by the client for the nailyses. All claims including those for negligence and any other cause whatsowere shall be deemed wavebundess made in writing and received by Curdinal within 30 days after competion of the applicable harvior. In no event shall Cardinal to liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by filer, this subsidiaries, iffiliates or successors arising out of or related to the performance of services hereunder by Cardinal, repartiess of whether such claim is based upon any of the above stated reasons or otherwise.	or lort, shall be limited to the amount p received by Cardinal within 30 days at ass of use, or loss of profits incurred by is based upon any of the above stated	aid by the dient for the ter completion of the ar client, its subsidiaries, reasons or otherwise	pplicable					1
Calinquished by:)	Pate: 3-22	Received By:	11 1100	Verbal Result:	It: re email	(A)	☐ No Add'I Phone #: Please provide Email address:	Add'I Phone #: de Email address:		Ш
Collinguished By:	0	1305	JUNIORA A	Made W	BJENNINGS @	WES (1	ENSOLUM. COM	6	DIMPLICH	_
Kelinquisned by:	-	Date: Time:	Received By:	1	REMARKS:						
Delivered By: (Circle One)		Observed Temp. °C	-	SH	Turnaround Time:	lime:	Standard	dard P	Bacteria (only)	Bacteria (only) Sample Condition	
Sampler - UPS - Bus - Other:		Corrected Temp. °C	0.6 Pres Pres	A (initials)	Thermometer ID #113	D #113			Cool Intact	Observed Temp. °C	

Relinquished By:

Mon

Time: 305

Received By

incurred by client, its subsidiaries

Verbal Result:

All Results are emailed. Please provide Email address:

□ No

Add'I Phone #:

@ BUSOLUM. COM, WHOE DITTEICH

Date:

Received By:

REMARKS:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. *C
Corrected Temp. *C

Sample Condition
Cool Intact
Yes Yes
No No

(Initials)

Turnaround Time:

Standard

Bacteria (only) Sample Condition

Observed Temp. °C
Corrected Temp. °C

Cool Intact

Thermometer ID #113
Correction Factor -0.5°C

Relinquished By:

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: ENSOLUM		BILL	BILL TO		ANALYSIS REQUEST
Project Manager: BEAUX JENNINGS		P.O. #:		-	
Address: 755 W WADLET AVE,	SUITE 240	Company: OX7 us4 /wc.	7 us4 INC.		
City: MIDLAND	State: 76 Zip: 79705	Attn: WADE CHAPACH	XMP/C#		
Phone #: (2/0)-	Fax #:	Address:			
Project #: 0381417038	Project Owner:	City:			
Project Name: RICHT HAND CANYON	(ov)	State: Zip:	0:	_	
Project Location:		# (390-2828)
Sampler Name: CIBERT NORENO	Vo	Fax#:		_	000
FOR LAB USE ONLY		MATRIX PRESERV.	SAMPLING)	(43
Lab I.D. Sample I.D	G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER	DIL SLUDGE DTHER: ACID/BASE; CE / COOL DTHER:	DATE TIME	TPH (8015 1	CINORIDES
20 5-3	0 1	<	4-13-22 09:20	1	2
21 5-4	0.51 01		52:60	1	\
20 B-5	0.51 61		₩ 09:30	2	,
		1-13-24		1	
	1 mg	1			
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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Page 27 of 27

Page 3

of 3



April 20, 2022

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: RIGHT HAND CANYON

Enclosed are the results of analyses for samples received by the laboratory on 04/13/22 13:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/20/2022

Project Name: RIGHT HAND CANYON

Project Number: 03B1417038

Project Location: OXY -

Sampling Date: 04/11/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: PH - 10 0.5' (H221551-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.38	
Toluene*	<0.050	0.050	04/19/2022	ND	2.10	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.02	101	2.00	1.95	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.31	105	6.00	2.95	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	247	123	200	3.95	
DRO >C10-C28*	306	10.0	04/19/2022	ND	182	90.9	200	5.87	
EXT DRO >C28-C36	170	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	77.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	95.1	% 59.5-14	2						

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Celey D. Keine



04/11/2022

Cool & Intact

Tamara Oldaker

Soil

Sampling Date:

Sampling Type:

Sample Received By:

Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/20/2022

Project Name: RIGHT HAND CANYON Sampling Condition:

Project Number: 03B1417038

Project Location: OXY -

Sample ID: PH - 10 1' (H221551-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2022	ND	1.86	92.8	2.00	12.1	
Toluene*	<0.050	0.050	04/20/2022	ND	1.86	92.9	2.00	12.0	
Ethylbenzene*	<0.050	0.050	04/20/2022	ND	1.76	88.1	2.00	12.1	
Total Xylenes*	<0.150	0.150	04/20/2022	ND	5.50	91.6	6.00	12.0	
Total BTEX	<0.300	0.300	04/20/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	247	123	200	3.95	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	182	90.9	200	5.87	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	85.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.3	% 59.5-14	2						

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Celey D. Keine



Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/20/2022

Project Name: RIGHT HAND CANYON

Project Number: 03B1417038

Project Location: OXY - Sampling Date: 04/11/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: PH - 11 0.5' (H221551-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.13	106	2.00	0.916	
Toluene*	<0.050	0.050	04/19/2022	ND	2.11	106	2.00	1.95	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.11	105	2.00	1.64	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.53	109	6.00	2.03	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	247	123	200	3.95	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	182	90.9	200	5.87	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	84.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	94.1	% 59.5-14	2						

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04/11/2022

Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Sampling Date:

Reported: 04/20/2022 Sampling Type: Soil

Project Name: RIGHT HAND CANYON Sampling Condition: Cool & Intact
Project Number: 03B1417038 Sample Received By: Tamara Oldaker

Project Location: OXY -

Sample ID: PH - 11 1.5' (H221551-04)

BTEX 8021B	mg	/kg	Analyze	ed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.13	106	2.00	0.916	
Toluene*	<0.050	0.050	04/19/2022	ND	2.11	106	2.00	1.95	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.11	105	2.00	1.64	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.53	109	6.00	2.03	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	247	123	200	3.95	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	182	90.9	200	5.87	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	92.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	101	% 59.5-14	22						

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/20/2022

Project Name: RIGHT HAND CANYON

Project Number: 03B1417038 Project Location: OXY -

Sampling Date: 04/11/2022 Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Tamara Oldaker

Sample ID: PH - 12 0.5' (H221551-05)

BTEX 8021B	mg,	/kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.13	106	2.00	0.916	
Toluene*	<0.050	0.050	04/19/2022	ND	2.11	106	2.00	1.95	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.11	105	2.00	1.64	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.53	109	6.00	2.03	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	247	123	200	3.95	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	182	90.9	200	5.87	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	82.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.8	% 59.5-14	2						

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Celey D. Keene



04/11/2022

Soil

Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/20/2022

Project Name: RIGHT HAND CANYON Sampling Condition: Cool & Intact
Project Number: 03B1417038 Sample Received By: Tamara Oldaker

Sampling Date:

Sampling Type:

Project Location: OXY -

Sample ID: PH - 12 1' (H221551-06)

BTEX 8021B	mg,	'kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.13	106	2.00	0.916	
Toluene*	<0.050	0.050	04/19/2022	ND	2.11	106	2.00	1.95	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.11	105	2.00	1.64	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.53	109	6.00	2.03	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	247	123	200	3.95	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	182	90.9	200	5.87	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	90.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	99.7	% 59.5-14	2						

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Celey D. Keine



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/20/2022

Project Name: RIGHT HAND CANYON Project Number: 03B1417038

Project Location: OXY -

Sampling Date: 04/11/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: PH - 13 0.5' (H221551-07)

BTEX 8021B	mg,	'kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.13	106	2.00	0.916	
Toluene*	<0.050	0.050	04/19/2022	ND	2.11	106	2.00	1.95	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.11	105	2.00	1.64	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.53	109	6.00	2.03	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	247	123	200	3.95	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	182	90.9	200	5.87	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	92.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	102	% 59.5-14	2						

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/20/2022

Project Name: RIGHT HAND CANYON
Project Number: 03B1417038

Project Location: OXY -

Sampling Date: 04/11/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: PH - 13 3.5' (H221551-08)

BTEX 8021B	mg	/kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.13	106	2.00	0.916	
Toluene*	<0.050	0.050	04/19/2022	ND	2.11	106	2.00	1.95	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.11	105	2.00	1.64	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.53	109	6.00	2.03	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	247	123	200	3.95	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	182	90.9	200	5.87	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	80.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.6	% 59.5-14	22						

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Celey D. Kreine



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/20/2022

Project Name: RIGHT HAND CANYON

Project Number: 03B1417038

Project Location: OXY -

Sampling Date: 04/11/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: PH - 14 0.5' (H221551-09)

BTEX 8021B	mg,	'kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.13	106	2.00	0.916	
Toluene*	<0.050	0.050	04/19/2022	ND	2.11	106	2.00	1.95	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.11	105	2.00	1.64	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.53	109	6.00	2.03	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	247	123	200	3.95	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	182	90.9	200	5.87	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	82.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	90.7	% 59.5-14	2						

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Celey D. Keine



04/11/2022

Soil

Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/20/2022

Sampling Type: Project Name: RIGHT HAND CANYON Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 03B1417038

Sampling Date:

Project Location: OXY -

Sample ID: PH - 14 2' (H221551-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.13	106	2.00	0.916	
Toluene*	<0.050	0.050	04/19/2022	ND	2.11	106	2.00	1.95	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.11	105	2.00	1.64	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.53	109	6.00	2.03	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	247	123	200	3.95	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	182	90.9	200	5.87	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	80.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.6	% 59.5-14	2						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/20/2022

Project Name: RIGHT HAND CANYON

Project Number: 03B1417038 Project Location: OXY - Sampling Date: 04/11/2022

Sampling Type: Soil Sampling Condition: Cool

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: PH - 15 0.5' (H221551-11)

BTEX 8021B	mg/	kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.13	106	2.00	0.916	
Toluene*	<0.050	0.050	04/19/2022	ND	2.11	106	2.00	1.95	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.11	105	2.00	1.64	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.53	109	6.00	2.03	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	205	102	200	3.31	
DRO >C10-C28*	10.7	10.0	04/19/2022	ND	213	106	200	5.34	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	75.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	77.6	% 59.5-14	2						

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Celey D. Keine



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/13/2022 Reported: 04/20/2022

Project Name: RIGHT HAND CANYON

Project Number: 03B1417038

Project Location: OXY -

Sampling Date: 04/11/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: PH - 15 1' (H221551-12)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2022	ND	2.13	106	2.00	0.916	
Toluene*	<0.050	0.050	04/19/2022	ND	2.11	106	2.00	1.95	
Ethylbenzene*	<0.050	0.050	04/19/2022	ND	2.11	105	2.00	1.64	
Total Xylenes*	<0.150	0.150	04/19/2022	ND	6.53	109	6.00	2.03	
Total BTEX	<0.300	0.300	04/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/19/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2022	ND	205	102	200	3.31	
DRO >C10-C28*	<10.0	10.0	04/19/2022	ND	213	106	200	5.34	
EXT DRO >C28-C36	<10.0	10.0	04/19/2022	ND					
Surrogate: 1-Chlorooctane	93.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.4	% 59.5-14	2						

Applyzod By: MC\

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Celeg & Frence



Notes and Definitions

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

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Freene

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

aboratories 101 East Marland, Hobbs, NM 88240 ARDINAL

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Delivered By: (Circle One) Project Manager: BEANX JENNINGS City: MIDLAND Relinquished By: Project Name: roject #: 038 1417 038 130 R roject Location: FOR LAB USE ONLY mpler - UPS - Bus - Other: Lab I.D. ampier Name: (210) 219-8858 705 WABLEY AVE, SMITE PLICHT HAMD CANYON ENSOLUM (575) 393-2326 FAX (575) 393-2476 GELBERT Sample I.D. 51-Hd SI-R arts assists and diserts asctudies remedy for any dates along whether based in contract or force, aftall be finished by the amount pad by the desert dates for one and any other cause unique overset such or because unique to make and received by a contral within 30 days after completion of the opticable incoderable or consequential demanges, including without finished, business bearing/down, loss of loss, or loss of profits broaders for the policies and or consequential demanges, including without finished including and received by contract of profits broaders and the policies of the policies and the policies and the policies and the policies and the policy of the po mossno Corrected Temp. °C Observed Temp. *C Project Owner: Fax #: 2132 State: 74 Time PEDIT (F) 0.51 240 Zip: (G)RAB OR (C)OMP 8 Received By: # CONTAINERS Sothe GROUNDWATER Cool Intact WASTEWATER Sample Condition MATRIX SOIL OIL SLUDGE P.O. #: Company: OXY USA INC. Fax #: Phone #: (575)390 City: Attn: WADE DETTERCH OTHER: Address: ACID/BASE: PRESERV. ICE / COOL (Initials) - F BILL TO OTHER: 4-11-22 4-11-22 DATE SAMPLING 2828 00:41 16:55 scrate defendate.

Verbal Result: ☐ Yes ☐ No Add'l Phone %:

All Results are emailed. Please provide Email address: TIME Turnaround Time: REMARKS: Correction Factor -0.5°C BJENNINGS @ ENSOLUMICON , WADE (8015 M) TPH BTEX CHIORIDES (4500) 7 Standard ANALYSIS REQUEST Bacteria (only) Sample Condition
Cool Intact Observed Temp. *C

Yes Yes
No Corrected Temp. *C Corrected Temp. *C DIMPICH Page 2 \$ 2



April 29, 2022

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: RIGHT HAND CANYON 35 1

Enclosed are the results of analyses for samples received by the laboratory on 04/26/22 16:23.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/26/2022 Reported: 04/29/2022

Project Name: RIGHT HAND CANYON 35 1

Project Number: 03B1417028

Project Location: OXY - EDDY CO., NM

Sampling Date: 04/26/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS - 1 2' (H221716-01)

TPH 8015M	mg/k	кg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	207	104	200	10.3	
DRO >C10-C28*	73.2	10.0	04/28/2022	ND	223	111	200	3.27	
EXT DRO >C28-C36	40.7	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	92.0 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	113 %	59.5-14	2						

Sample ID: FS - 2 2' (H221716-02)

TPH 8015M	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	207	104	200	10.3	
DRO >C10-C28*	257	10.0	04/28/2022	ND	223	111	200	3.27	
EXT DRO >C28-C36	134	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	85.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	106 9	% 59.5-14	2						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/26/2022 Reported: 04/29/2022

Project Name: RIGHT HAND CANYON 35 1

Project Number: 03B1417028

Project Location: OXY - EDDY CO., NM

Sampling Date: 04/26/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS - 3 2' (H221716-03)

TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	207	104	200	10.3	
DRO >C10-C28*	42.6	10.0	04/28/2022	ND	223	111	200	3.27	
EXT DRO >C28-C36	43.9	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	104 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	123 %	59.5-14	2						

Sample ID: FS - 4 2' (H221716-04)

TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	207	104	200	10.3	
DRO >C10-C28*	338	10.0	04/28/2022	ND	223	111	200	3.27	
EXT DRO >C28-C36	155	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	105 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	133 9	% 59.5-14	2						

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/26/2022 Reported: 04/29/2022

RIGHT HAND CANYON 35 1

Project Name: RIGHT HAND Project Number: 03B1417028

Project Location: OXY - EDDY CO., NM

Sampling Date: 04/26/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS - 5 2' (H221716-05)

TPH 8015M	mg/	kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.0	200	6.50	
DRO >C10-C28*	405	10.0	04/28/2022	ND	184	91.8	200	2.15	
EXT DRO >C28-C36	262	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	91.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	100 9	% 59.5-14	2						

Sample ID: N - SW - 1 0-4' (H221716-06)

TPH 8015M	mg/	kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.0	200	6.50	
DRO >C10-C28*	137	10.0	04/28/2022	ND	184	91.8	200	2.15	
EXT DRO >C28-C36	74.7	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	88.0 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.5	% 59.5-14	2						

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/26/2022 Reported: 04/29/2022

Project Name: RIGHT HAND CANYON 35 1

03B1417028

Project Location: OXY - EDDY CO., NM

Sampling Date: 04/26/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: E - SW - 1 0-4' (H221716-07)

Project Number:

TPH 8015M	mg,	/kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.0	200	6.50	
DRO >C10-C28*	234	10.0	04/28/2022	ND	184	91.8	200	2.15	
EXT DRO >C28-C36	129	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	101	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	101	% 59.5-14	2						

Sample ID: S - SW - 1 0-4' (H221716-08)

TPH 8015M	mg/	'kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.0	200	6.50	
DRO >C10-C28*	240	10.0	04/28/2022	ND	184	91.8	200	2.15	
EXT DRO >C28-C36	151	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	88.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	89.8	% 59.5-14	2						

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Celey D. Keine



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/26/2022 Reported: 04/29/2022

RIGHT HAND CANYON 35 1

Project Location: 03B1417028

Project Location: OXY - EDDY CO., NM

Sampling Date: 04/26/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: W - SW - 1 0-4' (H221716-09)

Project Name:

TPH 8015M	mg/l	kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.0	200	6.50	
DRO >C10-C28*	269	10.0	04/28/2022	ND	184	91.8	200	2.15	
EXT DRO >C28-C36	188	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	90.7%	66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.9%	6 59.5-14	2						

Sample ID: N - SW - 2 0-2' (H221716-10)

TPH 8015M	mg/	kg	Analyze	Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.0	200	6.50	
DRO >C10-C28*	479	10.0	04/28/2022	ND	184	91.8	200	2.15	
EXT DRO >C28-C36	283	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	92.6 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	110 %	6 59.5-14	2						

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Celey & Keene



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/26/2022 Reported: 04/29/2022

Project Name: RIGHT HAND CANYON 35 1

Project Number: 03B1417028

Project Location: OXY - EDDY CO., NM

Sampling Date: 04/26/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: E - SW - 2 0-2' (H221716-11)

TPH 8015M	mg/	'kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.0	200	6.50	
DRO >C10-C28*	162	10.0	04/28/2022	ND	184	91.8	200	2.15	
EXT DRO >C28-C36	114	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	104 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	120 9	% 59.5-14	2						

Sample ID: S - SW - 2 0-2' (H221716-12)

TPH 8015M	mg/	/kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.0	200	6.50	
DRO >C10-C28*	485	10.0	04/28/2022	ND	184	91.8	200	2.15	
EXT DRO >C28-C36	268	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	103 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	111 9	% 59.5-14	2						

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 04/26/2022 Reported: 04/29/2022

Project Name: RIGHT HAND CANYON 35 1

Project Number: 03B1417028
Project Location: OXY - EDDY CO., NM

Sampling Date: 04/26/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: W - SW - 2 0-2' (H221716-13)

TPH 8015M	mg/k	(g	Analyze	d By: CK/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.0	200	6.50	
DRO >C10-C28*	1550	10.0	04/28/2022	ND	184	91.8	200	2.15	
EXT DRO >C28-C36	1170	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	116 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	258 %	59.5-14	2						

Sample ID: PH - 9 2.5' (H221716-14)

TPH 8015M	mg/kg		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	188	94.0	200	6.50	
DRO >C10-C28*	43.9	10.0	04/28/2022	ND	184	91.8	200	2.15	
EXT DRO >C28-C36	45.7	10.0	04/28/2022	ND					
Surrogate: 1-Chlorooctane	119	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	121	% 59.5-14	2						

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Celey D. Keene



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

ecovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



	EAY (575) 393-2476		
(2/2) 393-2320	TAX (ala) accents	BILL TO	ANALYSIS REQUEST
MICELLE		P.O.#: -	
allayer. Becox	St 49	Company: 0x4 USA	Tine.
	ate: Tx Zip: 79701	Attn: Mide Dittoch	
6	Fax共	Address:	
90E11	Project Owner: - City:	y:	
2	351	State: - Zip: -	1
LA LINE	707	Phone #: (575) 390 -2828	51
F. C.C.C.		Fax #: -	
Sampler Name: Fully Lower	MATRIX	PRESERV. SAMPLING	ING
FOR LAB USE ONLY	2		
Lab I.D. Sample I.D.	AB OR (C)OM NTAINERS UNDWATER TEWATER	D/BASE: / COOL IER :	JPH galnelys
MICEGA	(G)R	ACI	TIME
1	200	< 4 Aby/22	HOS X
Ne de la constante de la const		x 4/26/22	1410 X
H7-12	905	x 4/26/22	H12 X
7-17	T 0- X	4 4 3 6 A	1420 X
1-75. X	0-H C - K	1 4/20/22	M35 X
7 E-SW-1	0-x C-	20/00th >	1430 X
S-SW-1	0-4-0-1	- 4	H35 X
M-5W-1	N-0-H-0	X 1202	140 X
D N-SW-A	√ 2 C X X X X X X X X X X X X X X X X X X	lort, shall be limited to the amount paid	
PLEASE NOTE: Liability and Demages. Cardinal's liability analyses. All claims including those for negligence and an service. In no event shall Cardinal be liable for incidental or	REASE MOTE: Lability and Damages. Cardmall's liability and cereins sourcess convey on any second discovery and part received by Cardmall within 30 days after completion of the appearance washed unless made in writing and received by Cardmall within 30 days after completion of the appearance analyses. All claims including those for negligence and any other cause whiteleower shall be determined washed unless made in writing and received by Cardmal be liable for includenal or consequential damages, including without limitation, business intemptions, loss of use, or loss of upon or loss of the appearance as a subsidiaries.	ceived by Cardinal within 30 days after s of use, or loss of profits incurred by d meand unon any of the above stated res	pperase
affiliates or successors arising out of or related to the performance Relinguished BV:	ymanos of services hereunder by Carbinal, reglardless of inventor score community of the co		Verbal Result:
had the	CHOURS ROOK	ALES?	B jennings @ ensolum. com
Relinquished By:	Date: 1, 2023 Received By:		
Delivered By: (Circle One)	Sar	n CHECKED BY:	Standard A Bacteria (011)/10 Rush Cool Intact Yes Yes
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3,3 0 Yes Yes	700	Correction Factor -0.5°C No No Corrected Temp. °C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

292

101 East Marland, Hobbs, NM 88240

(575) 393-2326 F	575) 393-2326 FAX (575) 393-2476	ANALYSIS REQUEST
Company Name: Employment		- 1
110	17195 P.O.#: V	
Z	St. Stc. 400 Company: C	er USA, Toke
1.dland	State: 1x Zip: 79701	G +1525
le #: c	S	
20 FIHI	Project Owner: - City: -	
Con (State: - 2	Zip: -
on: Eddy Count	Phone #:	(515) 30x-028 (St5)
Kill L	Fax	5
I MIN	MATRIX PRESERV.	SAMPLING
Lab I.D. Sample I.D.	E)RAB OR (C)OME CONTAINERS ROUNDWATER VASTEWATER OIL LUDGE OTHER: CCID/BASE: CCE / COOL OTHER:	DATE TIME
11 6-5W-2) O	4)au/22 1450 X
7		-
,	8.51 C	12002
	NTG 04/20/3	
PLEASE NOTE: Liability and Damages. Cardinal's liability an analyses. All claims including those for negligence and any o	PLEASE NOTE: Lability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligenos and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within 30 days after competion of the applica analyses. All claims including those for negligenos and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within 30 days after competition of the application.	the amount paid by the client for the hin 30 days after completion of the applicable tts incurred by client, its subsidiantes.
affiliates or successors arising out of or related to the perform Relinguished By:	nance of services hereunder by Cardinal, regardless of whether such daim is based upon any of the acros stated in Date: Received By:	All Results are emailed. Please provide Email address:
Relingvished By:	Receiv	REMARKS:
Delivered By: (Circle One)	emp. "C2, % Sample Condition CH	Turnaround Time: Standard B
Sampler - UPS - Bus - Other:	Yes Yes	Correction Factor -0.5°C No No Corrected Temp. °C



June 30, 2022

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: RIGHT HAND CANYON 35 1

Enclosed are the results of analyses for samples received by the laboratory on 06/28/22 13:58.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC **BEAUX JENNINGS** 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 06/28/2022 Reported: 06/30/2022

RIGHT HAND CANYON 35 1 Project Name:

Project Number: 03B1417038

Project Location: OXY - EDDY CO., NM Sampling Date: 06/28/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Shalyn Rodriguez

Sample ID: FS - 1 2' (H222766-01)

TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2022	ND	190	95.1	200	0.929	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	199	99.3	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					
Surrogate: 1-Chlorooctane	75.8	% 43-149)						
Surrogate: 1-Chlorooctadecane	82.1	% 42.5-16	1						

Sample ID: FS - 2 2' (H222766-02)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2022	ND	190	95.1	200	0.929	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	199	99.3	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					
Surrogate: 1-Chlorooctane	69.6	% 43-149)						
Surrogate: 1-Chlorooctadecane	75.8	% 42.5-16	1						

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 06/28/2022 Reported: 06/30/2022

Project Name: RIGHT HAND CANYON 35 1

Project Number: 03B1417038

Project Location: OXY - EDDY CO., NM

Sampling Date: 06/28/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: FS - 4 2' (H222766-03)

TPH 8015M Analyte	mg/kg		Analyzed By: MS						
	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2022	ND	190	95.1	200	0.929	
DRO >C10-C28*	143	10.0	06/29/2022	ND	199	99.3	200	2.23	
EXT DRO >C28-C36	76.7	10.0	06/29/2022	ND					
Surrogate: 1-Chlorooctane	84.3	% 43-149)						
Surrogate: 1-Chlorooctadecane	103 9	% 42.5-16	1						

Sample ID: FS - 5 4' (H222766-04)

TPH 8015M Analyte	mg/kg		Analyzed By: MS						
	Result	Reporting Limit	Analyzed	Method Blank	BS % Recov	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2022	ND	190	95.1	200	0.929	
DRO >C10-C28*	31.2	10.0	06/29/2022	ND	199	99.3	200	2.23	
EXT DRO >C28-C36	18.6	10.0	06/29/2022	ND					
Surrogate: 1-Chlorooctane	79.1	% 43-149)						
Surrogate: 1-Chlorooctadecane	90.6	% 42.5-16	1						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 06/28/2022 Reported: 06/30/2022

Project Name: RIGHT HAND CANYON 35 1
Project Number: 03B1417038

Project Location: OXY - EDDY CO., NM

Sampling Date: 06/28/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: N - SW - 1 0-4' (H222766-05)

TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2022	ND	190	95.1	200	0.929	
DRO >C10-C28*	27.8	10.0	06/29/2022	ND	199	99.3	200	2.23	
EXT DRO >C28-C36	15.0	10.0	06/29/2022	ND					
Surrogate: 1-Chlorooctane	77.6	% 43-149)						
Surrogate: 1-Chlorooctadecane	86.6	% 42.5-16	1						

Sample ID: W - SW - 1 0-4' (H222766-06)

TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2022	ND	190	95.1	200	0.929	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	199	99.3	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					
Surrogate: 1-Chlorooctane	79.9	% 43-149)						
Surrogate: 1-Chlorooctadecane	86.0	% 42.5-16	1						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 06/28/2022 Reported: 06/30/2022

Project Name: RIGHT HAND CANYON 35 1

Project Number: 03B1417038

Project Location: OXY - EDDY CO., NM

Sampling Date: 06/28/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: E - SW - 1 0-4' (H222766-07)

TPH 8015M	mg/l	(g	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2022	ND	190	95.1	200	0.929	
DRO >C10-C28*	436	10.0	06/29/2022	ND	199	99.3	200	2.23	
EXT DRO >C28-C36	380	10.0	06/29/2022	ND					
Surrogate: 1-Chlorooctane	76.6 %	6 43-149)						
Surrogate: 1-Chlorooctadecane	174 %	42.5-16	1						

Sample ID: S - SW - 1 0-4' (H222766-08)

TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2022	ND	190	95.1	200	0.929	
DRO >C10-C28*	118	10.0	06/29/2022	ND	199	99.3	200	2.23	
EXT DRO >C28-C36	102	10.0	06/29/2022	ND					
Surrogate: 1-Chlorooctane	82.5 %	% 43-149	1						
Surrogate: 1-Chlorooctadecane	115 %	6 42.5-16	1						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 06/28/2022 Reported: 06/30/2022

RIGHT HAND CANYON 35 1

Project Name: RIGHT HAND Project Number: 03B1417038

Project Location: OXY - EDDY CO., NM

Sampling Date: 06/28/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: N - SW - 2 0-2' (H222766-09)

TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2022	ND	190	95.1	200	0.929	
DRO >C10-C28*	84.1	10.0	06/29/2022	ND	199	99.3	200	2.23	
EXT DRO >C28-C36	81.8	10.0	06/29/2022	ND					
Surrogate: 1-Chlorooctane	78.7	% 43-149)						
Surrogate: 1-Chlorooctadecane	95.6	% 42.5-16	1						

Sample ID: S - SW - 2 0-2' (H222766-10)

TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2022	ND	190	95.1	200	0.929	
DRO >C10-C28*	23.9	10.0	06/29/2022	ND	199	99.3	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					
Surrogate: 1-Chlorooctane	71.8	% 43-149)						
Surrogate: 1-Chlorooctadecane	81.5	% 42.5-16	1						

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Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 06/28/2022 Reported: 06/30/2022

RIGHT HAND CANYON 35 1

Project Name: RIGHT HAND Project Number: 03B1417038

Project Location: OXY - EDDY CO., NM

Sampling Date: 06/28/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: W - SW - 2 0-2' (H222766-11)

TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2022	ND	190	95.1	200	0.929	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	199	99.3	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					
Surrogate: 1-Chlorooctane	72.0	% 43-149)						
Surrogate: 1-Chlorooctadecane	81.3	% 42.5-16	1						

Sample ID: E - SW - 2 0-2' (H222766-12)

TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2022	ND	180	89.9	200	4.55	
DRO >C10-C28*	80.8	10.0	06/30/2022	ND	193	96.6	200	1.04	
EXT DRO >C28-C36	35.1	10.0	06/30/2022	ND					
Surrogate: 1-Chlorooctane	72.3	% 43-149)						
Surrogate: 1-Chlorooctadecane	86.0	% 42.5-16	1						

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Notes and Definitions

S	-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
Ç	PR-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.
Ç	M-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
N	ID	Analyte NOT DETECTED at or above the reporting limit
R	.PD	Relative Percent Difference
*	*	Samples not received at proper temperature of 6°C or below.
*	**	Insufficient time to reach temperature.
-		Chloride by SM4500Cl-B does not require samples be received at or below 6°C
		Samples reported on an as received basis (wet) unless otherwise noted on report

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

	(575) 393-2326 FA	FAX (575) 393-2476	176											ı	ı						1	1		41	il	1		1		1	1		•		-	,	
Company Name: Ensolum, LLC													_	18		BILL TO			1	ANALYSIS	15	<u>u</u>		급	٦	IS	KEWUESI	1	-	1	-		1			1	-
Project Manager	Project Manager: Beaux Jennings									70	P.O.	*																	_		_				_	1	
Address: 601 N I	Address: 601 N Marienfeld Street, Suite 400	te 400					١.			0	on.	pa	ny	0	×	Company: Oxy USA Inc.			_		_						_		_		_			7	-	2	
City: Midland		State: TX	Zip: 79701	79	701					D	1	5	ad	9	Ħ	Attn: Wade Dittrich													_		_			2		_	11
Phone #: 210-219-8858	9-8858	Fax #:								D	Address:	res	S						_		_								_					9	. 6		
Project #: 0381417038	8501141	Project Owner:								0	City:										_								_					0	3	-	_
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Project Location:	Eddy C	Mom								70	DO.	ne	*	57	2	Phone #: 575-390-2828				_	_								_							-	1
Sampler Name:	SHAME DILL	833								77	Fax #:	*						7/3			_				_				_						1		_
FOR LAB USE ONLY					П	11	₹	MATRIX	- ×	- 1	+	盗	PRESERV.	RV	_	SAMPLING	NG	80	_		_						_		_							ate:	
Lab I.D.	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE		OTHER:	ACID/BASE:	ICE / COOL	OTHER:		DATE	TIME	TPH 8			-		-		_		-	1					Da			Da	
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PLEASE NOTE: Liability a analyses. All claims includ service. In no event shall C	PLEASE NOTE: Lability and Damages. Cordinal's lability and clients exclusive removal or any summaniant in the control of the policiable analyses. All claims including those for negligence and any other cause whathour will be determed valved utless made in willing and received by Cardinal within 30 days after completed or poligience and any other cause whathour will be determed valved utless made in willing to the control of the policiable analyses. All claims in chulding the chulding the control of the control	learis eculatore ramoj (or ary seas a assay mesos anales in willing and received by Cardi cause whatsoover shall be deemed wahed ulbes made in willing and received by Cardi equantial damages, including without limitation, business interruptions, based uses, or and property of the cardinal damages, including without limitation, business interruptions (or and or analysis of the cardinal damages, including without limitation, business interruptions).	e deem	ot limi	ved u	nless busi	mad	in w	illing splior	and and	ecel ss of	use,	Car	dinal s of	with profit	in 30 days after o is incurred by clie above stated reas	ompleton of the a nt, its subsidiaries ons or otherwise.	applicable				1		1	1	1	1	1	1	1		1	1		_	0	1000
affiliates or successors srising Relinquished By:	Relinquished By:	Date: Received By:	70 20	Received By	ive	100	× 5	7	0	À	9	5	5				Verbal Result: Yes No Add'I Phone #: All Results are emailed. Please provide Email address:	ılt: ☐ Yes are emailed. I	. Please pro	Add' Phone #: rovide Email addre	ma	H ac	idre#	SS					1	1 1						UST	1 6 -
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			-)	-	00	Sample Condition	9	9	불	9		오	南	Ä	CHECKED BY:	Turnaround Time:	Time:	Standard			Bac	ter	a (0	3	S	E	ple	00	ndi	Bacteria (only) Sample Condition	° n					
Sampler - UPS - Bus - Other		Corrected Tamp. *(24.0	20		24	* S	Yes Int	Intact ∀	Yes	-		Λ	X	Unitials		Thermometer ID	ID #113	Nusin			Yes Yes	Z @ _		Yes		0 0	Tec	tec	<u>-</u>		Corrected Temp. °C					
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Page 9 of 10

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240

01 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Ensolum, LLC

Company Name: Ensolum, LLC	insolum, LLC			BILL TO	9	A	ANALYSIS REC	REQUEST
Address: 601 N Marienfeld Street, Suite 400	arienfeld Street, S	uite 400		Company: Oxy USA Inc.	Inc			
City: Midland		State: TX	Zip: 79701	Attn: Wade Dittrich				
Phone #: 210-219-8858	8858	Fax #:		Address:		_	_	
Project #: 038	1417038	Project Owner:	er: OXY	City:				
Project Name: R	ight Hand	Canyon		State: Zip:				
Project Location:	Eddy C.			#: 575				
Sampler Name:	SHANE DI	DILLIER		Fax#:				
FOR LAB USE ONLY			MATRIX	PRESERV. SA	SAMPLING /3			
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:	TIME			
+	·Siw-	12450-	C / ×	х	-			
10	- Sw- 2	1.00002	X	X 6-28-22	A 03.21.22			
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		WELL						
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*LEASE NOTE: Liability and Damages. Cardinal's liability malyses. All fairms including those for negligence and any service. In no event shall Cardinal be liable for incidental iffiliates or successors arising out of or related to the perior.	nages. Cardinal's liability and di se for negligence and any other libe liable for incidental or consi of or related to the performance	flent's exclusive remedy for an it cause whatsoever shall be d requental damages, including se of services hereunder by Ca	any claim arising whether based in contract or tort deemed walved unless made in writing and recei g without limitation, business interruptions, loss of Cardinal, regardless of whether such chaim is base	PLEASE NOTE: Lability 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 whatboover shall be deemed walved unless made in writing and received by Cerdinal within 30 days after completion of the applicable service. In no event shall Cardinal be flable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by clearly, its subsidiaries, selficial experiences a writing out of or related to the performance of services hereunded by Cardinal, regardless of whether such claim is based upon a your of the above stack casesom or children.	aid by the client for the fler completion of the applicable / client, its subsidiaries,			
Relinquished By:	1	Date: 6-28-22	Ø) ₽	e t	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	Yes ☐ No Add ed. Please provide E	Add'I Phone #:	
Relinquished By:		Date:	Received By:	0	REMARKS:			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Corrected Temp. °C	Sample Condition Cool Intact Tyes Dives	CHECKED BY:	Turnaround Time: Thermometer ID #113	Standard N	Bacteria (only) Cool Intact	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes



August 12, 2022

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: RIGHT HAND 35 1

Enclosed are the results of analyses for samples received by the laboratory on 08/10/22 9:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

 Received:
 08/10/2022

 Reported:
 08/12/2022

 Project Name:
 RIGHT HAND 35 1

 Project Number:
 03B1417038

Project Location: OXY - EDDY CO., NM

Sampling Date: 08/09/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 4 2' (H223574-01)

TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	196	98.2	200	7.14	
DRO >C10-C28*	1580	10.0	08/11/2022	ND	212	106	200	2.87	QM-07
EXT DRO >C28-C36	578	10.0	08/11/2022	ND					
Surrogate: 1-Chlorooctane	92.3	% 43-149	ı						
Surrogate: 1-Chlorooctadecane	149	% 42.5-16	1						

Sample ID: N - SW - 2 0-2' (H223574-02)

TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2022	ND	196	98.2	200	7.14	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	212	106	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					
Surrogate: 1-Chlorooctane	108	% 43-149)						
Surrogate: 1-Chlorooctadecane	114	% 42.5-16	1						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 08/10/2022

Reported: 08/12/2022
Project Name: RIGHT HAND 35 1
Project Number: 03B1417038

Project Location: OXY - EDDY CO., NM

Sampling Date: 08/09/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: E - SW - 1 0-4' (H223574-03)

TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	196	98.2	200	7.14	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	212	106	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					
Surrogate: 1-Chlorooctane	90.5	% 43-149)						
Surrogate: 1-Chlorooctadecane	99.9	% 42.5-16	1						

Sample ID: E - SW - 2 0-2' (H223574-04)

TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	196	98.2	200	7.14	
DRO >C10-C28*	150	10.0	08/11/2022	ND	212	106	200	2.87	
EXT DRO >C28-C36	76.1	10.0	08/11/2022	ND					
Surrogate: 1-Chlorooctane	86.1	% 43-149)						
Surrogate: 1-Chlorooctadecane	125	% 42.5-16	1						

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Celey D. Keene



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

 Received:
 08/10/2022
 Sampling Date:
 08/09/2022

 Reported:
 08/12/2022
 Sampling Type:
 Soil

Project Name: RIGHT HAND 35 1 Sampling Condition: Cool & Intact
Project Number: 03B1417038 Sample Received By: Tamara Oldaker

Project Location: OXY - EDDY CO., NM

Sample ID: S - SW - 1 0-4' (H223574-05)

TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	196	98.2	200	7.14	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	212	106	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					
Surrogate: 1-Chlorooctane	91.2 9	% 43-149)						
Surrogate: 1-Chlorooctadecane	98.3 9	% 42.5-16	1						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Notes and Definitions

S	-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
Ç	PR-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.
Ç	M-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
N	ID	Analyte NOT DETECTED at or above the reporting limit
R	.PD	Relative Percent Difference
*	*	Samples not received at proper temperature of 6°C or below.
*	**	Insufficient time to reach temperature.
-		Chloride by SM4500Cl-B does not require samples be received at or below 6°C
		Samples reported on an as received basis (wet) unless otherwise noted on report

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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 whistoever 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 is 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.

Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 6 of 6



Relinquished By:	0 10	Sheller	L-ASE MOTE: Labelity and Damages. Cardinal's liability and client's exclusive remote) for any claim asing whether based in contract or tort, shall be limited to the amount patch by the client for the analyses. All claims including those for registence and any other cause whather whether which unless made in writing and received by Cardinal which 30 days after completion of the explicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by claims, its subsidiaties, artificiate 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 resource or otherwise.				U	. ,		~	2	1	Lab I.D. H223574	Sample Manie:	Project Location:	Project Name: K	Project #: 038	Phone #: 210-219-8858	City: Midland	Address: 601 N M	Project Manager: Beaux Jennings	Company Name: Ensolum, LLC	
Delivered By: (Circle One)		N	amages. Cardinal's liability and i lose for negligence and any oth lal be liable for incidental or con ut of or related to the performan				3555	100	1 - Cm - 2		N-5W-2	15.4	Sample I.D.	SMANE DICC		ight Hono	1417038	-8858		Address: 601 N Marienfeld Street, Suite 400	Beaux Jennings	Ensolum, LLC	(575) 393-2326 FAX (575) 393-2476
Observed Temp. "C	Date:	S220 -8	ilent's exclusive remedy for an ir cause whatsoever shall be or sequental damages, including ce of services hereunder by C		My w	3:10		20,00	\ I	2.0	.2-0	12	Depth (feet)	832	Rim	1 35-1	Project Owner:	Fax #:	State: TX	uite 400			FAX (575) 393-2
3.0 Sam	Received By:		ny claim arising whether be deemed walved unless ma without limitation, busines ardinal, repardless of whe			1	0 0	00	0 1	0	0		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER				" OXY		Zip: 79701				476
Sample Condition		Well of	ussed in contract or tort, si- ade in writing and received as interruptions, loss of us- ther such claim is based u					χ .	^	×	X		SOIL MATRIX OIL SLUDGE OTHER:	Fax	Pho	State:	City:	Add	Attr	Con	P.O. #:		
CHECKED BY:			s exclusive rennedy (or any claim arising whether based in contract or tort, shall be limited to the amount of sea whether based in contract or tort, shall be limited to the amount of sea whether and or covered by Cardinal within 30 days a serial damages, including without limitedon, business interruptions, loss of use, or loss of profits moursed by serices because it is contracted by Cardinal, regardless of whether such claim is based upon any of the above stated that is.				1	2 00	3	20	0	8	ACID/BASE: ICE / COOL OTHER: DATE		Phone #: 575-390-2828	te: Zip:		Address:	Attn: Wade Dittrich	Company: Oxy USA Inc.	.#:	BILL TO	
Turnaround Time:	REMARKS:	All Results are	int paid by the client for the ye after completion of the app ye do by client, its subsidiaries, ted reasons or otherwise.				60 17 63	3401 60	(111132-	21416		5041 22-6-	TIME		2828				-	A Inc.		0	
		e emailed. F				1	_	()	X 1	K	X	×	TPH BOIS	5	m								
Standard M		All Results are emailed. Please provide Email address:					+		+	+												AN	
Bacteria (only)		de Email address:					+		+	+												ANALYSIS RE	
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C																						REQUEST	
				-	CU	ST	00	Y	SE	A	L	(Quality Environment 800-255-3950 • 30	tal (Contair	ners	_						



September 07, 2022

BEAUX JENNINGS

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: RIGHT HAND CANYON 35 1

Enclosed are the results of analyses for samples received by the laboratory on 09/02/22 15:14.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

ENSOLUM, LLC BEAUX JENNINGS 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received: 09/02/2022 Reported: 09/07/2022

Project Name: RIGHT HAND CANYON 35 1

Project Number: 03B1417038

Project Location: OXY - EDDY CO., NM

Sampling Date: 09/02/2022

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Shalyn Rodriguez

Sample ID: FS - 4 2' (H224049-01)

TPH 8015M	mg/l	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/06/2022	ND	181	90.6	200	1.79	
DRO >C10-C28*	52.7	10.0	09/06/2022	ND	184	91.9	200	2.54	
EXT DRO >C28-C36	22.8	10.0	09/06/2022	ND					
Surrogate: 1-Chlorooctane	72.3 %	6 45.3-16	1						
Surrogate: 1-Chlorooctadecane	89 3 %	6 46 3-17	'8						

Sample ID: E - SW - 2 0-2' (H224049-02)

TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2022	ND	190	95.1	200	3.82	
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	167	83.4	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND					
Surrogate: 1-Chlorooctane	78.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	77.7	% 46.3-17	<i>'</i> 8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

	(5/5) 393-2320 FAX	V (010) 000-E410				- 1	
Company Name:	Ensolum, LLC			BILL TO		ANALIGIO NEGOTO	-
Project Manager:		Serving	P.O.	0. #:			
Address: 601 N	S	00 0	Co	Company: Oxy USA, Inc.	Ş		
City: Midland		State: TX Zip:	79701 Att	Attn: Wade Dittrich			
Phone #: 182	-230-	3344) Fax #:	Ad	Address:			
	850411	Project Owner:	City:	Ŋ.			
5	Bight Hand	Junyon 35 1	St	State: Zip:			
Project Location:	The same	Cou	Ph	Phone #: 575-390-2828			
Sampler Name:	Do		Fa	Fax #:	L		
FOR LAB USE ONLY			MATRIX	PRESERV. SAMPLING	015		
Lab I.D.	Sample I.D.	(feet) (G)RAB OR (C)OMF	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER :			
2-	2-ms-2 h-54	0-2 01	××	× 9/2/2	1320 X		
	JAC	21/2/16					
		1	\$				
PLEASE NOTE: Liability and analyses. All claims including service. In no eyent shall Car	Damages. Cardinal's liability and o g those for negligence and any other rdinal be liable for incidental or cont	nt's exclusive remedy for any a ause whatsoever shall be dee quental damages, including wi	sing whether based in contract or to wed unless made in writing and rec tration, business interruptions, loss	ether based in contract or tort, shall be limited to the amount paid by the client it less made in writing and received by Cardinal within 30 days after completion of business interruptions, loss of use, or loss of profits incurred by client, its subside business interruptions, loss of use, or loss of the above stated restorts or officer	by the client for the completion of the applicable lent, its submidiantes, sons or otherwise.		
Relinquished By:	ad By:	Date: 9/1/12	> ve		ts are emailed. Ple	ase provide Email address:	
Relinquished By:		Date: Rece	Received By:	0	REMARKS:		
Delivered By: (Circle One)		Observed Temp. "C 20	Sample Condition	CH	Turnaround Time: Standard	Bacteria (only) S	ample Condition Observed Temp. °C
Sampler - UPS - Bus - Other:		Temp. °C	Cool Intact	(Initials)	Thermometer ID #113 Correction Factor -05°C - 0 . 10°C	Yes Yes	Corrected Temp, °C



APPENDIX F

C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Received by OCD: 10/17/2022 4:10:54 PM

Incident ID	nKMW1110138117
District RP	2RP-728
Facility ID	
Application ID	pKMW1110138397

Release Notification

Responsible Party

Responsible Par	rty: Oxy U	USA Inc.		OGRI	D: 16696
Contact Name:	Tyson Pie	erce		Conta	ct Telephone: 575-390-3610
Contact email: t	tyson_pie	rce@oxy.com		Incide	ent # (assigned by OCD) nKMW1110138117
Contact mailing	g address:	PO Box 4294, H	ouston, TX 7721	0	
ntitude 32.	.4319687	7		n of Release	de104.4738007
			(NAD 83 in	decimal degrees to 5 d	lecimal places)
Site Name: Righ	ht Hand C	Canyon 35 1		Site Ty	pe: Well Pad
Date Release Di	iscovered:	: 4/30/2010		API# (i	f applicable) 30-015-26126
	Section	Township	Range	0	ounty
Unit Letter	Section				
L 3	35	21S		Eddy (Name:	of Release
L 3 urface Owner:	State	21S Federal 7	Tribal ☐ Private Nature al	(Name:	cific justification for the volumes provided below)
L 3 urface Owner:	State Materia	21S Federal 7 Al(s) Released (Select Volume Release	Nature and that apply and attacked (bbls): 15	(Name:	Volume Recovered (bbls): Unk.
L 3 urface Owner:	State Materia	21S Federal 17 Al(s) Released (Select Volume Released Volume	Nature and all that apply and attacked (bbls): 15	(Name:	Volume Recovered (bbls): Unk. Volume Recovered (bbls): Unk.
L 3 urface Owner:	State Materia	21S Federal 17 Al(s) Released (Select Volume Release Volume Release Is the concentration of	Nature and all that apply and attacked (bbls): 15 sed (bbls): 5 attion of dissolved	(Name:	Volume Recovered (bbls): Unk.
L 3 urface Owner:	State Materia Vater	21S Federal 17 Al(s) Released (Select Volume Release Volume Release Is the concentration of	Nature and all that apply and attacked (bbls): 15 sed (bbls): 5 attion of dissolved to >10,000 mg/l?	(Name:	Volume Recovered (bbls): Unk. Volume Recovered (bbls): Unk.
L 3 urface Owner: X Crude Oil ✓ Produced W	State Materia Vater	21S Federal 17 Al(s) Released (Select Volume Released Volume Released Volume Released Is the concentration produced water	Nature and all that apply and attacked (bbls): 15 seed (bbls): 5 seation of dissolved to >10,000 mg/l? seed (bbls)	(Name:	volume Recovered (bbls): Unk. Volume Recovered (bbls): Unk. Volume Recovered (bbls): Unk. ✓ Yes ☐ No
urface Owner: X Crude Oil Produced W Condensate	State Materia Vater	21S Federal Tales T	Nature and all that apply and attacked (bbls): 15 seed (bbls): 5 seation of dissolved to >10,000 mg/l? seed (bbls)	(Name:	Volume Recovered (bbls): Unk. Volume Recovered (bbls): Unk. Volume Recovered (bbls): Unk. Volume Recovered (bbls): Unk. Volume Recovered (bbls)

Page 127 of 133

Incident ID	nKMW1110138117
District RP	2RP-728
Facility ID	
Application ID	pKMW1110138397

Was this a major release as defined by	If YES, for what reason(s)) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?		
Yes No		
If YES, was immediate n	notice given to the OCD? By	y whom? To whom? When and by what means (phone, email, etc)?
		Initial Response
The responsible	party must undertake the following	g actions immediately unless they could create a safety hazard that would result in injury
	ease has been stopped.	
∑ The impacted area has	as been secured to protect hu	uman health and the environment.
Released materials h	ave been contained via the u	ise of berms or dikes, absorbent pads, or other containment devices.
All free liquids and r	ecoverable materials have be	een removed and managed appropriately.
has begun, please attach within a lined containme. I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig	a narrative of actions to date and area (see 19.15.29.11(A)(see 19.15.29.11) armation given above is true and required to report and/or file comment. The acceptance of a C-14 gate and remediate contamination	hay commence remediation immediately after discovery of a release. If remediation te. If remedial efforts have been successfully completed or if the release occurred 5)(a) NMAC), please attach all information needed for closure evaluation. If complete to the best of my knowledge and understand that pursuant to OCD rules and ertain release notifications and perform corrective actions for releases which may endanger 41 report by the OCD does not relieve the operator of liability should their operations have on that pose a threat to groundwater, surface water, human health or the environment. In
and/or regulations.		we the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Tyson Pie	rce	Title: Environmental Specialist
Signature:		Date: <u>10/17/2022</u>
email: tyson_pierce@oxy	/.com	Telephone: <u>575-390-3610</u>
OCD Only		
Received by:Jocelyn	Harimon	Date:10/18/2022

Received by OCD: 10/17/2022 4:10:54 PM

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State of New Mexico Oil Conservation Division

Incident ID	nKMW1110138117
District RP	2RP-728
Facility ID	
Application ID	pKMW1110138397

Site Assessment/Characterization

Form C-141	State of New Mexico	Incident ID	nKMW1110138117
age 3	Oil Conservation Division	District RP	2RP-728
		Facility ID	
		Application ID	pKMW1110138397
This What is the shallowest de	Site Assessment/Chara information must be provided to the appropriate district office no late		very date.
What is the shallowest de	epth to groundwater beneath the area affected by the rel	ease?	<u>N/A</u> (ft l
	groundwater or surface water?		☐ Yes ⊠ No
Are the lateral extents of watercourse?	the release within 300 feet of a continuously flowing w	vatercourse or any other significa-	ant ☐ Yes ☒ N
Are the lateral extents of ordinary high-water mar	the release within 200 feet of any lakebed, sinkhole, or k)?	playa lake (measured from the	☐ Yes ⊠ N
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?			ution, Yes N
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?			l used ☐ Yes ☒ N
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?			☐ Yes ⊠ N
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?			esh ☐ Yes ☒ N
Are the lateral extents of	the release within 300 feet of a wetland?		☐ Yes ⊠ N
Are the lateral extents of the release overlying a subsurface mine?		☐ Yes ⊠ N	
Are the lateral extents of the release overlying an unstable area such as karst geology?		⊠ Yes □ N	
Are the lateral extents of the release within a 100-year floodplain?		☐ Yes ⊠ N	
Did the release impact a	reas not on an exploration, development, production, or	storage site?	☐ Yes ⊠ N
Characterization Repo	report (electronic submittals in .pdf format are prefer with the release have been determined. Refer to 19.15.2 rt Checklist: Each of the following items must be including impacted area, surface features, subsurface features.	29.11 NMAC for specifics. luded in the report.	
☐ Field data☐ Data table of soil co☐ Depth to water deter	ntaminant concentration data rmination ter sources and significant watercourses within ½-mile		,
☑ Photographs includi☑ Topographic/Aerial	ng date and GIS information maps		
Laboratory data incl	uding chain of custody		

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.



Incident ID	nKMW1110138117
District RP	2RP-728
Facility ID	
Application ID	pKMW1110138397

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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.

Printed Name: Tyson Pierce

Title: Environmental Specialist

_ Da

Date: _10/17/2022

email: Tyson_pierce@oxy.com

Telephone: 575-390-3610

OCD Only

Signature:

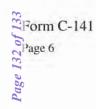
Received by: Jocelyn Harimon

Date: 10/18/2022

ncident ID	nKMW1110138117
District RP	2RP-728
Facility ID	4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4
Application ID	pKMW1110138397
s OCD approval is	required)

Remediation Plan

Form C-141	State of New Mexic	CO			
OIII C-141	Oil Conservation Div		Incide		nKMW111013811
age 5	On Conservation Div.	181011	Distric		2RP-728
			Facilit		- KMW111012020
			Applic	cation ID	pKMW111013839
age 5	Remo	ediation Pla	an		
Remediation Plan Che	cklist: Each of the following items m	ust be included in th	ne plan.		
	of proposed remediation technique				
	GPS coordinates showing delineation of material to be remediated	points			
Closure criteria is to	Table 1 specifications subject to 19.15				
Proposed schedule f	for remediation (note if remediation pla	in timeline is more th	nan 90 days OCD	approval is	required)
Deferral Requests Only	y: Each of the following items must b	e confirmed as part	of any request fo	r deferral o	f remediation.
Contamination must deconstruction.	t be in areas immediately under or arou	ind production equip	ment where reme	diation coul	d cause a major facilit
deconstruction.					
■ Extents of contamin	nation must be fully delineated.				
		Carla de Estado			
Contamination does	s not cause an imminent risk to human l	health, the environme	ent, or groundwat	er.	
rules and regulations all which may endanger puliability should their ope surface water, human he		r file certain release no reptance of a C-141 stigate and remediate OCD acceptance of a ocal laws and/or regularite: Environate: Date: _10/1	notifications and preport by the OC contamination the C-141 report doculations.	perform corn D does not nat pose a the es not reliev	ective actions for releaselieve the operator of reat to groundwater,
-					
OCD Only					
Received by:Joce	lyn Harimon	Date:10/	/18/2022		
	lyn Harimon Approved with Attached Condition	Date		☐ De	eferral Approved
Approved		ns of Approval		□ De	eferral Approved



Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

Incident ID	nKMW1110138117
District RP	2RP-728
Facility ID	
Application ID	pKMW1110138397

Closure

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 (electronic submittals in .pdf format are preferred) 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.

△ Laboratory analyses of final sampling (Note: appropriate C	DDC District office must be notified 2 days prior to final sampling)
Description of remediation activities	
pereby certify that the information given above is tope and com-	
d regulations all operators are required to report and/or file cer ay endanger public health or the environment. The acceptance ould their operations have failed to adequately investigate and man health or the environment. In addition, OCD acceptance mpliance with any other federal, state, or local laws and/or reg	replete to the best of my knowledge and understand that pursuant to OCD rule retain release notifications and perform corrective actions for releases which of a C-141 report by the OCD does not relieve the operator of liability remediate contamination that pose a threat to groundwater, surface water, of a C-141 report does not relieve the operator of responsibility for gulations. The responsible party acknowledges they must substantially conditions that existed prior to the release or their final land use in e OCD when reclamation and re-vegetation are complete.
inted Name: Tyson Pierce	Title: Environmental Specialist
gnature:	Date: _10/17/2022_
nail: wson_pierce@oxy.com	Telephone: 575-390-3610
CD Only	
ceived by:Jocelyn Harimon	Date:10/18/2022
nediate contamination that poses a threat to groundwater, surfactive of compliance with any other federal, state, or local laws and	
osure Approved by:Ashley Maxwell	Date:2/13/2023
nted Name: Ashley Maxwell	Title: Environmental Specialist

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 151424

CONDITIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	151424
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwe	None	2/13/2023