



ENSOLUM

DEFERRAL REQUEST

Property:

Corral Canyon 36-25 CTB

**Eddy County, New Mexico
32.158888 N, 103.938374 W
NMOCD Incident ID: nAB1903659101**

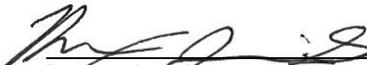
June 1, 2023

Ensolum Project No. 03B1417028

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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Eddy County, New Mexico
32.158888 N, 103.938374 W
NMOCD Incident ID: nAB1903659101**

Ensolum Project No. 03B1417028

1.0 INTRODUCTION

1.1 Executive Summary

- On January 22, 2019, a release of crude oil was reported from a compromised seal on a circulating pump at the Corral Canyon 36-25 CTB, hereinafter referred to as the "Site". Approximately 100 barrels (bbls) of crude oil were released onto the ground surface and impacted an area approximately 250 feet long by 10 to 40 feet wide and a secondary area approximately 30 feet long by 10 to 30 feet wide. Approximately 80 bbls of crude oil were recovered. The Delineation/Remediation Work Plan, prepared by BBC International Incorporated (BBC) on behalf of Oxy USA Inc. (Oxy), stated that the impacted area would be excavated to depths ranging from 3 to 5 feet below ground surface (bgs).
- Due to the unknown depth to groundwater in the 0.5-mile vicinity, a depth to water soil boring (SB-1, (C-04604-POD1)) was installed on April 13, 2022 by Ensolum personnel. The soil boring was installed on Oxy property adjacent to the Site, located approximately 0.45 mile to the west. The soil boring was installed to 108 feet bgs, and groundwater was not encountered 72-hours after the soil boring was installed. The applicable Closure Criteria were utilized based on the lack of groundwater observed within the first 108 feet bgs within 0.50 mile of the Site.
- Between April 7, 2022 and January 5, 2023, Ensolum arrived on-Site and collected a total of 44 composite soil samples from 16 locations on the excavation floor (FS-1 through FS-16), and 24 composite soil samples from 8 locations on 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). The composite floor samples were collected at depths ranging from 2 to 36 inches bgs, and the composite sidewall samples were collected at depths ranging from 0-12 and 0-36 inches bgs. Subsequent to excavation activities, Micro-Blaze was applied to excavation area and tilled in to promote bioremediation of hydrocarbons.
- 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 Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD) Closure Criteria for Soils Impacted by a Release using the New Mexico Administrative Code (NMAC) 19.15.29 *Releases* as guidance.
- The final excavation area measured approximately impacted area measured approximately 250 feet long by 10 to 40 feet wide and a secondary area approximately 30 feet long by 10 to 30 feet wide. The maximum depth of the impacted area measured approximately 36 inches bgs.
- Based on the laboratory analytical results, the final composite soil samples collected from the excavation did not exhibit benzene, total benzene, toluene, ethylbenzene, and xylene (BTEX), total petroleum hydrocarbons (TPH), gasoline range organics (GRO), diesel range organics (DRO), motor oil range organics (MRO) or chloride concentrations above the applicable NMOCD Closure Criteria. Subsequent to the results of the confirmation soil sampling, the excavated 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.

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Based on field observations, field screening activities, and soil sample laboratory analytical results, Oxy is submitting this Deferral Request, describing site assessment and delineation activities that have occurred and requesting deferral of final remediation for NMOCD Incident ID nAB1903659101 until the Site is reconstructed, and/or the well pad is abandoned.

1.2 Site Description & Background

Operator:	Oxy USA Inc. (Oxy)
Site Name:	Corral Canyon 36-25 CTB
Location:	Eddy County, New Mexico 32.158888 N, 103.938374 W
Property:	New Mexico State Trust Lands
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

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 EMNRD 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.

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- The Site is not located within 300 feet of a wetland.
- 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 Bureau of Land Management (BLM), the Site is not located within an unstable area.
- 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
>100 feet	Chloride	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO)	EPA SW-846 Method 8015M	1,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

3.0 SOIL REMEDIATION ACTIVITIES

On January 22, 2019, a release of crude oil was reported from a compromised seal on a circulating pump at the Corral Canyon 36-25 CTB. Approximately 100 bbls of crude oil were released onto the ground surface and impacted an area approximately 250 feet long by 10 to 40 feet wide and a secondary area approximately 30 feet long by 10 to 30 feet wide. Approximately 80 bbls of crude oil were recovered. The Delineation/Remediation Work Plan, prepared by BBC on behalf of Oxy, stated that the impacted area would be excavated to depths ranging from 3 to 5 feet bgs.

Due to the unknown depth to groundwater in the 0.5-mile vicinity, a depth to water soil boring (SB-1) was installed on April 13, 2022 by Ensolum personnel. The soil boring was installed on Oxy property adjacent to the Site, located approximately 0.45 mile to the west. The soil boring was installed to 108 feet bgs, and groundwater was not encountered 72-hours after the soil boring was installed. The applicable Closure Criteria were utilized based on the lack of groundwater observed within the first 108 feet bgs at the Site.

Between April 7, 2022 and January 5, 2023, Ensolum arrived on-Site and collected a total of 44 composite soil samples from 16 locations on the excavation floor (FS-1 through FS-16), and 24 composite soil samples from 8 locations on 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). The composite floor samples were collected at a depths ranging from 2 to 36 inches bgs, and the composite sidewall samples were collected at depths ranging from 0-12 and 0-36 inches bgs. Subsequent to excavation activities, Micro-Blaze was applied to excavation area and tilled in to promote bioremediation of hydrocarbons.

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Based on the laboratory analytical data of the final composite soil samples collected, no additional excavation was required. Subsequent to the results of the composite soil sampling, the excavated soils were removed and taken off-Site for proper disposal.

The final excavation area measured approximately impacted area measured approximately 250 feet long by 10 to 40 feet wide and a secondary area approximately 30 feet long by 10 to 30 feet wide. The maximum depth of the impacted area measured approximately 36 inches bgs.

The lithology encountered during the completion of sampling activities consisted primarily of brown windblown sand with an 18-inch caliche layer for the on-Site pad.

Figure 3 identifies approximate 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 composite soil sampling program included the collection of a total of 44 composite soil samples from 16 locations on the excavation floor (FS-1 through FS-16), and 24 composite soil samples from 8 locations on 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). The composite floor samples were collected at a depths ranging from 2 to 36 inches bgs, and the composite sidewall samples were collected at depths ranging from 0-12 and 0-36 inches bgs.

The composite soil samples were collected and placed in laboratory prepared glassware, labeled/sealed using laboratory supplied labels and custody seals, and stored on ice in a cooler. The samples were relinquished to Cardinal Laboratories in Hobbs, New Mexico for standard laboratory analysis.

5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite 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 benzene, total BTEX, TPH GRO/DRO/MRO, and chloride concentrations associated with the final composite soil samples collected from the excavation floor (FS-1 through FS-16) 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 final composite soil samples are below the laboratory sample detection limits (SDLs), which are below the applicable NMOCD Closure Criteria of 10 mg/kg.
- Laboratory analytical results indicate that total BTEX concentrations for the final composite soil samples range from below the laboratory SDLs to 20.2 milligrams per kilogram (mg/kg), which are below the applicable NMOCD Closure Criteria of 50 mg/kg.
- Laboratory analytical results indicate combined TPH GRO/DRO concentrations for the final composite soil samples range from below the laboratory SDLs to 968 mg/kg, which are below the applicable NMOCD Closure Criteria of 1,000 mg/kg for >100 feet.

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- Laboratory analytical results indicate combined TPH GRO/DRO/MRO concentrations for the final composite soil samples range from below the laboratory SDLs to 1,186 mg/kg, which are below the applicable NMOCD Closure Criteria of 2,500 mg/kg for >100 feet.
- Laboratory analytical results indicate chloride concentrations for the final composite soil samples range from 16.0 mg/kg to 1,090 mg/kg, which are below the applicable NMOCD Closure Criteria of 20,000 mg/kg for >100 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. The spill area is a caliche pad and does not require reclamation or revegetation at this time.

8.0 DEFERRAL REQUEST

Oxy is requesting deferral of final remediation due to the presence of active production equipment and surface pipelines within the spill area. The impacted soil is limited to the area immediately adjacent to active production equipment, where remediation would require a major facility deconstruction.

The impacted soil remaining in place beneath composite floor sample locations FS-10 and FS-11 is delineated vertically by delineation soil sample SP4 collected at 4 feet bgs. A maximum of 92 cubic yards of TPH impacted soil remains in place beneath the liner assuming a maximum 4-foot depth based on the delineation soil samples listed above, that were compliant with the Closure Criteria.

Oxy does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be greater than 108 feet bgs, the release was contained laterally by the active production equipment and surface pipelines, and the impacted soil remaining in place is limited to the area immediately beneath composite soil sample locations FS-10 and FS-11.

Based on field observations, field screening activities, and soil sample laboratory analytical results, Oxy is submitting this Deferral Request, describing site assessment and delineation activities that have occurred and requesting deferral of final remediation for NMOCD Incident ID nAB1903659101 until the Site is reconstructed, and/or the well pad is abandoned.

9.0 FINDINGS AND RECOMMENDATION

- On January 22, 2019, a release of crude oil was reported from a compromised seal on a circulating pump at the Site. Approximately 100 bbls of crude oil were released onto the ground surface and impacted an area approximately 250 feet long by 10 to 40 feet wide and a secondary area approximately 30 feet long by 10 to 30 feet wide. Approximately 80 bbls of crude oil were recovered. The Delineation/Remediation Work Plan, prepared by BBC on behalf of Oxy, stated that the impacted area would be excavated to depths ranging from 3 to 5 feet bgs.
- Due to the unknown depth to groundwater in the 0.5-mile vicinity, a depth to water soil boring (SB-1, (C-04604-POD1)) was installed on April 13, 2022 by Ensolum personnel. The soil boring was installed on Oxy property adjacent to the Site, located approximately 0.45 mile to the west. The soil boring was installed to 108 feet bgs, and groundwater was not encountered 72-hours after the soil boring was installed. The applicable Closure Criteria were utilized based on the lack of groundwater observed within the first 108 feet bgs within 0.50 mile of the Site.

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- Between April 7, 2022 and January 5, 2023, Ensolum arrived on-Site and collected a total of 44 composite soil samples from 16 locations on the excavation floor (FS-1 through FS-16), and 24 composite soil samples from 8 locations on 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). The composite floor samples were collected at depths ranging from 2 to 36 inches bgs, and the composite sidewall samples were collected at depths ranging from 0-12 and 0-36 inches bgs. Subsequent to excavation activities, Micro-Blaze was applied to excavation area and tilled in to promote bioremediation of hydrocarbons.
- 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 for Soils Impacted by a Release using the NMAC 19.15.29 *Releases* as guidance.
- The final excavation area measured approximately impacted area measured approximately 250 feet long by 10 to 40 feet wide and a secondary area approximately 30 feet long by 10 to 30 feet wide. The maximum depth of the impacted area measured approximately 36 inches bgs.
- Based on the laboratory analytical results, the final composite soil samples collected from the excavation did not exhibit benzene, total BTEX, total TPH, GRO, DRO, MRO or chloride concentrations above the applicable NMOCD Closure Criteria. Subsequent to the results of the confirmation soil sampling, the excavated 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, field screening activities, and soil sample laboratory analytical results, Oxy is submitting this Deferral Request, describing site assessment and delineation activities that have occurred and requesting deferral of final remediation for NMOCD Incident ID nAB1903659101 until the Site is reconstructed, and/or the well pad is abandoned.

10.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

10.1 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.

10.2 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.

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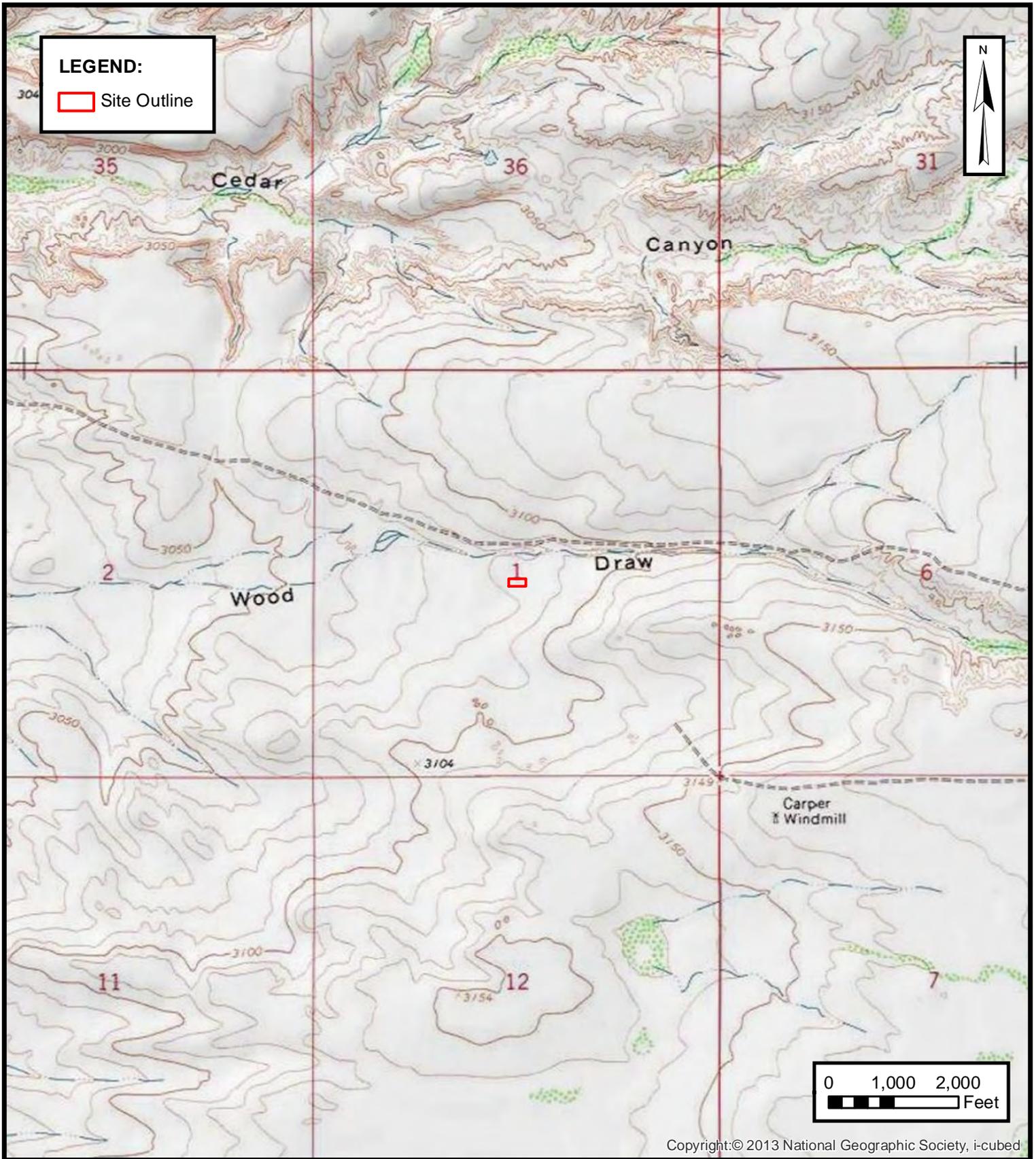
10.3 Reliance

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



ENSOLUM
 Environmental & Hydrogeologic Consultants

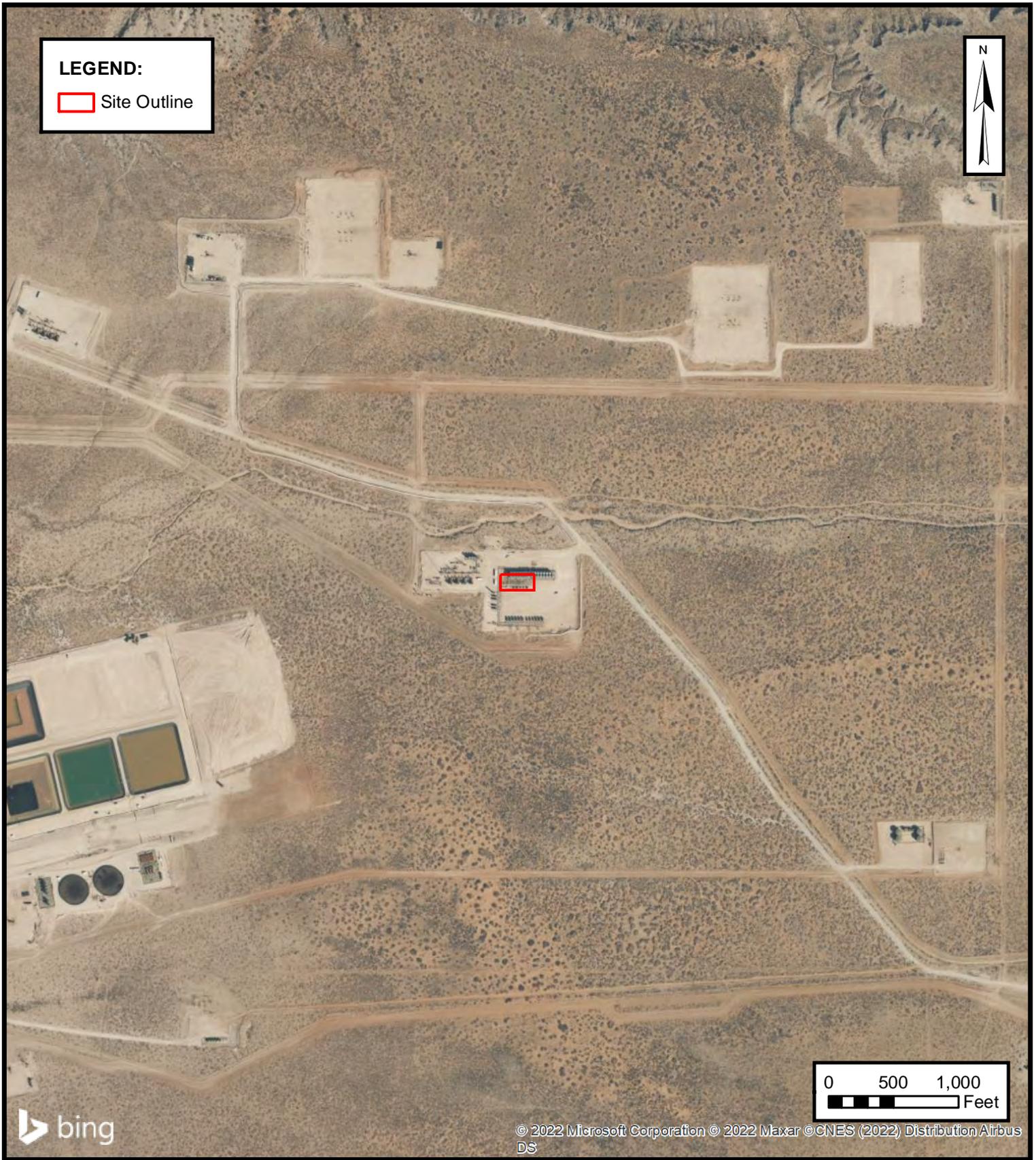
SITE MAP

OXY USA INC.
 CORRAL CANYON 36-25 CTB
 Eddy County, New Mexico
 32.158888° N, 103.938374° W

PROJECT NUMBER: 03B1417028

FIGURE

1



ENSOLUM
 Environmental & Hydrogeologic Consultants

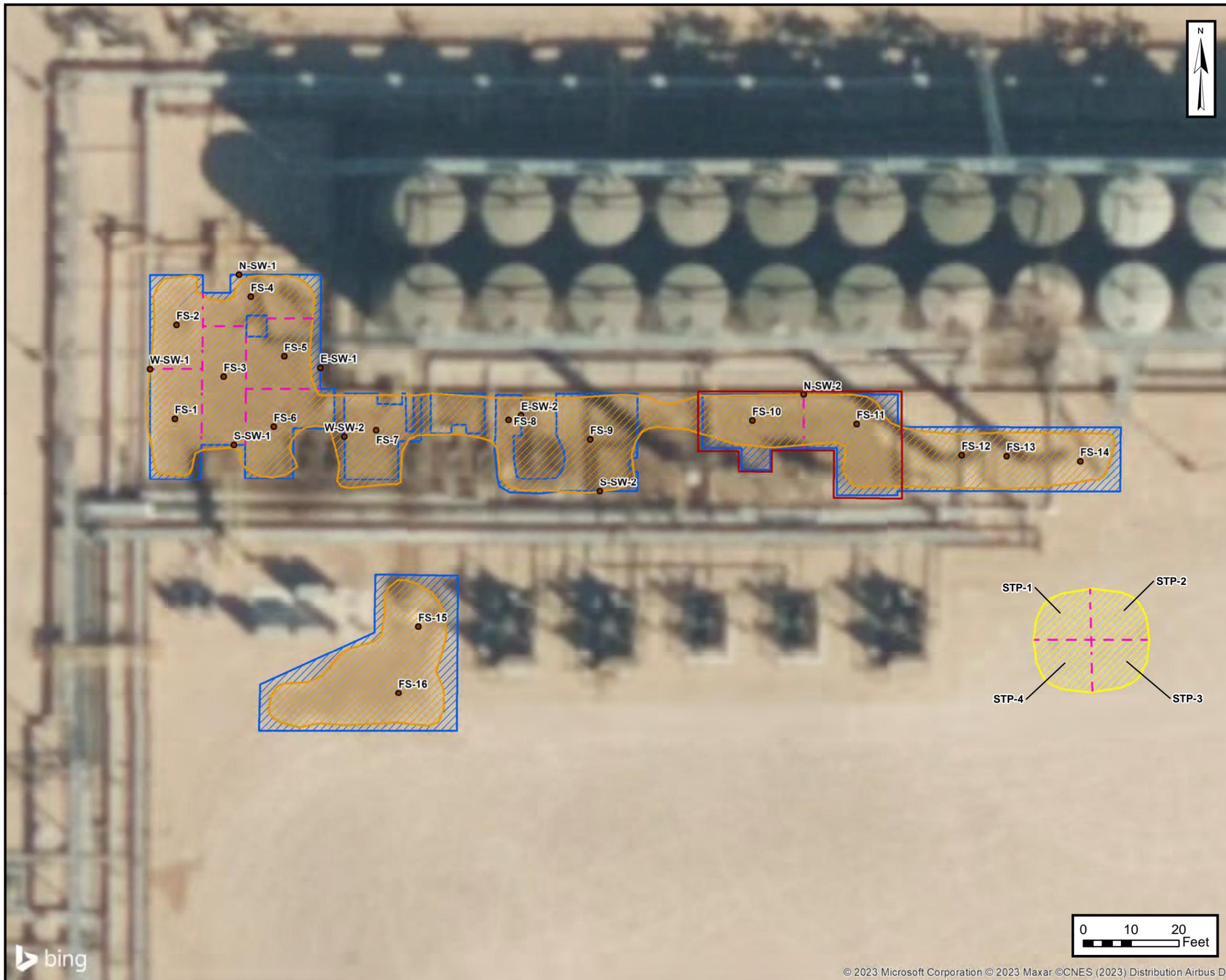
SITE MAP

OXY USA INC.
 CORRAL CANYON 36-25 CTB
 Eddy County, New Mexico
 32.158888° N, 103.938374° W

PROJECT NUMBER: 03B1417028

FIGURE

2



LEGEND:

- Composite Soil Sample Location
- - - Sample Grid Boundary
- Deferral Area
- ▨ Sample Grid Location
- ▨ Spill Extent
- ▨ Former Stockpile Location

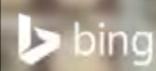
SITE MAP

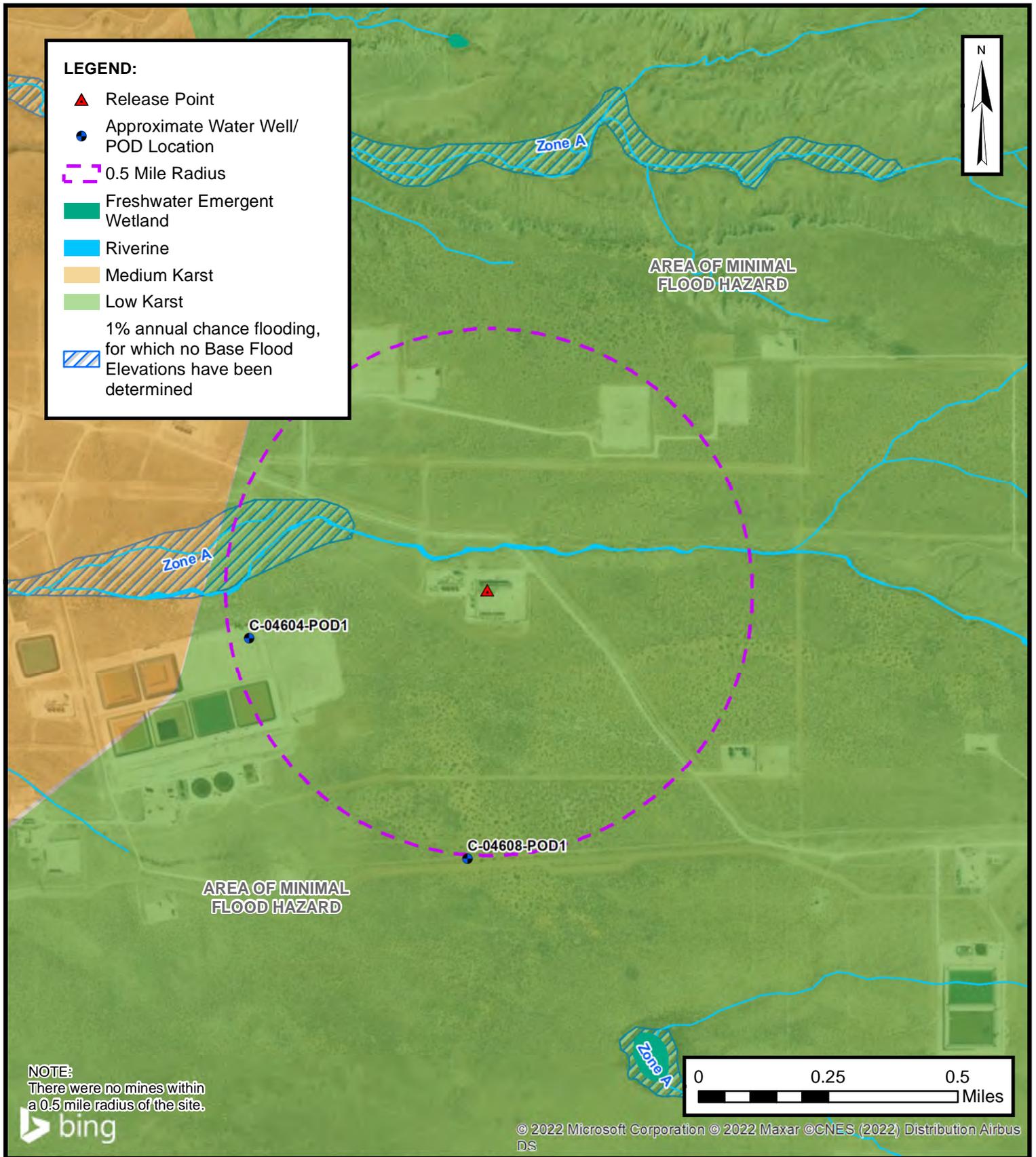
OXY USA INC.
CORRAL CANYON 36-25 CTB

Eddy County, New Mexico
32.15888°N, 103.938374° W

FIGURE
3

PROJECT NUMBER: 03B1417028





CLOSURE CRITERIA MAP

OXY USA INC.
CORRAL CANYON 36-25 CTB
Eddy County, New Mexico
32.158888° N, 103.938374° W

PROJECT NUMBER: 03B1417028

FIGURE
4



APPENDIX B

Supporting Documentation

Beaux Jennings

From: Beaux Jennings
Sent: Tuesday, April 5, 2022 10:30 AM
To: OCD.Enviro@state.nm.us
Subject: Corral Canyon 36-25 CTB (2RP-5221)

Good Morning,

On behalf of Oxy USA Inc, Ensolum, LLC would like to provided notification for sampling activities that will be conducted at the Corral Canyon 36-25 CTB (2RP-5221). 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: Monday, August 8, 2022 4:38 PM
To: OCD.Enviro@state.nm.us
Subject: Corral Canyon 36-25 CTB (2RP-5221)

Good afternoon,

On behalf of Oxy USA Inc, Ensolum, LLC would like to provide notification for sampling activities that will be conducted at the Corral Canyon 36-25 CTB (2RP-5221) on Friday, August 12th 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: Monday, October 10, 2022 10:42 AM
To: OCD.Enviro@emnrd.nm.gov
Subject: Corral Canyon 36-25 CTB (2RP-5221)

Good afternoon,

On behalf of Oxy USA Inc, Ensolum, LLC would like to provide notification for sampling activities that will be conducted at the Corral Canyon 36-25 CTB (2RP-5221) on Thursday, October 13th at 10am. 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: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Monday, November 14, 2022 5:30 PM
To: Beaux Jennings
Cc: Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD
Subject: RE: [EXTERNAL] Corral Canyon 36-25 CTB (2RP-5221)

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

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.

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Beaux Jennings <bjennings@ensolum.com>
Sent: Monday, November 14, 2022 4:02 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Corral Canyon 36-25 CTB (2RP-5221)

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 provide notification for sampling activities that will be conducted at the Corral Canyon 36-25 CTB (2RP-5221) on Thursday, November 17th at 1pm. 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: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Tuesday, January 3, 2023 2:05 PM
To: Beaux Jennings
Cc: Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD
Subject: RE: [EXTERNAL] Corral Canyon 36-25 CTB (2RP-5221)

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

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.

JH

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Beaux Jennings <bjennings@ensolum.com>
Sent: Tuesday, January 3, 2023 12:14 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Corral Canyon 36-25 CTB (2RP-5221)

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 provide notification for sampling activities that will be conducted at the Corral Canyon 36-25 CTB (2RP-5221) on Thursday, January 5th at 1300 MST. 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](#) [t](#)

PLEASE NOTE OUR NEW CORPORATE ADDRESS:

Ensolum, LLC
8330 LBJ Freeway, Ste. 830
Dallas, TX 75243

BORING LOG SB-1

PROJECT NUMBER 03B1417028	DRILLING DATE 04/13/2022	COORDINATES 32.157576, -103.945856
PROJECT NAME Corral Canyon 36-25 CTB	TOTAL DEPTH 108	DRILLED BY WTWWS
CLIENT Oxy USA Inc.	BOREHOLE DIAMETER 6 3/4"	DRILLER Russel Sutherland
PROJECT LOCATION Eddy County, NM	CASING DIAMETER NA	SURFACE ELEVATION NA
PROJECT MANAGER Beaux Jennings	SCREEN NA	BORING METHOD Air Rotary

COMMENTS	LOGGED BY Beaux Jennings
	CHECKED BY Liz Scaggs

PID	Samples	Depth (ft)	Graphic Log	Moisture	Material Description	Well Diagram
		0-10		Dry	Caliche, up to one (1) inch limestone fragments, pinkish white, dry, no odor	<p>Concrete</p> <p>Soil Cuttings</p>
		10-40		Dry	Sandstone, fine-grained, brittle, reddish yellow, dry, no odor	
		40-70		Dry	Sand, fine-grained, light brown, dry, no odor	
		70-100			Collapsed hole, Total Depth 102 ft after pulling rods.	
		100-110			Total Depth: 108 ft	

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

No. C-4604-POD1

NEW MEXICO OFFICE OF THE STATE ENGINEER



WR-07 APPLICATION FOR PERMIT TO DRILL

A WELL WITH NO WATER RIGHT

(check applicable box):

For fees, see State Engineer website: <http://www.ose.state.nm.us/>

Purpose:	<input type="checkbox"/> Pollution Control And/Or Recovery	<input type="checkbox"/> Ground Source Heat Pump
<input type="checkbox"/> Exploratory Well (Pump test)	<input type="checkbox"/> Construction Site/Public Works Dewatering	<input checked="" type="checkbox"/> Other(Describe): Investigation Soil Boring
<input type="checkbox"/> Monitoring Well	<input type="checkbox"/> Mine Dewatering	
A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.		
<input type="checkbox"/> Temporary Request - Requested Start Date: 4/1/22		Requested End Date: 4/15/22
Plugging Plan of Operations Submitted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

1. APPLICANT(S)

OSE DIT MAR 21 2022 AM 11:35

Name: Oxy USA Inc.	Name: Ensolum, LLC
Contact or Agent: <input type="checkbox"/> check here if Agent Mr. Wade Dittrich	Contact or Agent: <input checked="" type="checkbox"/> check here if Agent Mr. Beaux Jennings
Mailing Address: PO Box 4294	Mailing Address: 705 W. Wadley Ave, Ste 240
City: Houston	City: Midland
State: TX Zip Code: 77210	State: TX Zip Code: 79705
Phone: 575-390-2828 <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell Phone (Work):	Phone: 210-219-8858 <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell Phone (Work):
E-mail (optional): wade_dittrich@oxy.com	E-mail (optional): bjennings@ensolum.com

FOR OSE INTERNAL USE

Application for Permit, Form WR-07, Rev 11/17/16

File No.: <u>C-4604</u>	Trm. No.: <u>722106</u>	Receipt No.:
Trans Description (optional): <u>MON</u>		
Sub-Basin: <u>CUB</u>	PCW/LOG Due Date: <u>3/24/23</u>	

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

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

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

NM West Zone Zone 12N
 NM East Zone Zone 13N
 NM Central Zone

Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (Quarters or Halves, Section, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
C-4604 POD1 SB-1	-103.945856	32.157576	NW 1/4 of SW 1/4 of S1, T25S, R29E
			OSE DIT MAR 21 2022 AM 11:36

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

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

Other description relating well to common landmarks, streets, or other:
Soil boring will be installed approximately 100' due west of on-site oil and gas well.

Well is on land owned by: State Land Office

Well Information: NOTE: If more than one (1) well needs to be described, provide attachment. Attached? Yes No
If yes, how many _____

Approximate depth of well (feet): 110	Outside diameter of well casing (inches): 6
Driller Name: West Texas Water Well Service - Ronny Keith	Driller License Number: WD-1184

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

The investigation soil boring will be installed to a depth of approximately 110' below ground surface. The soil boring will be left open for approximately 72 hours, gauged with a water level meter to check for potential groundwater, then plugged in accordance with the associated Well Plugging Plan of Operations.

FOR OSE INTERNAL USE

Application for Permit, Form WR-07

File No.: C-4604	Trn No.: 722104
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4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

<p>Exploratory: <input checked="" type="checkbox"/> Include a description of any proposed pump test, if applicable.</p>	<p>Pollution Control and/or Recovery: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for the pollution control or recovery operation. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The annual diversion amount. <input type="checkbox"/> The annual consumptive use amount. <input type="checkbox"/> The maximum amount of water to be diverted and injected for the duration of the operation. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> The method of measurement of water produced and discharged.</p>	<p>Construction De-Watering: <input type="checkbox"/> Include a description of the proposed dewatering operation, <input type="checkbox"/> The estimated duration of the operation, <input type="checkbox"/> The maximum amount of water to be diverted, <input type="checkbox"/> A description of the need for the dewatering operation, and, <input type="checkbox"/> A description of how the diverted water will be disposed of.</p>	<p>Mine De-Watering: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for mine dewatering. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The source(s) of the water to be diverted <input type="checkbox"/> The geohydrologic characteristics of the aquifer(s). <input type="checkbox"/> The maximum amount of water to be diverted per annum. <input type="checkbox"/> The maximum amount of water to be diverted for the duration of the operation. <input type="checkbox"/> The quality of the water. <input type="checkbox"/> The method of measurement of water diverted.</p>
<p>Monitoring: <input type="checkbox"/> Include the reason for the monitoring well, and, <input type="checkbox"/> The duration of the planned monitoring.</p>	<p><input type="checkbox"/> The method of measurement of water produced and discharged. <input type="checkbox"/> The source of water to be injected. <input type="checkbox"/> The method of measurement of water injected. <input type="checkbox"/> The characteristics of the aquifer. <input type="checkbox"/> The method of determining the resulting annual consumptive use of water and depletion from any related stream system. <input type="checkbox"/> Proof of any permit required from the New Mexico Environment Department. <input type="checkbox"/> An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.</p>	<p>Ground Source Heat Pump: <input type="checkbox"/> Include a description of the geothermal heat exchange project, <input type="checkbox"/> The number of boreholes for the completed project and required depths. <input type="checkbox"/> The time frame for constructing the geothermal heat exchange project, and, <input type="checkbox"/> The duration of the project. <input type="checkbox"/> Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.</p>	<p><input type="checkbox"/> The recharge of water to the aquifer. <input type="checkbox"/> Description of the estimated area of hydrologic effect of the project. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. <input type="checkbox"/> A description of the methods employed to estimate effects on surface water rights and underground water rights. <input type="checkbox"/> Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.</p>

ACKNOWLEDGEMENT

OSE DIT MAR 21 2022 PM 11:36

I, We (name of applicant(s)), Beaux Jennings, Wade Dittrich

Print Name(s)

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

Wade Dittrich
 Applicant Signature

[Signature]
 Applicant Signature

ACTION OF THE STATE ENGINEER

This application is:

approved partially approved denied

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

Witness my hand and seal this 24th day of March 20 22, for the State Engineer,

Mike A. Hamman, P.E. State Engineer

By: K. Parekh
 Signature

Kashyap Parekh
 Print

Title: Water Resources Manager I
 Print

FOR OSE INTERNAL USE

Application for Permit, Form WR-07

File No.: <u>C-4604</u>	Trn No.: <u>722106</u>
-------------------------	------------------------

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

SPECIFIC CONDITIONS OF APPROVAL

- 17-16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.

- 17-1A Depth of the well shall not exceed the thickness of the valley fill.

- 17-4 No water shall be appropriated and beneficially used under this permit.

- 17-6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging.

Trn Desc: C 04604 POD1

File Number: C 04604

Trn Number: 722106

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

SPECIFIC CONDITIONS OF APPROVAL (Continued)

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

Trn Desc: C 04604 POD1

File Number: C 04604

Trn Number: 722106

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

LOG The Point of Diversion C 04604 POD1 must be completed and the Well Log filed on or before 03/24/2023.

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

ACTION OF STATE ENGINEER

Notice of Intention Rcvd: Date Rcvd. Corrected:
Formal Application Rcvd: 03/21/2022 Pub. of Notice Ordered:
Date Returned - Correction: Affidavit of Pub. Filed:

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

Witness my hand and seal this 24 day of Mar A.D., 2022

Mike A. Hamman, P.E., State Engineer

By: K. Parekh
KASHYAP PAREKH

Trn Desc: C 04604 POD1

File Number: C 04604

Trn Number: 722106



NEW MEXICO OFFICE
OF THE
STATE ENGINEER

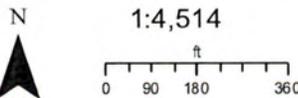


Image Info
Source: Maxar
Date: 12/4/2020
Resolution (m):0.5
Accuracy (m): 5

Coordinates
UTM - NAD 83 (m) - Zone 13

Easting 599402.194
Northing 3558388.167

State Plane - NAD 83 (f) - Zone E

Easting 661248.228
Northing 421275.244

Degrees Minutes Seconds

Latitude 32 : 9 : 27.273600
Longitude -103 : 56 : 45.081600

Location pulled from Coordinate Search

Spatial Information
OSE Administrative Area: Eddy
County: Eddy
Groundwater Basin: Carlsbad
Abstract Area: Carlsbad 72-12-1
Carlsbad Underground Basin
Sub-Basin: Upper Pecos-Black

**Land Grant: Not in Land Grant
Restrictions:**
NA

PLSS Description
SWNWNSW Qtr of Sec 01 of 025S 029E

Derived from CADNSDI- Qtr Sec. locations are
calculated and are only approximations

- | | | | | | |
|---|--|--|---|---|---|
| <input type="checkbox"/> Calculated PLSS | <input type="checkbox"/> Catron County Parcels 2021 | <input type="checkbox"/> Doña Ana County Parcels 2021 | <input type="checkbox"/> Lea County Parcels 2021 | <input type="checkbox"/> Otero County Parcels 2021 | <input type="checkbox"/> San Juan County Parcels 2021 |
| <input type="checkbox"/> Coord Search Location | <input type="checkbox"/> Chaves County Parcels 2021 | <input type="checkbox"/> Eddy County Parcels 2021 | <input type="checkbox"/> Lincoln County Parcels 2021 | <input type="checkbox"/> Quay County Parcels 2021 | <input type="checkbox"/> San Miguel County Parcels 2021 |
| <input type="checkbox"/> OSE District Boundary | <input type="checkbox"/> Cibola County Parcels 2021 | <input type="checkbox"/> Grant County Parcels 2021 | <input type="checkbox"/> Los Alamos County Parcels 2021 | <input type="checkbox"/> Rio Arriba County Parcels 2021 | <input type="checkbox"/> Santa Fe County Parcels 2021 |
| <input type="checkbox"/> New Mexico State Trust Lands | <input type="checkbox"/> Colfax County Parcels 2021 | <input type="checkbox"/> Harding County Parcels 2021 | <input type="checkbox"/> Luna County Parcels 2021 | <input type="checkbox"/> Roosevelt County Parcels 2021 | <input type="checkbox"/> Sierra County Parcels 2021 |
| <input type="checkbox"/> Both Estates | <input type="checkbox"/> Curry County Parcels 2021 | <input type="checkbox"/> Hidalgo County Parcels 2021 | <input type="checkbox"/> McKinley County Parcels 2021 | <input type="checkbox"/> Sandoval County Parcels 2021 | |
| <input type="checkbox"/> Bernalillo County Parcels 2021 | <input type="checkbox"/> De Baca County Parcels 2021 | <input type="checkbox"/> Guadalupe County Parcels 2021 | <input type="checkbox"/> Mora County Parcels 2021 | | |

POD Information

Owner:
File Number:
POD Status: NoData
Permit Status: NoData
Permit Use: NoData
Purpose:

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

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

Trn Nbr: 722106
File Nbr: C 04604

Mar. 24, 2022

MR. WADE DITTRICH
OXY USA INC
PO BOX 4294
HOUSTON, TX 77210

Greetings:

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

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

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

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

Sincerely,

A handwritten signature in blue ink that reads "Azucena Ramirez".

Azucena Ramirez
(575) 622-6521

Enclosure

explore

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

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

Trn Nbr: 722106
File Nbr: C 04604

Mar. 24, 2022

MR. WADE DITTRICH
OXY USA INC
PO BOX 4294
HOUSTON, TX 77210

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- * If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.
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Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

A handwritten signature in blue ink that reads "Azucena Ramirez".
Azucena Ramirez
(575) 622-6521

Enclosure

explore

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

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

Trn Nbr: 722106
File Nbr: C 04604

Mar. 24, 2022

MR. BEAUX JENNINGS
ENSOLUM LLC
705 W WADLEY AVE STE 240
MIDLAND, TX 79705

Greetings:

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

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

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

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Azucena Ramirez".

Azucena Ramirez
(575) 622-6521

Enclosure

explore



Mike A. Hamman, P.E.
State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

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

Trn Nbr: 722106
File Nbr: C 04604
Well File Nbr: C 04604 POD1

May. 04, 2022

MR. BEAUX JENNINGS
ENSOLUM LLC
705 W WADLEY AVE STE 240
MIDLAND, TX 79705

Greetings:

The above numbered permit was issued in your name on 03/24/2022.

The Well Record was received in this office on 05/04/2022, stating that it had been completed on 04/19/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 03/24/2023.

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

Sincerely,

A handwritten signature in cursive script, appearing to read "Maret Amaral".

Maret Amaral
(575) 622-6521

drywell



STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
ROSWELL

Mike A. Hamman, P.E.
State Engineer

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

March 22, 2022

OXY USA Inc
P.O. Box 4294
Houston, TX 77210

RE: Well Plugging Plan of Operations for C-4604-POD1

Greetings:

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

- (1) Plugging operations shall also be conducted in accordance with NMED, NMOCD, or other State or Federal agencies having oversight for the above described project.*
- (2) Type I/II Neat Cement - No more than 6.0 gallons water per 94-lb sack*
- (3) Any deviation from this plan must obtain an approved variance from this office prior to implementation.*

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

Sincerely,

A handwritten signature in black ink that reads "K. Parekh".

Kashyap Parekh
Water Resources Manager I



WELL PLUGGING PLAN OF OPERATIONS



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

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

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

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

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: POD1 (SB-1) C-4604-POD1

Name of well owner: Oxy USA Inc.

Mailing address: PO Box 4294 County: Harris

City: Houston State: TX Zip code: 77210

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

III. WELL DRILLER INFORMATION:

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

New Mexico Well Driller License No.: WD-1184 Expiration Date: October 31, 2023

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

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

1) GPS Well Location: Latitude: 32 deg, 9 min, 27.273 sec
Longitude: -103 deg, 56 min, 45.0816 sec, NAD 83

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

Investigation soil boring to determine groundwater level.

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

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

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

6) Depth of the well: 110 feet

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

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

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

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

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

The soil boring will be plugged tremie from bottom to a slurry of Portland TYPE I/II Neat cement in lifts

- 2) Will well head be cut-off below land surface after plugging? N/A

VI. PLUGGING AND SEALING MATERIALS:

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

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

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

N/A

8) Additional notes and calculations:

N/A

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

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

USE OUT MAR 21 2022 11:13:33

VIII. SIGNATURE:

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

Wade Little 3/16/2022
Signature of Applicant Date

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

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

Witness my hand and official seal this 22nd day of March, 2022
Mike A. Hamman
John R. D'Antonio Jr., P.E., New Mexico State Engineer

By: K. Parekh
KASHYAP PAREKH
W.R.M.I



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

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

USE DT MFR 21 2022 #C1.35

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

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)	N/A	N/A	0
Bottom of proposed sealant of grout placement (ft bgl)	N/A	N/A	10
Theoretical volume of sealant required per interval (gallons)	N/A	N/A	52 QSE DTI MAR 21 2022 04:11:36
Proposed abandonment sealant (manufacturer and trade name)	N/A	N/A	Bariod Hole Plug

National Flood Hazard Layer FIRMette



103°56'37"W 32°9'47"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- | | | |
|------------------------------------|--|--|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE)
<i>Zone A, V, A99</i> |
| | | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i> |
| | | Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> |
| | | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i> |
| | | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i> |
| | | Area with Flood Risk due to Levee <i>Zone D</i> |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i> |
| | | Effective LOMRs |
| GENERAL STRUCTURES | | Area of Undetermined Flood Hazard <i>Zone D</i> |
| | | Channel, Culvert, or Storm Sewer |
| OTHER FEATURES | | Levee, Dike, or Floodwall |
| | | Cross Sections with 1% Annual Chance Water Surface Elevation |
| | | Water Surface Elevation |
| | | Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| | | Jurisdiction Boundary |
| | | Coastal Transect Baseline |
| | | Profile Baseline |
| | | Hydrographic Feature |
| MAP PANELS | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.





Wetlands



January 12, 2023

Wetlands

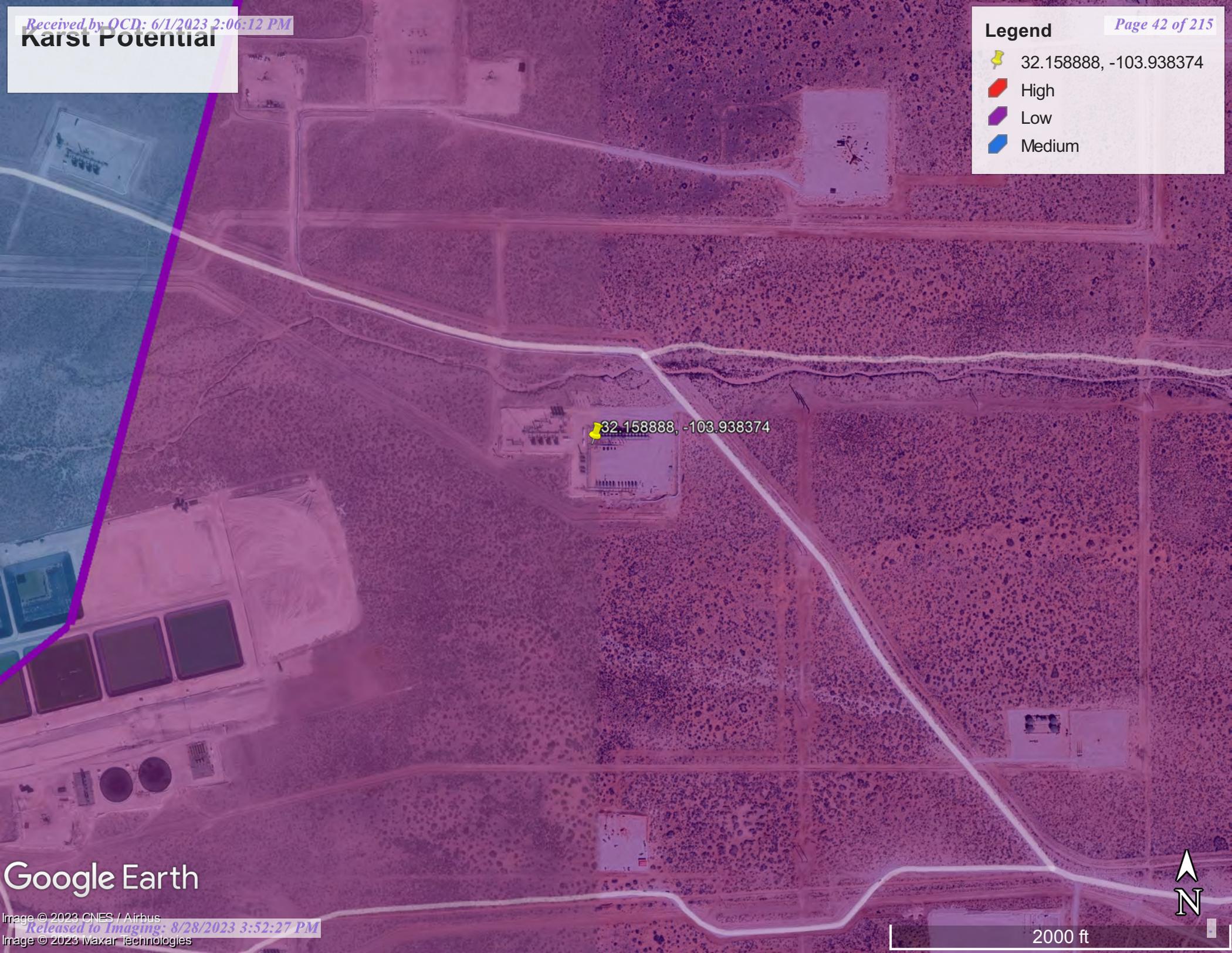
- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Estuarine and Marine Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Karst Potential

Legend

-  32.158888, -103.938374
-  High
-  Low
-  Medium



Google Earth

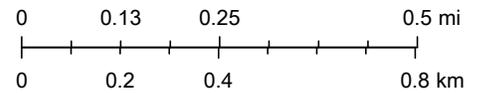
Active Mines in New Mexico



1/12/2023, 1:28:38 PM

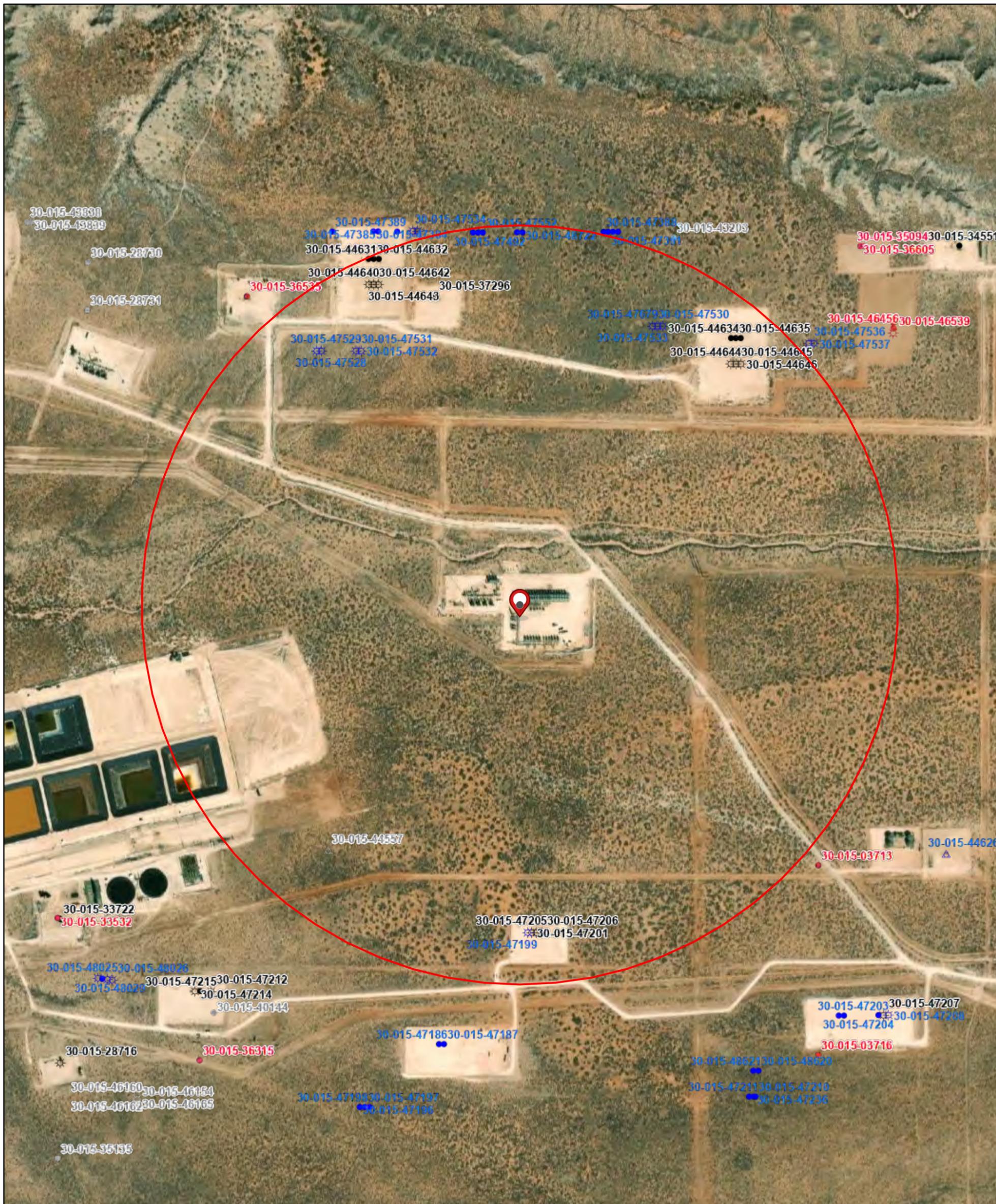
1:18,056

- Land Ownership
- BLM
 - S
 - PLSS Second Division
 - PLSS First Division
 - PLSS Townships



U.S. BLM, Maxar, BLM

OCD Well Locations

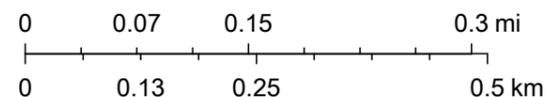


1/12/2023, 1:22:59 PM

Wells - Large Scale

- Oil, Cancelled
- ⊛ Gas, Active
- ⊛ Gas, Cancelled
- ⊛ Gas, New
- ⊛ Gas, Plugged
- Oil, Active
- Oil, New
- Oil, Plugged
- △ Salt Water Injection, Cancelled
- △ Salt Water Injection, New

1:9,028



Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Esri, HERE, Garmin, iPC, Maxar

OSE POD Locations Map



1/12/2023, 1:59:51 PM

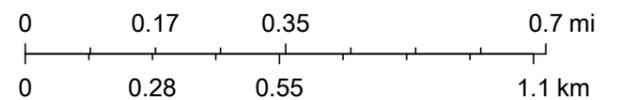
GIS WATERS PODs

New Mexico State Trust Lands

- Active
- Plugged
- OSE District Boundary

- Both Estates
- SiteBoundaries

1:18,056



Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar

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

Incident ID	NAB1903659101
District RP	2RP-5221
Facility ID	fAB1903657998
Application ID	pAB1903658089

Release Notification

Responsible Party

Responsible Party	OXY USA INC.	OGRID	16696
Contact Name	WADE DITTRICH	Contact Telephone	(575) 390-2828
Contact email	WADE_DITTRICH@OXY.COM	Incident # (assigned by OCD)	NAB1903659101
Contact mailing address	PO BOX 4294; HOUSTON, TX 77210		

Location of Release Source

Latitude N 32.15888 Longitude W-103.93818
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	CORRAL CANYON 36-25 CTB	Site Type	BATTERY
Date Release Discovered	1/22/19	API# (if applicable)	

Unit Letter	Section	Township	Range	County
K	1	25S	29E	EDDY COUNTY, NM

Surface Owner: State Federal Tribal Private (Name: _____)

**STATE AB

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 100 BBLS	Volume Recovered (bbls) 80 BBLS
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

COMPROMISED SEAL ON CIRCULATING PUMP

Form C-141

State of New Mexico
Oil Conservation Division

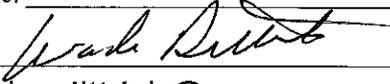
Page 2

Incident ID	NAB1903659101
District RP	2RP-5221
Facility ID	fAB1903657998
Application ID	pAB1903658089

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? THE RELEASE IS GREATER THAN 25 BBLS.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? YES BY WADE DITTRICH OF OXY TO MIKE BRATCHER AND ROBERT HAMLET OF NMOCD AND SHELLY TUCKER OF THE BLM VIA EMAIL ON 1/23-19 @ 10:11 AM	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
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: <u>Wade Dittrich</u> Title: <u>Environmental Coordinator</u> Signature: <u></u> Date: <u>1-29-19</u> email: <u>wade_dittrich@oxy.com</u> Telephone: <u>(575) 390-2828</u>
OCD Only Received by: <u></u> Date: <u>2/05/2019</u>



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: cbrunson@bbcinternational.com

DELINEATION/REMEDIATION WORKPLAN

OXY – CORRAL CANYON 36-25 CTB (Leak Date: 1/22/19)

Incident ID: NAB1903659101

This delineation workplan and remediation proposal addresses the releases associated with Incident ID #NAB1903659101.

The following information includes:

1. Appropriate completed and signed C-141 pages.
2. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
3. GPS information for sample points and sample methodology.
4. Depth to groundwater information (i.e., pdf of OSE search results, USGS search results).
5. Watercourse/features map within 1000 feet.
6. BLM Cave Karst map.
7. FEMA National Flood map.
8. Laboratory analysis results summary table and original laboratory analysis reports.
9. Potentially other pertinent information as necessary for site specific purposes.

Based on the information included in this package and the NMOCD rules, the following remediation is proposed:

OXY will excavate the spill area as depicted on the following site diagram. The leak area near SP1 – SP3 (LIGHT BLUE shade on diagram) will be excavated to a depth of 3 feet. The leak area near SP4 (PINK shade on diagram) will be excavated to a depth of 5 feet. The leak area near SP5 (YELLOW shade on diagram) will be excavated to a depth of 3 feet.

OXY requests to collect bottom and sidewall confirmation samples every 200 square feet. The estimated amount of soil to be excavated is 411 cubic yards. The remediation will be completed within 90 days of approval.

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate agency or private surface owner.
All excavated materials will be disposed of at an NMOCD-approved disposal facility.

Form C-141

State of New Mexico
Oil Conservation Division

Page 3

Incident ID	NAB1903659101
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	264 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including 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 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.

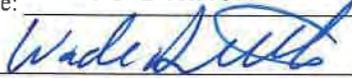
Form C-141

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NAB1903659101
District RP	
Facility ID	
Application ID	

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: Wade Dittrich Title: Environmental Coordinator
 Signature:  Date: 5-19-21
 email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

Form C-141

State of New Mexico
Oil Conservation Division

Page 5

Incident ID	NAB1903659101
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Wade Dittrich Title: Environmental Coordinator

Signature:  Date: 5-19-21

email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

Oxy Corral Canyon 36-25 CTB

Leak Date: 1-22-19
Eddy County, NM
Incident ID: NAB1903659101

Legend

-  3' EXCAVATION
-  3' EXCAVATION - B
-  5' EXCAVATION
-  Leak area
-  SAMPLE POINT





SAMPLE POINTS – CORRAL CANYON 36-25 CTB(1-22-19)

SP1 N 32.158984° W-103.938412°

SP2 N 32.158894° W-103.938373°

SP3 N 32.158889° W-103.938198°

SP4 N 32.158904° W-103.938041°

SP5 N 32.158907° W-103.937873°

SP N N 32.158960° W-103.938199°

SP E N 32.158909° W-103.937789°

SP W N 32.158938° W-103.938475°

SP S N 32.158846° W-103.938186°

Laboratory Analytical Results Summary
 Oxy, CORRAL CANYON 36-25(1-22-19)

		Sample ID	SP N @ SURFACE	SP E @ SURFACE	SP W @ SURFACE	SP S @ SURFACE
Analyte	Method	Date	4/29/21	4/30/21	5/1/21	5/2/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		64.0	96.0	192.0	256.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample ID	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'
Analyte	Method	Date	4/29/21	4/30/21	5/1/21	5/2/21	5/3/21	5/4/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.059	<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		1.59	0.124	0.064	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		0.931	<0.050	1.24	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		8.8	4.11	0.202	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		11.4	4.23	1.51	<16.0	N/A	N/A
Chloride	SM4500Cl-B		16.0	<16.0	<16.0	403.0	32.0	32.0
GRO	TPH 8015M		264	107	32.9	<10.0	N/A	N/A
DRO	TPH 8015M		30100	1580	1740	81.2	N/A	N/A
EXT DRO	TPH 8015M		5370	204	232	<10.0	N/A	N/A

		Sample ID	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'
Analyte	Method	Date	4/29/21	4/30/21	5/1/21	5/2/21	5/3/21	5/4/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		0.405	1.19	0.6	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		0.319	<0.050	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		2.71	16.2	9.33	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		3.43	17.4	9.93	<0.300	N/A	N/A
Chloride	SM4500Cl-B		16.0	32.0	96.0	16.0	32.0	48.0
GRO	TPH 8015M		108	529	353	<10.0	N/A	N/A
DRO	TPH 8015M		38300	3160	2990	69.5	N/A	N/A
EXT DRO	TPH 8015M		7560	311	313	<10.0	N/A	N/A

		Sample ID	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'	SP3 @ 6'
Analyte	Method	Date	4/30/21	4/30/21	4/30/21	4/30/21	4/30/21	4/30/21	4/30/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.238	0.701	0.283	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.167	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		1.48	12.6	6.23	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		1.88	13.3	6.51	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		32.0	32.0	16.0	32.0	32.0	32.0	16.0
GRO	TPH 8015M		59.7	643	268	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		40100	5730	3170	85.5	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		8340	638	359	<10.0	<10.0	<10.0	<10.0

Laboratory Analytical Results Summary
 Oxy, CORRAL CANYON 36-25(1-22-19)

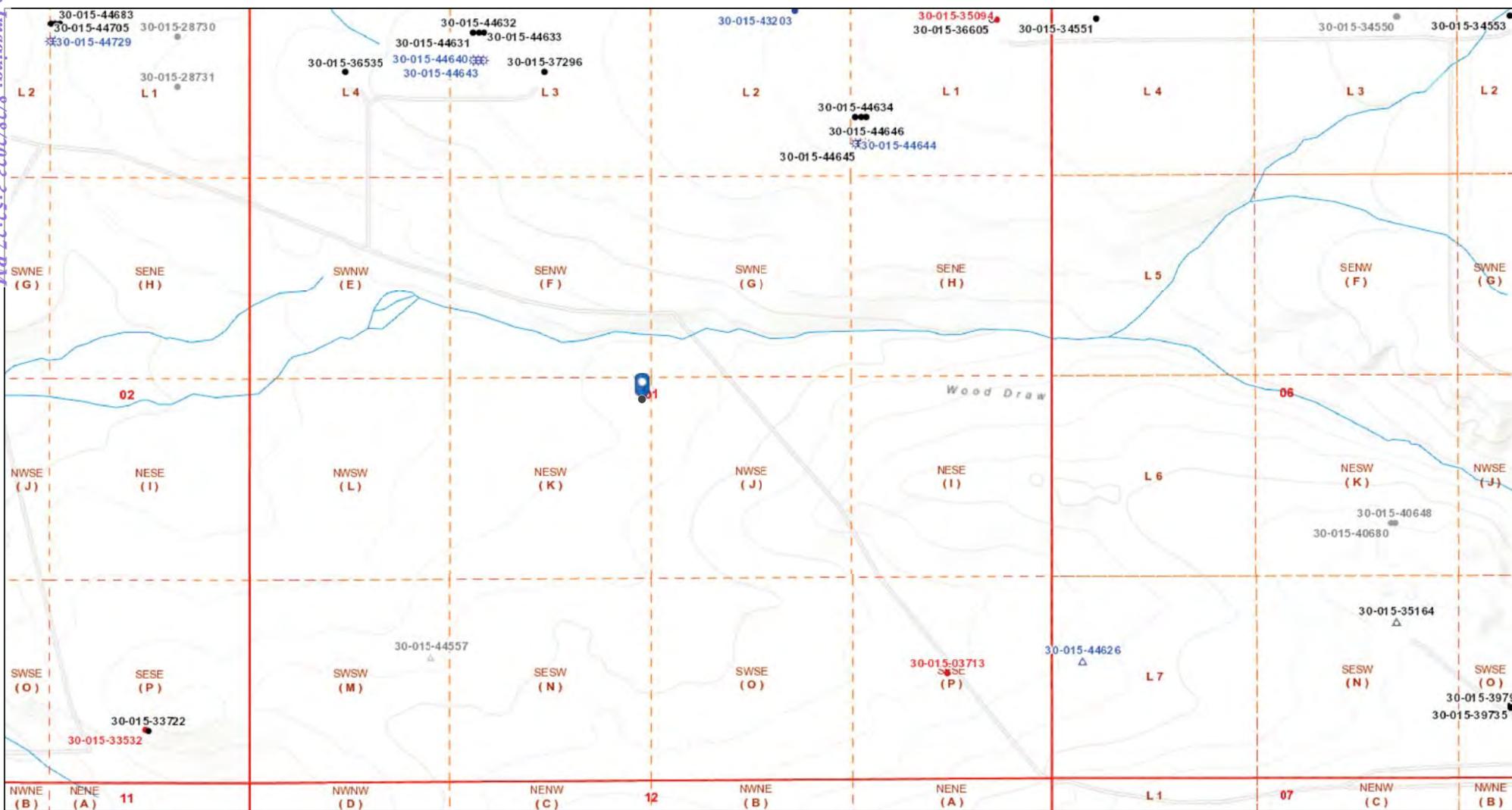
Analyte	Method	Sample ID	SP4 @	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 5'	SP4 @ 6'
			SURFACE						
			4/30/21	4/30/21	4/30/21	4/30/21	4/30/21	4/30/21	4/30/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	0.34	0.32	0.187	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.069	3.22	<0.050	2.82	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	1.12	5.99	1.35	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	4.68	6.31	4.36	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		32.0	16.0	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	139	337	198	12.8	<10.0	<10.0
DRO	TPH 8015M		12700	2950	6080	5160	863	<10.0	<10.0
EXT DRO	TPH 8015M		3090	542	1040	907	164	<10.0	<10.0

Analyte	Method	Sample ID	SP5 @	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'	SP5 @ 5'
			SURFACE					
			4/30/21	4/30/21	4/30/21	4/30/21	4/30/21	4/30/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.054	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.076	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.926	0.341	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		1.06	0.341	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	64.0	80.0	48.0	16.0	16.0
GRO	TPH 8015M		87.2	22.1	11.1	<10.0	<10.0	<10.0
DRO	TPH 8015M		13200	921	522	59.3	<10.0	<10.0
EXT DRO	TPH 8015M		4570	198	114	10.7	<10.0	<10.0

Corral Canyon 36-25 CTB, Topo Map with Water Features

Released to Imaging: 8/28/2023 3:52:27 PM

Received by OCD: 6/1/2023 2:06:12 PM



1/29/2019 12:45:25 PM

1:9,028

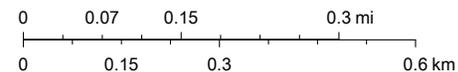
Well Locations - Small Scale

Well Locations - Large Scale

- Active
- New
- Plugged
- Cancelled
- Temporarily Abandoned
- Miscellaneous
- ☀ CO2 Active
- ☀ CO2 Cancelled
- ☀ CO2 New
- ☀ CO2 Plugged
- ☀ CO2 Temporarily Abandoned

- ☀ Gas Active
- ☀ Gas, Cancelled, Never Drilled
- ☀ Gas, New
- ☀ Gas, Plugged
- ☀ Gas, Temporarily Abandoned
- ☀ Injection, Active
- ⊖ Injection, Cancelled
- ⊖ Injection, New
- ⊖ Injection, Plugged
- ⊖ Injection, Temporarily Abandoned
- Oil, Active
- Oil, Cancelled

- Oil, New
- Oil, Plugged
- Oil, Temporarily Abandoned
- △ Salt Water Injection, Active
- △ Salt Water Injection, Cancelled
- △ Salt Water Injection, New
- △ Salt Water Injection, Plugged
- △ Salt Water Injection Temporarily Abandoned
- Water, Active
- Water, Cancelled
- Water, New
- Water, Plugged



Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA, OCD, BLM

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Oxy, Corral Canyon 36-25 CTB

Leak date: 1/22/19
Eddy County, NM
2RP-5221

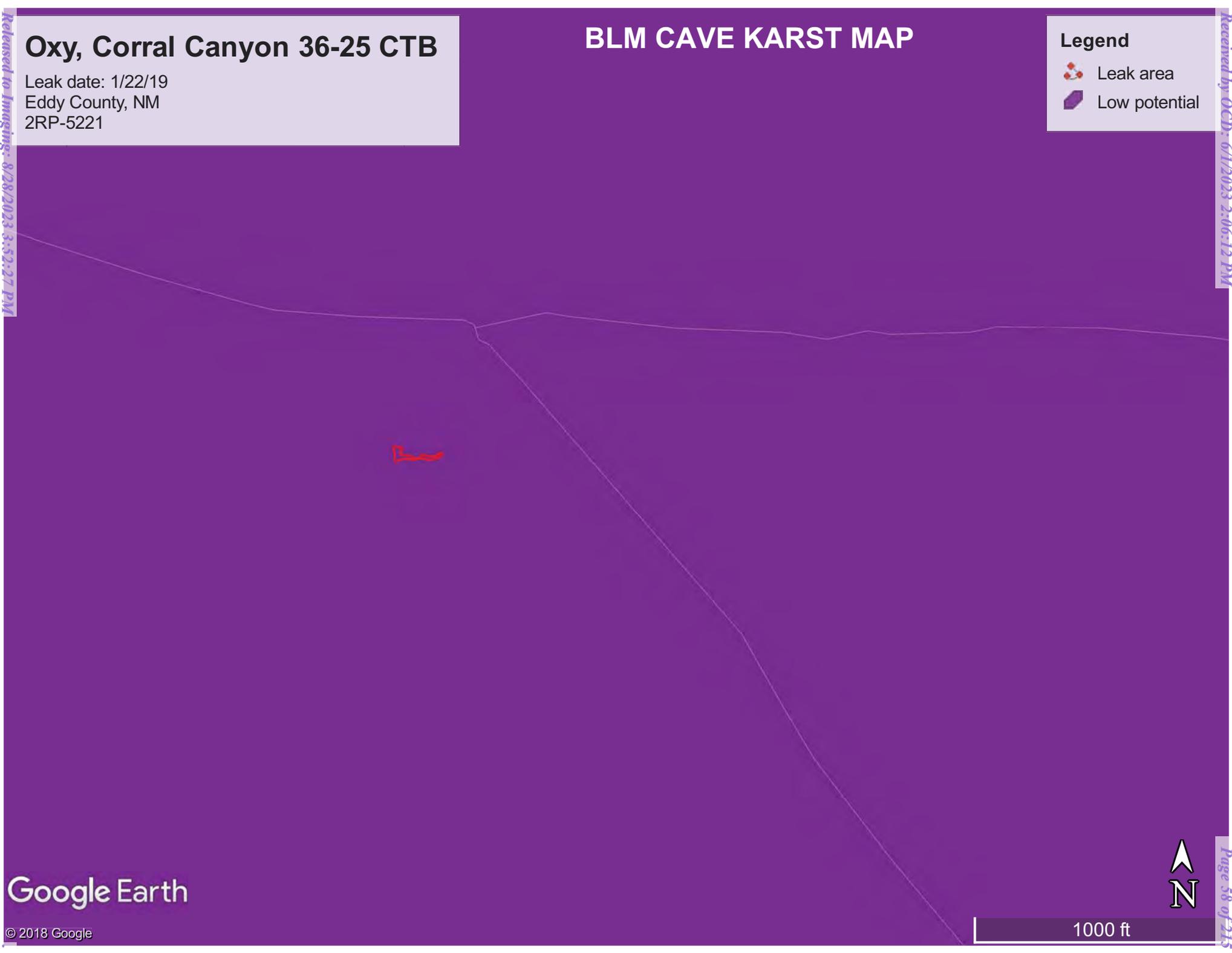
BLM CAVE KARST MAP

Legend

-  Leak area
-  Low potential

Released to Imaging: 8/28/2023 8:52:27 PM

Received by: OCD: 6/1/2023 2:06:12 PM



Google Earth

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1000 ft



Page 58 of 215

National Flood Hazard Layer FIRMette



32°9'46.76"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile
		Future Conditions 1% Annual Chance Flood Hazard
		Area with Reduced Flood Risk due to Levee. See Notes.
		Area with Flood Risk due to Levee

OTHER AREAS		Area of Minimal Flood Hazard
		Effective LOMRs
		Area of Undetermined Flood Hazard

GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/22/2019 at 12:33:50 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

USGS The National Map: Orthoimagery. Data refreshed April, 2019.



32°9'16.31"N

103°55'58.83"W

Retrieved by: Imaginor - 8/28/2023 3:52:27 PM
MapC 95353009

Retrieved by: OCD: 6/19/2023 2:06:12 PM

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Data Category: Geographic Area:

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Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
 site_no list =

- 320857103553301

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320857103553301 25S.30E.07.112331

Eddy County, New Mexico
 Latitude 32°08'57", Longitude 103°55'33" NAD27
 Land-surface elevation 3,169 feet above NAVD88
 The depth of the well is 385 feet below land surface.
 This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1959-02-05		D	263.63				2		U	
1959-03-07		D	263.30				2		U	
1987-10-20		D	264.25				2		U	
1992-11-06		D	263				0		S	
1998-01-28		D	264.12				2		V	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	0	Water level accuracy to nearest foot
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Method of measurement	V	Calibrated electric-tape measurement.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.

Section	Code	Description
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>

Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2019-07-22 12:22:35 EDT

0.48 0.45 nadww02



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

May 12, 2021

Cliff Brunson
BBC International, Inc.
P.O. Box 805
Hobbs, NM 88241

RE: CORRAL CANYON 36-25 CTB

Enclosed are the results of analyses for samples received by the laboratory on 05/03/21 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 accredited through the State of Colorado Department of Public Health and Environment for:

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

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

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

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

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

Sincerely,

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: CORRAL CANYON 36-25 CTB
Project Number: (1-22 - 19)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
12-May-21 10:32

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP N @ SURFACE	H211125-01	Soil	29-Apr-21 10:05	03-May-21 16:30
SP E @ SURFACE	H211125-02	Soil	29-Apr-21 10:16	03-May-21 16:30
SP W @ SURFACE	H211125-03	Soil	29-Apr-21 10:33	03-May-21 16:30
SP S @ SURFACE	H211125-04	Soil	29-Apr-21 10:47	03-May-21 16:30
SP 1 @ SURFACE	H211125-05	Soil	29-Apr-21 11:12	03-May-21 16:30
SP 1 @ 1'	H211125-06	Soil	29-Apr-21 11:21	03-May-21 16:30
SP 1 @ 2'	H211125-07	Soil	29-Apr-21 11:33	03-May-21 16:30
SP 1 @ 3'	H211125-08	Soil	29-Apr-21 11:47	03-May-21 16:30
SP 1 @ 4'	H211125-09	Soil	29-Apr-21 12:07	03-May-21 16:30
SP 1 @ 5'	H211125-10	Soil	29-Apr-21 12:45	03-May-21 16:30
SP 2 @ SURFACE	H211125-11	Soil	29-Apr-21 12:54	03-May-21 16:30
SP 2 @ 1'	H211125-12	Soil	29-Apr-21 13:09	03-May-21 16:30
SP 2 @ 2'	H211125-13	Soil	29-Apr-21 13:18	03-May-21 16:30
SP 2 @ 3'	H211125-14	Soil	29-Apr-21 13:30	03-May-21 16:30
SP 2 @ 4'	H211125-15	Soil	29-Apr-21 13:44	03-May-21 16:30
SP 2 @ 5'	H211125-16	Soil	29-Apr-21 13:53	03-May-21 16:30
SP 3 @ SURFACE	H211125-17	Soil	30-Apr-21 09:45	03-May-21 16:30
SP 3 @ 1'	H211125-18	Soil	30-Apr-21 09:57	03-May-21 16:30
SP 3 @ 2'	H211125-19	Soil	30-Apr-21 10:14	03-May-21 16:30
SP 3 @ 3'	H211125-20	Soil	30-Apr-21 10:26	03-May-21 16:30
SP 3 @ 4'	H211125-21	Soil	30-Apr-21 10:47	03-May-21 16:30
SP 3 @ 5'	H211125-22	Soil	30-Apr-21 11:08	03-May-21 16:30
SP 3 @ 6'	H211125-23	Soil	30-Apr-21 11:19	03-May-21 16:30
SP 4 @ SURFACE	H211125-24	Soil	30-Apr-21 11:30	03-May-21 16:30
SP 4 @ 1'	H211125-25	Soil	30-Apr-21 11:38	03-May-21 16:30
SP 4 @ 2'	H211125-26	Soil	30-Apr-21 11:51	03-May-21 16:30
SP 4 @ 3'	H211125-27	Soil	30-Apr-21 12:46	03-May-21 16:30

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* = Accredited Analyte

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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SP 4 @ 4'	H211125-28	Soil	30-Apr-21 12:54	03-May-21 16:30
SP 4 @ 5'	H211125-29	Soil	30-Apr-21 13:04	03-May-21 16:30
SP 4 @ 6'	H211125-30	Soil	30-Apr-21 13:15	03-May-21 16:30
SP 5 @ SURFACE	H211125-31	Soil	30-Apr-21 13:23	03-May-21 16:30
SP 5 @ 1'	H211125-32	Soil	30-Apr-21 13:30	03-May-21 16:30
SP 5 @ 2'	H211125-33	Soil	30-Apr-21 13:41	03-May-21 16:30
SP 5 @ 3'	H211125-34	Soil	30-Apr-21 13:50	03-May-21 16:30
SP 5 @ 4'	H211125-35	Soil	30-Apr-21 14:03	03-May-21 16:30
SP 5 @ 5'	H211125-36	Soil	30-Apr-21 14:14	03-May-21 16:30

05/12/21 - Client added BTEX and TPH to samples -29 and -30. This is the revised report and will replace the one sent on 05/06/21.

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
--	---	------------------------------

**SP N @ SURFACE
H211125-01 (Soil)**

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

Cardinal Laboratories

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	1050506	GM	05-May-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050401	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050401	MS	04-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			95.6 %		69.9-140	1050401	MS	04-May-21	8021B	
---------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	

Surrogate: 1-Chlorooctane			84.6 %		44.3-133	1050403	MS	04-May-21	8015B	
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Surrogate: 1-Chlorooctadecane			90.2 %		38.9-142	1050403	MS	04-May-21	8015B	
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*=Accredited Analyte

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
--	---	------------------------------

**SP E @ SURFACE
H211125-02 (Soil)**

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

Inorganic Compounds

Chloride	96.0		16.0	mg/kg	4	1050506	GM	05-May-21	4500-CI-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050401	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050401	MS	04-May-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.0 %		69.9-140	1050401	MS	04-May-21	8021B	
--	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			82.7 %		44.3-133	1050403	MS	04-May-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			88.6 %		38.9-142	1050403	MS	04-May-21	8015B	
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
--	---	------------------------------

**SP W @ SURFACE
H211125-03 (Soil)**

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

Inorganic Compounds

Chloride	192		16.0	mg/kg	4	1050506	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050401	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050401	MS	04-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.4 %		69.9-140	1050401	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	

Surrogate: 1-Chlorooctane			85.2 %		44.3-133	1050403	MS	04-May-21	8015B	
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Surrogate: 1-Chlorooctadecane			90.8 %		38.9-142	1050403	MS	04-May-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
--	---	------------------------------

**SP S @ SURFACE
H211125-04 (Soil)**

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

Inorganic Compounds

Chloride	256		16.0	mg/kg	4	1050506	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050401	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050401	MS	04-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			95.8 %		69.9-140	1050401	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	

Surrogate: 1-Chlorooctane			89.0 %		44.3-133	1050403	MS	04-May-21	8015B	
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Surrogate: 1-Chlorooctadecane			94.4 %		38.9-142	1050403	MS	04-May-21	8015B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 1 @ SURFACE
H211125-05 (Soil)**

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

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	1050506	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	0.059		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Toluene*	1.59		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Ethylbenzene*	0.931		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Total Xylenes*	8.80		0.150	mg/kg	50	1050401	MS	04-May-21	8021B	
Total BTEX	11.4		0.300	mg/kg	50	1050401	MS	04-May-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			169 %	69.9-140		1050401	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

S-06

GRO C6-C10*	264		50.0	mg/kg	5	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	30100		50.0	mg/kg	5	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	5370		50.0	mg/kg	5	1050405	MS	05-May-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			175 %	44.3-133		1050405	MS	05-May-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			1660 %	38.9-142		1050405	MS	05-May-21	8015B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 1 @ 1'
H211125-06 (Soil)**

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

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	1050506	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Toluene*	0.124		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1
Total Xylenes*	4.11		0.150	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1
Total BTEX	4.23		0.300	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID)			323 %	69.9-140		1050401	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	107		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	1580		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	204		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane			112 %	44.3-133		1050405	MS	05-May-21	8015B	
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Surrogate: 1-Chlorooctadecane			150 %	38.9-142		1050405	MS	05-May-21	8015B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 1 @ 2'
H211125-07 (Soil)**

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

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	1050506	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Toluene*	0.064		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1
Ethylbenzene*	1.24		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1
Total Xylenes*	0.202		0.150	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1
Total BTEX	1.51		0.300	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID)			264 %	69.9-140		1050401	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	32.9		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	1740		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	232		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
Surrogate: 1-Chlorooctane			84.9 %	44.3-133		1050405	MS	05-May-21	8015B	
Surrogate: 1-Chlorooctadecane			146 %	38.9-142		1050405	MS	05-May-21	8015B	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 1 @ 3'
H211125-08 (Soil)**

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

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	1050506	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050401	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050401	MS	04-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			95.7 %		69.9-140	1050401	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	81.2		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane			96.8 %		44.3-133	1050405	MS	05-May-21	8015B	
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Surrogate: 1-Chlorooctadecane			107 %		38.9-142	1050405	MS	05-May-21	8015B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 1 @ 4'
H211125-09 (Soil)**

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	1050506	GM	05-May-21	4500-CI-B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 1 @ 5'
H211125-10 (Soil)**

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	1050506	GM	05-May-21	4500-CI-B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 2 @ SURFACE
H211125-11 (Soil)**

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

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	1050506	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Toluene*	0.405		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Ethylbenzene*	0.319		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Total Xylenes*	2.71		0.150	mg/kg	50	1050401	MS	04-May-21	8021B	
Total BTEX	3.43		0.300	mg/kg	50	1050401	MS	04-May-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			120 %	69.9-140		1050401	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

S-06

GRO C6-C10*	108		50.0	mg/kg	5	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	38300		50.0	mg/kg	5	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	7560		50.0	mg/kg	5	1050405	MS	05-May-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			133 %	44.3-133		1050405	MS	05-May-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			2440 %	38.9-142		1050405	MS	05-May-21	8015B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 2 @ 1'
H211125-12 (Soil)**

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Toluene*	1.19		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1
Total Xylenes*	16.2		0.150	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1
Total BTEX	17.4		0.300	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			333 %	69.9-140		1050401	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	529		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	3160		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	311		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			179 %	44.3-133		1050405	MS	05-May-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			206 %	38.9-142		1050405	MS	05-May-21	8015B	
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 2 @ 2'
H211125-13 (Soil)**

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

Inorganic Compounds

Chloride	96.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	
Toluene*	0.600		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1, QM-07
Total Xylenes*	9.33		0.150	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1, QM-07
Total BTEX	9.93		0.300	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1
Surrogate: 4-Bromofluorobenzene (PID)			281 %	69.9-140		1050402	MS	05-May-21	8021B	

Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	353		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	2990		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	313		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
Surrogate: 1-Chlorooctane			170 %	44.3-133		1050405	MS	05-May-21	8015B	
Surrogate: 1-Chlorooctadecane			208 %	38.9-142		1050405	MS	05-May-21	8015B	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 2 @ 3'
H211125-14 (Soil)**

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

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			95.2 %		69.9-140	1050402	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	69.5		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.2 %		44.3-133	1050405	MS	05-May-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			109 %		38.9-142	1050405	MS	05-May-21	8015B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 2 @ 4'
H211125-15 (Soil)**

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-CI-B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 2 @ 5'
H211125-16 (Soil)**

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

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-CI-B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 3 @ SURFACE
H211125-17 (Soil)**

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	
Toluene*	0.238		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	
Ethylbenzene*	0.167		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	
Total Xylenes*	1.48		0.150	mg/kg	50	1050402	MS	05-May-21	8021B	
Total BTEX	1.88		0.300	mg/kg	50	1050402	MS	05-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %	69.9-140		1050402	MS	05-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

S-06

GRO C6-C10*	59.7		50.0	mg/kg	5	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	40100		50.0	mg/kg	5	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	8340		50.0	mg/kg	5	1050405	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane			119 %	44.3-133		1050405	MS	05-May-21	8015B	
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Surrogate: 1-Chlorooctadecane			2650 %	38.9-142		1050405	MS	05-May-21	8015B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 3 @ 1'
H211125-18 (Soil)**

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	
Toluene*	0.701		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1
Total Xylenes*	12.6		0.150	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1
Total BTEX	13.3		0.300	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			366 %	69.9-140		1050402	MS	05-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	643		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	5730		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	638		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			228 %	44.3-133		1050405	MS	05-May-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			298 %	38.9-142		1050405	MS	05-May-21	8015B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 3 @ 2'
H211125-19 (Soil)**

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

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	
Toluene*	0.283		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1
Total Xylenes*	6.23		0.150	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1
Total BTEX	6.51		0.300	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			243 %	69.9-140		1050402	MS	05-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	268		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	3170		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	359		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			149 %	44.3-133		1050405	MS	05-May-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			206 %	38.9-142		1050405	MS	05-May-21	8015B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 3 @ 3'
H211125-20 (Soil)**

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			95.5 %	69.9-140		1050402	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	85.5		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			96.1 %	44.3-133		1050405	MS	05-May-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			104 %	38.9-142		1050405	MS	05-May-21	8015B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 3 @ 4'
H211125-21 (Soil)**

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			94.3 %		69.9-140	1050402	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane			88.2 %		44.3-133	1050405	MS	05-May-21	8015B	
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Surrogate: 1-Chlorooctadecane			94.9 %		38.9-142	1050405	MS	05-May-21	8015B	
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 3 @ 5'
H211125-22 (Soil)**

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-CI-B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 3 @ 6'
H211125-23 (Soil)**

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

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			95.9 %		69.9-140	1050402	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			93.4 %		44.3-133	1050405	MS	05-May-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			100 %		38.9-142	1050405	MS	05-May-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 4 @ SURFACE
H211125-24 (Soil)**

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Ethylbenzene*	0.069		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		1050402	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

S-06

GRO C6-C10*	<50.0		50.0	mg/kg	5	1050502	MS	05-May-21	8015B	
DRO >C10-C28*	12700		50.0	mg/kg	5	1050502	MS	05-May-21	8015B	QM-07, QR-03
EXT DRO >C28-C36	3090		50.0	mg/kg	5	1050502	MS	05-May-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			98.4 %	44.3-133		1050502	MS	05-May-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			923 %	38.9-142		1050502	MS	05-May-21	8015B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 4 @ 1'
H211125-25 (Soil)**

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

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	0.340		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
Ethylbenzene*	3.22		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
Total Xylenes*	1.12		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
Total BTEX	4.68		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID)			344 %	69.9-140		1050402	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	139		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
DRO >C10-C28*	2950		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	QM-07
EXT DRO >C28-C36	542		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane			94.9 %	44.3-133		1050503	MS	05-May-21	8015B	
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Surrogate: 1-Chlorooctadecane			142 %	38.9-142		1050503	MS	05-May-21	8015B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 4 @ 2'
H211125-26 (Soil)**

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

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	0.320		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
Total Xylenes*	5.99		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
Total BTEX	6.31		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID)			404 %	69.9-140		1050402	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	337		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
DRO >C10-C28*	6080		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
EXT DRO >C28-C36	1040		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
Surrogate: 1-Chlorooctane			193 %	44.3-133		1050503	MS	05-May-21	8015B	
Surrogate: 1-Chlorooctadecane			219 %	38.9-142		1050503	MS	05-May-21	8015B	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 4 @ 3'
H211125-27 (Soil)**

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

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

S-04

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	0.187		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
Ethylbenzene*	2.82		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
Total Xylenes*	1.35		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
Total BTEX	4.36		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID)			359 %	69.9-140		1050402	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	198		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
DRO >C10-C28*	5160		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
EXT DRO >C28-C36	907		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
Surrogate: 1-Chlorooctane			135 %	44.3-133		1050503	MS	05-May-21	8015B	
Surrogate: 1-Chlorooctadecane			185 %	38.9-142		1050503	MS	05-May-21	8015B	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 4 @ 4'
H211125-28 (Soil)**

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

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		1050402	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	12.8		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
DRO >C10-C28*	863		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
EXT DRO >C28-C36	164		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane			82.2 %	44.3-133		1050503	MS	05-May-21	8015B	
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Surrogate: 1-Chlorooctadecane			95.4 %	38.9-142		1050503	MS	05-May-21	8015B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 4 @ 5'
H211125-29 (Soil)**

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

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1050612	MS	07-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050612	MS	07-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050612	MS	07-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050612	MS	07-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050612	MS	07-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			94.1 %	69.9-140		1050612	MS	07-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050704	MS	07-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1050704	MS	07-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050704	MS	07-May-21	8015B	

Surrogate: 1-Chlorooctane			98.3 %	44.3-133		1050704	MS	07-May-21	8015B	
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Surrogate: 1-Chlorooctadecane			94.3 %	38.9-142		1050704	MS	07-May-21	8015B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 4 @ 6'
H211125-30 (Soil)**

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

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1050612	MS	07-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050612	MS	07-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050612	MS	07-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050612	MS	07-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050612	MS	07-May-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			92.5 %		69.9-140	1050612	MS	07-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050704	MS	07-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1050704	MS	07-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050704	MS	07-May-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			91.3 %		44.3-133	1050704	MS	07-May-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.9 %		38.9-142	1050704	MS	07-May-21	8015B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 5 @ SURFACE
H211125-31 (Soil)**

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

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	0.054		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Ethylbenzene*	0.076		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Total Xylenes*	0.926		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	
Total BTEX	1.06		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %	69.9-140		1050402	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

S-06

GRO C6-C10*	87.2		50.0	mg/kg	5	1050503	MS	05-May-21	8015B	
DRO >C10-C28*	13200		50.0	mg/kg	5	1050503	MS	05-May-21	8015B	
EXT DRO >C28-C36	4570		50.0	mg/kg	5	1050503	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane			93.2 %	44.3-133		1050503	MS	05-May-21	8015B	
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Surrogate: 1-Chlorooctadecane			577 %	38.9-142		1050503	MS	05-May-21	8015B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 5 @ 1'
H211125-32 (Soil)**

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

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	1050508	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
Total Xylenes*	0.341		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
Total BTEX	0.341		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			119 %	69.9-140		1050402	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	22.1		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
DRO >C10-C28*	921		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
EXT DRO >C28-C36	198		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			95.0 %	44.3-133		1050503	MS	05-May-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			110 %	38.9-142		1050503	MS	05-May-21	8015B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 5 @ 2'
H211125-33 (Soil)**

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

Inorganic Compounds

Chloride	80.0		16.0	mg/kg	4	1050508	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %	69.9-140		1050402	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	11.1		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
DRO >C10-C28*	522		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
EXT DRO >C28-C36	114		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			82.2 %	44.3-133		1050503	MS	05-May-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			90.2 %	38.9-142		1050503	MS	05-May-21	8015B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 5 @ 3'
H211125-34 (Soil)**

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

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	1050508	GM	05-May-21	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			95.6 %		69.9-140	1050402	MS	04-May-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
DRO >C10-C28*	59.3		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
EXT DRO >C28-C36	10.7		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			85.0 %		44.3-133	1050503	MS	05-May-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			88.0 %		38.9-142	1050503	MS	05-May-21	8015B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 5 @ 4'
H211125-35 (Soil)**

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

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	1050508	GM	05-May-21	4500-CI-B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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**SP 5 @ 5'
H211125-36 (Soil)**

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

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	1050508	GM	05-May-21	4500-CI-B	
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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1050506 - 1:4 DI Water										
Blank (1050506-BLK1)				Prepared & Analyzed: 05-May-21						
Chloride	ND	16.0	mg/kg							
LCS (1050506-BS1)				Prepared & Analyzed: 05-May-21						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (1050506-BSD1)				Prepared & Analyzed: 05-May-21						
Chloride	400	16.0	mg/kg	400		100	80-120	3.92	20	
Duplicate (1050506-DUP1)				Source: H211123-02			Prepared & Analyzed: 05-May-21			
Chloride	864	16.0	mg/kg		912			5.41	20	
Matrix Spike (1050506-MS1)				Source: H211123-02			Prepared & Analyzed: 05-May-21			
Chloride	1330	16.0	mg/kg	400	912	104	80-120			
Batch 1050507 - 1:4 DI Water										
Blank (1050507-BLK1)				Prepared & Analyzed: 05-May-21						
Chloride	ND	16.0	mg/kg							
LCS (1050507-BS1)				Prepared & Analyzed: 05-May-21						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (1050507-BSD1)				Prepared & Analyzed: 05-May-21						
Chloride	400	16.0	mg/kg	400		100	80-120	3.92	20	
Duplicate (1050507-DUP1)				Source: H211125-12			Prepared & Analyzed: 05-May-21			
Chloride	32.0	16.0	mg/kg		32.0			0.00	20	

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1050507 - 1:4 DI Water

Matrix Spike (1050507-MS1)	Source: H211125-12		Prepared & Analyzed: 05-May-21							
Chloride	448	16.0	mg/kg	400	32.0	104	80-120			

Batch 1050508 - 1:4 DI Water

Blank (1050508-BLK1)	Prepared & Analyzed: 05-May-21									
Chloride	ND	16.0	mg/kg							

LCS (1050508-BS1)	Prepared & Analyzed: 05-May-21									
Chloride	400	16.0	mg/kg	400		100	80-120			

LCS Dup (1050508-BSD1)	Prepared & Analyzed: 05-May-21									
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	

Duplicate (1050508-DUP1)	Source: H211125-32		Prepared & Analyzed: 05-May-21							
Chloride	64.0	16.0	mg/kg		64.0			0.00	20	

Matrix Spike (1050508-MS1)	Source: H211125-32		Prepared & Analyzed: 05-May-21							
Chloride	448	16.0	mg/kg	400	64.0	96.0	80-120			

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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: CORRAL CANYON 36-25 CTB
Project Number: (1-22 - 19)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
12-May-21 10:32

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1050401 - Volatiles**Blank (1050401-BLK1)**

Prepared & Analyzed: 04-May-21

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>	<i>ND</i>		<i>mg/kg</i>	<i>0.0500</i>		<i>95.6</i>	<i>69.9-140</i>			

LCS (1050401-BS1)

Prepared & Analyzed: 04-May-21

Benzene	2.00	0.050	mg/kg	2.00		100	89.9-120			
Toluene	1.94	0.050	mg/kg	2.00		97.2	90.8-117			
Ethylbenzene	1.89	0.050	mg/kg	2.00		94.3	88.9-116			
m,p-Xylene	3.75	0.100	mg/kg	4.00		93.8	85.5-118			
o-Xylene	1.84	0.050	mg/kg	2.00		91.9	85.5-118			
Total Xylenes	5.59	0.150	mg/kg	6.00		93.2	85.5-118			
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>	<i>0.0465</i>		<i>mg/kg</i>	<i>0.0500</i>		<i>93.1</i>	<i>69.9-140</i>			

LCS Dup (1050401-BSD1)

Prepared & Analyzed: 04-May-21

Benzene	2.19	0.050	mg/kg	2.00		109	89.9-120	8.68	10.3	
Toluene	2.14	0.050	mg/kg	2.00		107	90.8-117	9.67	10.5	
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	88.9-116	8.89	10.8	
m,p-Xylene	4.04	0.100	mg/kg	4.00		101	85.5-118	7.44	10.7	
o-Xylene	2.01	0.050	mg/kg	2.00		100	85.5-118	8.80	10.7	
Total Xylenes	6.05	0.150	mg/kg	6.00		101	85.5-118	7.89	10.7	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>	<i>0.0471</i>		<i>mg/kg</i>	<i>0.0500</i>		<i>94.1</i>	<i>69.9-140</i>			

Matrix Spike (1050401-MS1)

Source: H211123-01

Prepared & Analyzed: 04-May-21

Benzene	1.88	0.050	mg/kg	2.00	ND	93.8	79.3-125			
Toluene	1.84	0.050	mg/kg	2.00	0.006	91.8	71.7-129			
Ethylbenzene	1.79	0.050	mg/kg	2.00	ND	89.4	64.4-135			
m,p-Xylene	3.55	0.100	mg/kg	4.00	ND	88.9	61.2-136			
o-Xylene	1.74	0.050	mg/kg	2.00	ND	86.8	61.2-136			
Total Xylenes	5.29	0.150	mg/kg	6.00	ND	88.2	61.2-136			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: CORRAL CANYON 36-25 CTB
Project Number: (1-22 - 19)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
12-May-21 10:32

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1050401 - Volatiles**Matrix Spike (1050401-MS1)**

Source: H211123-01

Prepared & Analyzed: 04-May-21

Surrogate: 4-Bromofluorobenzene (PID) 0.0467 mg/kg 0.0500 93.4 69.9-140

Matrix Spike Dup (1050401-MSD1)

Source: H211123-01

Prepared & Analyzed: 04-May-21

Benzene	1.94	0.050	mg/kg	2.00	ND	97.0	79.3-125	3.43	13.4
Toluene	1.90	0.050	mg/kg	2.00	0.006	94.6	71.7-129	3.04	13.1
Ethylbenzene	1.85	0.050	mg/kg	2.00	ND	92.6	64.4-135	3.51	13.9
m,p-Xylene	3.68	0.100	mg/kg	4.00	ND	91.9	61.2-136	3.37	15.3
o-Xylene	1.79	0.050	mg/kg	2.00	ND	89.7	61.2-136	3.31	15.3
Total Xylenes	5.47	0.150	mg/kg	6.00	ND	91.2	61.2-136	3.35	15.3

Surrogate: 4-Bromofluorobenzene (PID) 0.0472 mg/kg 0.0500 94.3 69.9-140

Batch 1050402 - Volatiles**Blank (1050402-BLK1)**

Prepared & Analyzed: 04-May-21

Benzene	ND	0.050	mg/kg						
Toluene	ND	0.050	mg/kg						
Ethylbenzene	ND	0.050	mg/kg						
Total Xylenes	ND	0.150	mg/kg						
Total BTEX	ND	0.300	mg/kg						

Surrogate: 4-Bromofluorobenzene (PID) ND mg/kg 0.0500 95.1 69.9-140

LCS (1050402-BS1)

Prepared & Analyzed: 04-May-21

Benzene	2.03	0.050	mg/kg	2.00		102	89.9-120		
Toluene	1.98	0.050	mg/kg	2.00		98.8	90.8-117		
Ethylbenzene	1.92	0.050	mg/kg	2.00		95.8	88.9-116		
m,p-Xylene	3.81	0.100	mg/kg	4.00		95.3	85.5-118		
o-Xylene	1.86	0.050	mg/kg	2.00		92.9	85.5-118		
Total Xylenes	5.67	0.150	mg/kg	6.00		94.5	85.5-118		

Surrogate: 4-Bromofluorobenzene (PID) 0.0465 mg/kg 0.0500 93.1 69.9-140

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: CORRAL CANYON 36-25 CTB
Project Number: (1-22 - 19)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
12-May-21 10:32

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1050402 - Volatiles**LCS Dup (1050402-BSD1)**

Prepared & Analyzed: 04-May-21

Benzene	2.23	0.050	mg/kg	2.00		112	89.9-120	9.39	10.3	
Toluene	2.18	0.050	mg/kg	2.00		109	90.8-117	9.71	10.5	
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	88.9-116	10.1	10.8	
m,p-Xylene	4.19	0.100	mg/kg	4.00		105	85.5-118	9.56	10.7	
o-Xylene	2.08	0.050	mg/kg	2.00		104	85.5-118	11.1	10.7	QR-04
Total Xylenes	6.27	0.150	mg/kg	6.00		104	85.5-118	10.1	10.7	
Surrogate: 4-Bromofluorobenzene (PID)	0.0474		mg/kg	0.0500		94.9	69.9-140			

Matrix Spike (1050402-MS1)

Source: H211125-13

Prepared: 04-May-21 Analyzed: 05-May-21

Benzene	2.04	0.050	mg/kg	2.00	ND	102	79.3-125			
Toluene	2.42	0.050	mg/kg	2.00	0.600	90.7	71.7-129			
Ethylbenzene	3.07	0.050	mg/kg	2.00	ND	153	64.4-135			QM-07
m,p-Xylene	8.19	0.100	mg/kg	4.00	6.20	49.8	61.2-136			QM-07
o-Xylene	2.68	0.050	mg/kg	2.00	3.13	NR	61.2-136			QM-07
Total Xylenes	10.9	0.150	mg/kg	6.00	9.33	25.7	61.2-136			QM-07
Surrogate: 4-Bromofluorobenzene (PID)	0.133		mg/kg	0.0500		267	69.9-140			S-04

Matrix Spike Dup (1050402-MSD1)

Source: H211125-13

Prepared: 04-May-21 Analyzed: 05-May-21

Benzene	2.13	0.050	mg/kg	2.00	ND	106	79.3-125	4.35	13.4	
Toluene	2.54	0.050	mg/kg	2.00	0.600	96.8	71.7-129	4.92	13.1	
Ethylbenzene	3.24	0.050	mg/kg	2.00	ND	162	64.4-135	5.37	13.9	QM-07
m,p-Xylene	8.45	0.100	mg/kg	4.00	6.20	56.2	61.2-136	3.08	15.3	QM-07
o-Xylene	2.73	0.050	mg/kg	2.00	3.13	NR	61.2-136	1.80	15.3	QM-07
Total Xylenes	11.2	0.150	mg/kg	6.00	9.33	30.8	61.2-136	2.77	15.3	QM-07
Surrogate: 4-Bromofluorobenzene (PID)	0.134		mg/kg	0.0500		269	69.9-140			S-04

Batch 1050612 - Volatiles**Blank (1050612-BLK1)**

Prepared: 06-May-21 Analyzed: 07-May-21

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: CORRAL CANYON 36-25 CTB
Project Number: (1-22 - 19)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
12-May-21 10:32

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1050612 - Volatiles**Blank (1050612-BLK1)**

Prepared: 06-May-21 Analyzed: 07-May-21

Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		93.1	69.9-140			

LCS (1050612-BS1)

Prepared: 06-May-21 Analyzed: 07-May-21

Benzene	2.12	0.050	mg/kg	2.00		106	89.9-120			
Toluene	2.09	0.050	mg/kg	2.00		105	90.8-117			
Ethylbenzene	2.05	0.050	mg/kg	2.00		102	88.9-116			
m,p-Xylene	4.06	0.100	mg/kg	4.00		102	85.5-118			
o-Xylene	1.99	0.050	mg/kg	2.00		99.5	85.5-118			
Total Xylenes	6.05	0.150	mg/kg	6.00		101	85.5-118			
Surrogate: 4-Bromofluorobenzene (PID)	0.0463		mg/kg	0.0500		92.5	69.9-140			

LCS Dup (1050612-BSD1)

Prepared: 06-May-21 Analyzed: 07-May-21

Benzene	2.16	0.050	mg/kg	2.00		108	89.9-120	2.06	10.3	
Toluene	2.13	0.050	mg/kg	2.00		106	90.8-117	1.70	10.5	
Ethylbenzene	2.08	0.050	mg/kg	2.00		104	88.9-116	1.77	10.8	
m,p-Xylene	4.13	0.100	mg/kg	4.00		103	85.5-118	1.62	10.7	
o-Xylene	2.02	0.050	mg/kg	2.00		101	85.5-118	1.31	10.7	
Total Xylenes	6.15	0.150	mg/kg	6.00		102	85.5-118	1.52	10.7	
Surrogate: 4-Bromofluorobenzene (PID)	0.0454		mg/kg	0.0500		90.9	69.9-140			

Matrix Spike (1050612-MS1)

Source: H211161-14

Prepared: 06-May-21 Analyzed: 07-May-21

Benzene	2.01	0.050	mg/kg	2.00	ND	100	79.3-125			
Toluene	1.99	0.050	mg/kg	2.00	0.006	99.7	71.7-129			
Ethylbenzene	1.97	0.050	mg/kg	2.00	ND	98.4	64.4-135			
m,p-Xylene	3.92	0.100	mg/kg	4.00	ND	98.1	61.2-136			
o-Xylene	1.89	0.050	mg/kg	2.00	ND	94.3	61.2-136			
Total Xylenes	5.81	0.150	mg/kg	6.00	ND	96.8	61.2-136			
Surrogate: 4-Bromofluorobenzene (PID)	0.0449		mg/kg	0.0500		89.8	69.9-140			

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

Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1050612 - Volatiles

Matrix Spike Dup (1050612-MSD1)

Source: H211161-14

Prepared: 06-May-21 Analyzed: 07-May-21

Benzene	2.15	0.050	mg/kg	2.00	ND	107	79.3-125	6.84	13.4	
Toluene	2.11	0.050	mg/kg	2.00	0.006	106	71.7-129	5.89	13.1	
Ethylbenzene	2.08	0.050	mg/kg	2.00	ND	104	64.4-135	5.31	13.9	
m,p-Xylene	4.13	0.100	mg/kg	4.00	ND	103	61.2-136	4.99	15.3	
o-Xylene	2.00	0.050	mg/kg	2.00	ND	100	61.2-136	6.04	15.3	
Total Xylenes	6.13	0.150	mg/kg	6.00	ND	102	61.2-136	5.33	15.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0446		mg/kg	0.0500		89.2	69.9-140			

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1050403 - General Prep - Organics

Blank (1050403-BLK1)			Prepared & Analyzed: 04-May-21							
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	45.6		mg/kg	50.0		91.3	44.3-133			
Surrogate: 1-Chlorooctadecane	46.7		mg/kg	50.0		93.3	38.9-142			

LCS (1050403-BS1)			Prepared & Analyzed: 04-May-21							
GRO C6-C10	204	10.0	mg/kg	200		102	83.4-129			
DRO >C10-C28	200	10.0	mg/kg	200		99.8	84.3-133			
Total TPH C6-C28	404	10.0	mg/kg	400		101	85.3-130			
Surrogate: 1-Chlorooctane	52.4		mg/kg	50.0		105	44.3-133			
Surrogate: 1-Chlorooctadecane	51.4		mg/kg	50.0		103	38.9-142			

LCS Dup (1050403-BSD1)			Prepared & Analyzed: 04-May-21							
GRO C6-C10	206	10.0	mg/kg	200		103	83.4-129	0.721	12.6	
DRO >C10-C28	207	10.0	mg/kg	200		104	84.3-133	3.88	12.1	
Total TPH C6-C28	413	10.0	mg/kg	400		103	85.3-130	2.30	11.6	
Surrogate: 1-Chlorooctane	53.1		mg/kg	50.0		106	44.3-133			
Surrogate: 1-Chlorooctadecane	52.7		mg/kg	50.0		105	38.9-142			

Matrix Spike (1050403-MS1)			Source: H211119-01		Prepared & Analyzed: 04-May-21					
GRO C6-C10	203	10.0	mg/kg	200	ND	102	65.4-129			
DRO >C10-C28	1320	10.0	mg/kg	200	1140	89.7	46.9-157			
Total TPH C6-C28	1520	10.0	mg/kg	400	1140	95.7	53.9-146			
Surrogate: 1-Chlorooctane	57.3		mg/kg	50.0		115	44.3-133			
Surrogate: 1-Chlorooctadecane	83.1		mg/kg	50.0		166	38.9-142			S-04

Matrix Spike Dup (1050403-MSD1)			Source: H211119-01		Prepared & Analyzed: 04-May-21					
GRO C6-C10	186	10.0	mg/kg	200	ND	93.1	65.4-129	8.85	35.1	
DRO >C10-C28	1410	10.0	mg/kg	200	1140	134	46.9-157	39.6	58.3	
Total TPH C6-C28	1600	10.0	mg/kg	400	1140	114	53.9-146	17.1	68.4	
Surrogate: 1-Chlorooctane	51.2		mg/kg	50.0		102	44.3-133			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1050403 - General Prep - Organics

Matrix Spike Dup (1050403-MSD1)	Source: H211119-01		Prepared & Analyzed: 04-May-21							
Surrogate: 1-Chlorooctadecane	82.1		mg/kg	50.0		164	38.9-142			S-04

Batch 1050405 - General Prep - Organics

Blank (1050405-BLK1)	Prepared & Analyzed: 04-May-21									
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GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.2		mg/kg	50.0		94.5	44.3-133			
Surrogate: 1-Chlorooctadecane	51.9		mg/kg	50.0		104	38.9-142			

LCS (1050405-BS1)	Prepared & Analyzed: 04-May-21									
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GRO C6-C10	194	10.0	mg/kg	200		97.2	83.4-129			
DRO >C10-C28	208	10.0	mg/kg	200		104	84.3-133			
Total TPH C6-C28	402	10.0	mg/kg	400		101	85.3-130			
Surrogate: 1-Chlorooctane	52.7		mg/kg	50.0		105	44.3-133			
Surrogate: 1-Chlorooctadecane	55.7		mg/kg	50.0		111	38.9-142			

LCS Dup (1050405-BSD1)	Prepared & Analyzed: 04-May-21									
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GRO C6-C10	190	10.0	mg/kg	200		94.9	83.4-129	2.37	12.6	
DRO >C10-C28	192	10.0	mg/kg	200		95.9	84.3-133	8.15	12.1	
Total TPH C6-C28	382	10.0	mg/kg	400		95.4	85.3-130	5.31	11.6	
Surrogate: 1-Chlorooctane	52.5		mg/kg	50.0		105	44.3-133			
Surrogate: 1-Chlorooctadecane	56.0		mg/kg	50.0		112	38.9-142			

Matrix Spike (1050405-MS1)	Source: H211120-01		Prepared: 04-May-21 Analyzed: 05-May-21							
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GRO C6-C10	177	10.0	mg/kg	200	ND	88.7	65.4-129			
DRO >C10-C28	287	10.0	mg/kg	200	ND	143	46.9-157			
Total TPH C6-C28	464	10.0	mg/kg	400	ND	116	53.9-146			
Surrogate: 1-Chlorooctane	47.5		mg/kg	50.0		95.0	44.3-133			
Surrogate: 1-Chlorooctadecane	54.2		mg/kg	50.0		108	38.9-142			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1050405 - General Prep - Organics

Matrix Spike Dup (1050405-MSD1)	Source: H211120-01			Prepared: 04-May-21 Analyzed: 05-May-21						
GRO C6-C10	177	10.0	mg/kg	200	ND	88.6	65.4-129	0.173	35.1	
DRO >C10-C28	173	10.0	mg/kg	200	ND	86.3	46.9-157	49.8	58.3	
Total TPH C6-C28	350	10.0	mg/kg	400	ND	87.4	53.9-146	28.2	68.4	
Surrogate: 1-Chlorooctane	43.0		mg/kg	50.0		86.1	44.3-133			
Surrogate: 1-Chlorooctadecane	45.4		mg/kg	50.0		90.7	38.9-142			

Batch 1050502 - General Prep - Organics

Blank (1050502-BLK1)	Prepared & Analyzed: 05-May-21									
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	46.6		mg/kg	50.0		93.2	44.3-133			
Surrogate: 1-Chlorooctadecane	49.3		mg/kg	50.0		98.5	38.9-142			

LCS (1050502-BS1)	Prepared & Analyzed: 05-May-21									
GRO C6-C10	196	10.0	mg/kg	200		97.9	83.4-129			
DRO >C10-C28	203	10.0	mg/kg	200		101	84.3-133			
Total TPH C6-C28	399	10.0	mg/kg	400		99.6	85.3-130			
Surrogate: 1-Chlorooctane	52.9		mg/kg	50.0		106	44.3-133			
Surrogate: 1-Chlorooctadecane	54.5		mg/kg	50.0		109	38.9-142			

LCS Dup (1050502-BSD1)	Prepared & Analyzed: 05-May-21									
GRO C6-C10	182	10.0	mg/kg	200		90.8	83.4-129	7.47	12.6	
DRO >C10-C28	186	10.0	mg/kg	200		93.2	84.3-133	8.45	12.1	
Total TPH C6-C28	368	10.0	mg/kg	400		92.0	85.3-130	7.97	11.6	
Surrogate: 1-Chlorooctane	47.7		mg/kg	50.0		95.4	44.3-133			
Surrogate: 1-Chlorooctadecane	50.4		mg/kg	50.0		101	38.9-142			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: CORRAL CANYON 36-25 CTB
Project Number: (1-22 - 19)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
12-May-21 10:32

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1050502 - General Prep - Organics

Matrix Spike (1050502-MS1)		Source: H211125-24			Prepared & Analyzed: 05-May-21					
GRO C6-C10	186	50.0	mg/kg	200	ND	92.9	65.4-129			
DRO >C10-C28	14700	50.0	mg/kg	200	12700	NR	46.9-157			QM-07
Total TPH C6-C28	14900	50.0	mg/kg	400	12700	551	53.9-146			QM-07
Surrogate: 1-Chlorooctane	53.2		mg/kg	50.0		106	44.3-133			
Surrogate: 1-Chlorooctadecane	515		mg/kg	50.0		NR	38.9-142			S-06
Matrix Spike Dup (1050502-MSD1)		Source: H211125-24			Prepared & Analyzed: 05-May-21					
GRO C6-C10	198	50.0	mg/kg	200	ND	98.8	65.4-129	6.21	35.1	
DRO >C10-C28	16500	50.0	mg/kg	200	12700	NR	46.9-157	61.8	58.3	QM-07, QR-03
Total TPH C6-C28	16700	50.0	mg/kg	400	12700	NR	53.9-146	58.4	68.4	QM-07
Surrogate: 1-Chlorooctane	55.2		mg/kg	50.0		110	44.3-133			
Surrogate: 1-Chlorooctadecane	573		mg/kg	50.0		NR	38.9-142			S-06

Batch 1050503 - General Prep - Organics

Blank (1050503-BLK1)		Prepared & Analyzed: 05-May-21								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	39.6		mg/kg	50.0		79.2	44.3-133			
Surrogate: 1-Chlorooctadecane	37.3		mg/kg	50.0		74.6	38.9-142			
LCS (1050503-BS1)		Prepared & Analyzed: 05-May-21								
GRO C6-C10	197	10.0	mg/kg	200		98.3	83.4-129			
DRO >C10-C28	208	10.0	mg/kg	200		104	84.3-133			
Total TPH C6-C28	404	10.0	mg/kg	400		101	85.3-130			
Surrogate: 1-Chlorooctane	42.4		mg/kg	50.0		84.9	44.3-133			
Surrogate: 1-Chlorooctadecane	39.5		mg/kg	50.0		79.0	38.9-142			

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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: CORRAL CANYON 36-25 CTB
Project Number: (1-22 - 19)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
12-May-21 10:32

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1050503 - General Prep - Organics**LCS Dup (1050503-BSD1)**

Prepared & Analyzed: 05-May-21

GRO C6-C10	194	10.0	mg/kg	200		97.0	83.4-129	1.39	12.6	
DRO >C10-C28	204	10.0	mg/kg	200		102	84.3-133	1.63	12.1	
Total TPH C6-C28	398	10.0	mg/kg	400		99.5	85.3-130	1.51	11.6	
Surrogate: 1-Chlorooctane	41.2		mg/kg	50.0		82.4	44.3-133			
Surrogate: 1-Chlorooctadecane	38.5		mg/kg	50.0		77.0	38.9-142			

Matrix Spike (1050503-MS1)

Source: H211125-25

Prepared & Analyzed: 05-May-21

GRO C6-C10	327	10.0	mg/kg	200	139	94.1	65.4-129			
DRO >C10-C28	3340	10.0	mg/kg	200	2950	194	46.9-157			QM-07
Total TPH C6-C28	3670	10.0	mg/kg	400	3090	144	53.9-146			
Surrogate: 1-Chlorooctane	53.4		mg/kg	50.0		107	44.3-133			
Surrogate: 1-Chlorooctadecane	73.8		mg/kg	50.0		148	38.9-142			S-04

Matrix Spike Dup (1050503-MSD1)

Source: H211125-25

Prepared & Analyzed: 05-May-21

GRO C6-C10	319	10.0	mg/kg	200	139	90.3	65.4-129	4.10	35.1	
DRO >C10-C28	3180	10.0	mg/kg	200	2950	114	46.9-157	52.0	58.3	
Total TPH C6-C28	3500	10.0	mg/kg	400	3090	102	53.9-146	34.1	68.4	
Surrogate: 1-Chlorooctane	59.8		mg/kg	50.0		120	44.3-133			
Surrogate: 1-Chlorooctadecane	75.5		mg/kg	50.0		151	38.9-142			S-04

Batch 1050704 - General Prep - Organics**Blank (1050704-BLK1)**

Prepared & Analyzed: 07-May-21

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	42.9		mg/kg	50.0		85.7	44.3-133			
Surrogate: 1-Chlorooctadecane	41.6		mg/kg	50.0		83.2	38.9-142			

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Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CORRAL CANYON 36-25 CTB Project Number: (1-22 - 19) Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 12-May-21 10:32
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1050704 - General Prep - Organics

LCS (1050704-BS1) Prepared & Analyzed: 07-May-21

GRO C6-C10	212	10.0	mg/kg	200		106	83.4-129			
DRO >C10-C28	226	10.0	mg/kg	200		113	84.3-133			
Total TPH C6-C28	438	10.0	mg/kg	400		110	85.3-130			
Surrogate: 1-Chlorooctane	46.4		mg/kg	50.0		92.8	44.3-133			
Surrogate: 1-Chlorooctadecane	45.5		mg/kg	50.0		91.1	38.9-142			

LCS Dup (1050704-BSD1) Prepared & Analyzed: 07-May-21

GRO C6-C10	208	10.0	mg/kg	200	104	83.4-129	1.94	12.6		
DRO >C10-C28	223	10.0	mg/kg	200	111	84.3-133	1.46	12.1		
Total TPH C6-C28	431	10.0	mg/kg	400	108	85.3-130	1.69	11.6		
Surrogate: 1-Chlorooctane	45.9		mg/kg	50.0	91.8	44.3-133				
Surrogate: 1-Chlorooctadecane	45.1		mg/kg	50.0	90.3	38.9-142				

Matrix Spike (1050704-MS1) Source: H211125-29 Prepared & Analyzed: 07-May-21

GRO C6-C10	214	10.0	mg/kg	200	2.20	106	65.4-129			
DRO >C10-C28	222	10.0	mg/kg	200	1.45	111	46.9-157			
Total TPH C6-C28	436	10.0	mg/kg	400	3.65	108	53.9-146			
Surrogate: 1-Chlorooctane	50.6		mg/kg	50.0	101	44.3-133				
Surrogate: 1-Chlorooctadecane	53.8		mg/kg	50.0	108	38.9-142				

Matrix Spike Dup (1050704-MSD1) Source: H211125-29 Prepared: 07-May-21 Analyzed: 08-May-21

GRO C6-C10	224	10.0	mg/kg	200	2.20	111	65.4-129	4.68	35.1	
DRO >C10-C28	236	10.0	mg/kg	200	1.45	118	46.9-157	6.06	58.3	
Total TPH C6-C28	460	10.0	mg/kg	400	3.65	114	53.9-146	5.41	68.4	
Surrogate: 1-Chlorooctane	51.5		mg/kg	50.0	103	44.3-133				
Surrogate: 1-Chlorooctadecane	55.1		mg/kg	50.0	110	38.9-142				

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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04 The RPD for the BS/BSD was outside of historical limits.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celest D. Keene

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																				
Project Manager: Cliff Brunson				P.O. #:																								
Address: P.O. Box 805				Company: OXY																								
City: Hobbs		State: NM		Zip: 88241		Attn: WADE																						
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:																								
Project #:		Project Owner: Oxy		City:																								
Project Name: CORRAL CANYON 36-25 CTB(1-22-19)				State:				Zip:																				
Project Location:				Phone #:																								
Sampler Name: SIMON RENDON				Fax #:																								
FOR LAB USE ONLY																												
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE		TIME		CL	BTEX	TPH	EXT						
H211125				G	1										4/30/21		1:23		✓	✓	✓							
31		SP5 @ SURFACE													4/30/21		1:30		✓	✓	✓							
32		SP5 @ 1'													4/30/21		1:41		✓	✓	✓							
33		SP5 @ 2'													4/30/21		1:50		✓	✓	✓							
34		SP5 @ 3'													4/30/21		2:03		✓									
35		SP5 @ 4'													4/30/21		2:14		✓									
36		SP5 @ 5'																										

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Relinquished By: <i>Simon Rendon</i>	Date: 5-3-21	Received By: <i>Israel Peña</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 8:00 AM		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <i>Israel Peña</i>	Date: 5-3-21	Received By: <i>Tamara [Signature]</i>	REMARKS:	
	Time: 4:30 PM			
Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other: - 2.2c #113	Cool Intact	<i>VR</i>		
	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



Micro-Blaze[®]

Emergency Liquid Spill Control

PRODUCT INFORMATION

**REMIEDIATES (LIST NOT EXHAUSTIVE)**

- Acetone
- Acrylonitrile
- AFFF Waste
- Anti-Freeze
- Aviation Fuels
- Benzene & Benzene Compounds
- Crude Oil
- Diesel Fuel
- Dimethylformamide
- Fats
- Gasoline
- Grease
- Glycols
- Hydrocarbon Waste
- Kerosene
- Methanol
- Methyl Tertiary Butyl Ether (MTBE)
- Motor Oil
- Odor
- Organic Chemical Waste
- Organic Waste
- Paint Sludge
- Pipeline Condensation
- Polyurethane Resin Waste
- Sludge
- Toluene

Micro-Blaze®

Emergency Liquid Spill Control

Micro-Blaze® Emergency Liquid Spill Control is a safe, non-toxic, microbial formulation used for the bioremediation of hydrocarbons and other organic compounds. It breaks down, degrades, and digests organic waste while also suppressing vapors and eliminating flammability. The proprietary combination of wetting agents, nutrients, and microbes makes it an ideal formulation for use on many pollutants found in spills and contaminated sites.

Our microbes are naturally occurring, not genetically engineered, and found in soils and waters all over the earth. These microbes have been carefully researched, tested, and chosen for their affinity to degrade hydrocarbons and other organic waste.

USES

- Clean up hydrocarbon spills/leaks
- Soil bioremediation
- Vapor suppression
- Equipment, tank, and pipeline cleaning

BENEFITS

- Safe and cost-effective method for in-situ bioremediation of contaminated soils and water
- Elimination of vapors and LELs, creating a safe working environment
- Residue and runoff can be safely sent to industrial and municipal WWTPs
- 10-year shelf life and easy to use concentrate make it convenient to maintain on hand for future emergencies or everyday usage
- Listed on EPA NCP List as a bioremediation agent for 30 years*

* This listing does not mean the EPA approves, recommends, licenses, certifies or authorizes the use of Micro-Blaze® Emergency Liquid Spill Control or any other product on an oil discharge. This listing only means that data has been submitted to EPA as required by subpart J of the NCP §300.915.

Product Details

Appearance:

Cream to tan, opaque liquid, perfumed

pH:

7.0 - 8.0

Shelf Life:

10 Years

Storage:

Avoid temperatures over 48°C for long periods of time. Avoid prolonged freezing.

CAUTION: KEEP OUT OF REACH OF CHILDREN.
Do not take internally. Avoid contact with eyes. Wash thoroughly after handling. Avoid breathing mist. Contains surfactants (soaps) which may irritate eyes or respiratory system. Use with adequate ventilation.

APPLICATION

Micro-Blaze® is a liquid concentrate and must be diluted before application.

DILUTION

Dilute with water between a 3% solution (3 parts Micro-Blaze®, 97 parts water) and a 10% solution (10 parts Micro-Blaze®, 90 parts water). Shake well before dilution and before application.

APPLICATION

Spray the diluted Micro-Blaze® directly onto the contamination with as much agitation as possible until the area is completely saturated. You can use any delivery system/sprayer, such as hand-held sprayers, fire extinguishers, power washers, CAFS systems, and water trucks.

For soil remediation, tilling the soil after application will help in achieving optimal results, though it is not required where not feasible.

HOW MUCH MICRO-BLAZE® DO I NEED?

1 gallon of Micro-Blaze® concentrate, after diluted, will treat either of the following:

- 10 gallons of spilled contamination
- 500 – 700 square feet of contaminated surface
- 5 – 7 cubic yards of contaminated soil

Contact a Micro-Blaze® sales representative for any additional application questions:
technical@micro-blaze.com

PRODUCT SIZES & SPECS



1 Gallon Pail

SKU MBELSC-1
 Dimensions 8" x8" x12"
 Weight 9 lbs



5 Gallon Pail

SKU MBELSC-5
 Dimensions 12" x12" x15"
 Weight 47 lbs
 36 pails /pallet



55 Gallon Drum

SKU MBELSC-55
 Dimensions 24" x 24" x35"
 Weight 500 lbs
 4 drums/pallet



275 Gallon Tote

SKU MBELSC-275
 Dimensions 40" x48" x45"
 Weight 2,500 lbs



330 Gallon Tote

SKU MBELSC-330
 Dimensions 40" x48" x54"
 Weight 3,000 lbs

RELATED PRODUCTS:

CONCRETE STAIN REMOVER (CSR)



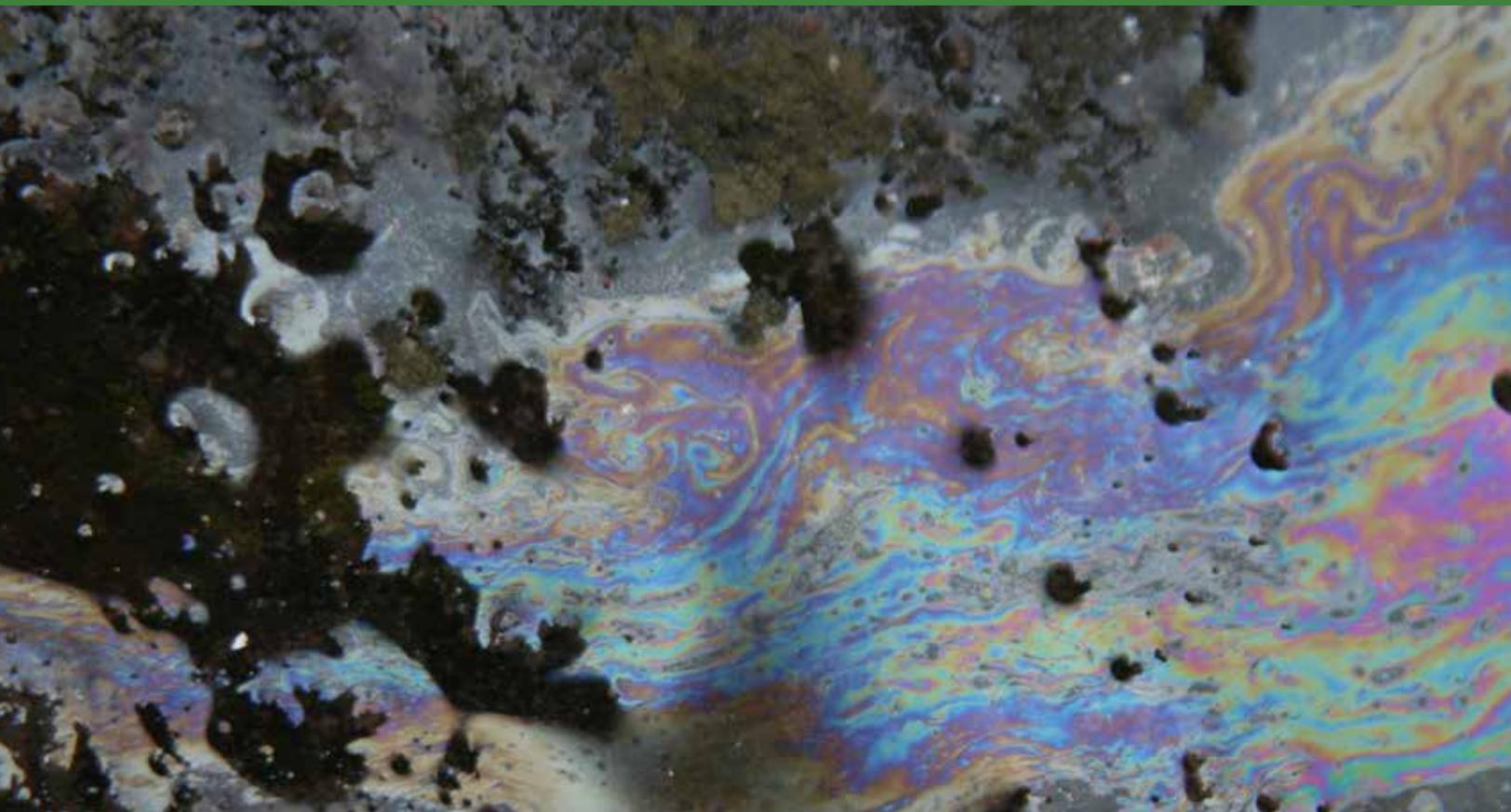
NON-FORMULATED



SCAN FOR MSDS
 FOR ALL PRODUCTS

PARTNERING WITH NATURE

FOR A CLEANER TOMORROW



Verde Environmental, Inc.
9223 Eastex Freeway
Houston, TX 77093

Office: 713.691.6468
Toll Free: 800.626.6598

www.micro-blaze.com



Version 0522



APPENDIX C

Photographic Documentation



View of the release area during remediation activities, facing north (March 29, 2022).



View of the release area during remediation activities, facing northeast (March 29, 2022).



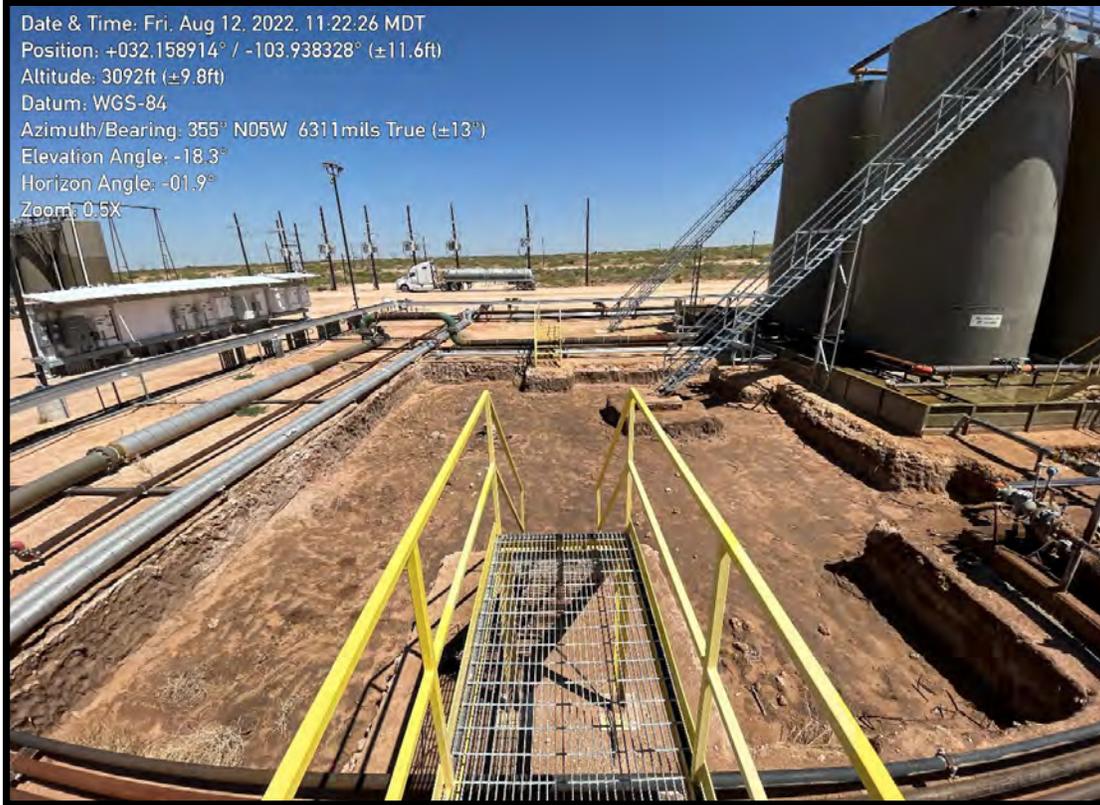
Date & Time: Tue, Mar 29, 2022, 10:19:54 MDT
Position: +032.158951° / -103.938119° (±15.7ft)
Altitude: 3083ft (±10.9ft)
Datum: WGS-84
Azimuth/Bearing: 134° S46E 2382mils True (±13°)
Elevation Angle: -15.2°
Horizon Angle: +00.2°
Zoom: 1.0X

View of the release area during remediation activities, facing southeast (March 29, 2022).



Date & Time: Tue, Mar 29, 2022, 10:20:56 MDT
Position: +032.158818° / -103.937946° (±15.1ft)
Altitude: 3082ft (±11.6ft)
Datum: WGS-84
Azimuth/Bearing: 091° S89E 1618mils True (±12°)
Elevation Angle: +01.0°
Horizon Angle: +00.6°
Zoom: 1.0X

View of the soil stockpile during remediation activities, facing southeast (March 29, 2022).



View of the release area during remediation activities, facing north (August 12, 2022).



View of the release area during remediation activities, facing northeast (August 12, 2022).



View of the soil stockpile plastic liner prior remediation activites, facing east.



View of the soil stockpile during remediation activites, facing southeast.



APPENDIX D

Tables

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Corral Canyon 36 - 25 CTB
 Oxy USA Inc.
 Eddy County, New Mexico
 Ensolum Project No. 03B1417028

Sample Designation	Date	Depth (inches 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 (> 100 feet)			10	NE	NE	NE	50	1,000		NE	2,500	20,000
Composite Floor Sample Analytical Results												
FS-1	4/7/2022	36	<0.050	0.055	<0.050	0.231	<0.300	2,951		577	3,528	32.0
	6/10/2022	36						2,500		566	3,066	NS
	8/12/2022	36						87.3		<10.0	87.3	NS
FS-2	4/7/2022	36	<0.050	<0.050	<0.050	<0.150	<0.300	191		68.5	260	32.0
FS-3	4/7/2022	36	<0.050	<0.050	<0.050	0.525	0.525	4,679		1,010	5,689	16.0
	6/10/2022	36						3,289		684	3,973	NS
	8/12/2022	36						89.0		<10.0	89.0	NS
FS-4	4/7/2022	36	<0.050	<0.050	<0.050	<0.150	<0.300	3,084		657	3,741	16.0
	6/10/2022	36						2,170		514	2,684	NS
	8/12/2022	36						16.0		<10.0	16.0	NS
FS-5	4/7/2022	36	<0.050	0.067	<0.050	<0.150	<0.300	2,948		697	3,645	48.0
	6/10/2022	36						3,271		702	3,973	NS
	8/12/2022	36						53.6		<10.0	53.6	NS
FS-6	4/7/2022	36	<0.050	<0.050	<0.050	0.465	0.465	4,627		1,010	5,637	32.0
	6/10/2022	36						4,797		1,020	5,817	NS
	8/12/2022	36						68.3		<10.0	68.3	NS
FS-7	4/7/2022	36	<0.050	<0.050	<0.050	<0.150	<0.300	2,690		601	3,291	96.0
	6/10/2022	36						2,780		644	3,424	NS
	8/12/2022	36						281		52.3	333	NS
FS-8	4/7/2022	24	<0.050	<0.050	<0.050	0.289	<0.300	968		218	1,186	48.0
FS-9	4/7/2022	12	<0.050	<0.050	0.054	0.617	0.672	4,097		884	4,981	144
	6/10/2022	12						4,090		1,140	5,230	NS
	8/12/2022	12						3,900		879	4,779	NS
	10/13/2022	12						14,800		6,140	20,940	NS
	11/17/2022	12						1,500		428	1,928	NS
1/5/2023	12						570		201	771	NS	
FS-10	4/7/2022	6	<0.050	<0.050	<0.050	0.560	0.560	1,258		248	1,506	32.0
	6/10/2022	6						11,300		3,120	14,420	NS
	8/12/2022	6						2,080		583	2,663	NS
	10/13/2022	6						<10.0		<10.0	<10.0	NS
FS-11	4/7/2022	6	<0.050	<0.050	<0.050	1.36	1.36	5,989		1,200	7,189	80.0
	6/10/2022	6						6,297		1,320	7,617	NS
	8/12/2022	6						199		36.0	235	NS
FS-12	4/7/2022	2	<0.050	<0.050	<0.050	<0.150	<0.300	598		266	864	1,090
FS-13	4/7/2022	2	<0.050	<0.050	<0.050	<0.150	<0.300	14.3		<10.0	14.3	704
FS-14	4/7/2022	2	<0.050	<0.050	<0.050	<0.150	<0.300	28.8		<10.0	28.8	336
FS-15	4/7/2022	3	<0.100	3.90	1.51	14.8	20.2	4,855		1,470	6,325	304
	6/10/2022	3						5,190		1,520	6,710	NS
	8/12/2022	3						1,060		286	1,346	NS
	10/13/2022	3						188		85.0	273	NS
FS-16	4/7/2022	3	<0.050	<0.050	<0.050	0.371	0.371	6,359		1,300	7,659	48.0
	6/10/2022	3						5,550		1,460	7,010	NS
	8/12/2022	3						1,980		461	2,441	NS
	10/13/2022	3						297		121	418	NS

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Corral Canyon 36 - 25 CTB
 Oxy USA Inc.
 Eddy County, New Mexico
 Ensolum Project No. 03B1417028

Sample Designation	Date	Depth (inches 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 (> 100 feet)			10	NE	NE	NE	50	1,000	NE	2,500	20,000	
Sidewall Sample Analytical Results												
N-SW-1	4/7/2022	0 - 36	<0.050	0.060	<0.050	<0.150	<0.300	1,190		279	1,469	80.0
	6/10/2022	0 - 36			NS			588		184	772	NS
N-SW-2	4/7/2022	0 - 6	<0.050	<0.050	<0.050	<0.150	<0.300	2,700		772	3,472	288
	6/10/2022	0 - 6			NS			7,661		1,630	9,291	NS
	8/12/2022	0 - 6			NS			4,380		1,010	5,390	NS
	10/13/2022	0 - 6			NS			345		115	460	NS
E-SW-1	4/7/2022	0 - 36	<0.050	<0.050	<0.050	<0.150	<0.300	2,031		531	2,562	32.0
	6/10/2022	0 - 36			NS			617		154	771	NS
E-SW-2	4/7/2022	0 - 24	<0.050	<0.050	<0.050	0.867	0.867	5,085		1,070	6,155	64.0
	6/10/2022	0 - 24			NS			5,182		1,120	6,302	NS
	8/12/2022	0 - 24			NS			925		193	1,118	NS
S-SW-1	4/7/2022	0 - 36	<0.050	<0.050	0.066	0.771	0.837	1,931		417	2,348	32.0
	6/10/2022	0 - 36			NS			913		198	1,111	NS
S-SW-2	4/7/2022	0 - 12	<0.050	0.062	<0.050	0.818	0.880	8,840		1,950	10,790	48.0
	6/10/2022	0 - 12			NS			3,172		693	3,865	NS
	8/12/2022	0 - 12			NS			3,170		706	3,876	NS
	10/13/2022	0 - 12			NS			1,330		570	1,900	NS
	11/17/2022	0 - 12			NS			1,770		487	2,257	NS
	1/5/2023	0 - 12			NS			111		26.1	137	NS
W-SW-1	4/7/2022	0 - 36	<0.050	<0.050	<0.050	<0.150	<0.300	1,600		493	2,093	96.0
	6/10/2022	0 - 36			NS			128		35.1	163	NS
W-SW-2	4/7/2022	0 - 36	<0.050	<0.050	<0.050	0.155	<0.300	3,489		869	4,358	80.0
	6/10/2022	0 - 36			NS			2,850		649	3,499	NS
	8/12/2022	0 - 36			NS			524		107	631	NS
Former Stockpile Location Sample Analytical Results												
STP-1	3/29/2023	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		10.7	10.7	80.0
STP-2	3/29/2023	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	23.1		<10.0	23.1	96.0
STP-3	3/29/2023	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0		<10.0	<10.0	144
STP-4	3/29/2023	0 - 4	<0.050	<0.050	<0.050	<0.150	<0.300	12.7		<10.0	12.7	96.0

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

Additional Excavation Conducted and/or Re-Sampled

bgs: below ground surface

J: The target analyte was positively identified below the quantitation limit and above the detection limit.

mg/kg: milligrams per kilogram

NE: Not Established

NS: Not Sampled

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX E

Laboratory Data Sheets and Chain-of-Custody Documentation



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

April 14, 2022

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

RE: CORRAL CANYON 36 - 25 CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/08/22 9:31.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: FS - 1 3' (H221435-01)

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	04/12/2022	ND	1.91	95.4	2.00	8.47	
Toluene*	0.055	0.050	04/12/2022	ND	1.91	95.3	2.00	8.59	
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	1.82	90.8	2.00	8.70	
Total Xylenes*	0.231	0.150	04/12/2022	ND	5.66	94.3	6.00	8.59	
Total BTEX	<0.300	0.300	04/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/12/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	20.9	10.0	04/12/2022	ND	189	94.7	200	0.117		
DRO >C10-C28*	2930	10.0	04/12/2022	ND	187	93.4	200	2.88		
EXT DRO >C28-C36	577	10.0	04/12/2022	ND						

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 182 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: FS - 2 3' (H221435-02)

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	04/12/2022	ND	1.91	95.4	2.00	8.47		
Toluene*	<0.050	0.050	04/12/2022	ND	1.91	95.3	2.00	8.59		
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	1.82	90.8	2.00	8.70		
Total Xylenes*	<0.150	0.150	04/12/2022	ND	5.66	94.3	6.00	8.59		
Total BTEX	<0.300	0.300	04/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/12/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/12/2022	ND	189	94.7	200	0.117		
DRO >C10-C28*	191	10.0	04/12/2022	ND	187	93.4	200	2.88		
EXT DRO >C28-C36	68.5	10.0	04/12/2022	ND						

Surrogate: 1-Chlorooctane 98.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: FS - 3 3' (H221435-03)

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	04/12/2022	ND	1.91	95.4	2.00	8.47	
Toluene*	<0.050	0.050	04/12/2022	ND	1.91	95.3	2.00	8.59	
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	1.82	90.8	2.00	8.70	
Total Xylenes*	0.525	0.150	04/12/2022	ND	5.66	94.3	6.00	8.59	
Total BTEX	0.525	0.300	04/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/12/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	38.9	10.0	04/12/2022	ND	189	94.7	200	0.117		
DRO >C10-C28*	4640	10.0	04/12/2022	ND	187	93.4	200	2.88		
EXT DRO >C28-C36	1010	10.0	04/12/2022	ND						

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 156 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: FS - 4 3' (H221435-04)

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	04/12/2022	ND	1.91	95.4	2.00	8.47	
Toluene*	<0.050	0.050	04/12/2022	ND	1.91	95.3	2.00	8.59	
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	1.82	90.8	2.00	8.70	
Total Xylenes*	<0.150	0.150	04/12/2022	ND	5.66	94.3	6.00	8.59	
Total BTEX	<0.300	0.300	04/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/12/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	14.2	10.0	04/12/2022	ND	189	94.7	200	0.117		
DRO >C10-C28*	3070	10.0	04/12/2022	ND	187	93.4	200	2.88		
EXT DRO >C28-C36	657	10.0	04/12/2022	ND						

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 201 % 59.5-142

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Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: FS - 5 3' (H221435-05)

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	04/12/2022	ND	1.91	95.4	2.00	8.47	
Toluene*	0.067	0.050	04/12/2022	ND	1.91	95.3	2.00	8.59	
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	1.82	90.8	2.00	8.70	
Total Xylenes*	<0.150	0.150	04/12/2022	ND	5.66	94.3	6.00	8.59	
Total BTEX	<0.300	0.300	04/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/12/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	18.2	10.0	04/12/2022	ND	189	94.7	200	0.117		
DRO >C10-C28*	2930	10.0	04/12/2022	ND	187	93.4	200	2.88		
EXT DRO >C28-C36	697	10.0	04/12/2022	ND						

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 312 % 59.5-142

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Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: FS - 6 3' (H221435-06)

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	04/12/2022	ND	1.91	95.4	2.00	8.47	
Toluene*	<0.050	0.050	04/12/2022	ND	1.91	95.3	2.00	8.59	
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	1.82	90.8	2.00	8.70	
Total Xylenes*	0.465	0.150	04/12/2022	ND	5.66	94.3	6.00	8.59	
Total BTEX	0.465	0.300	04/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/12/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	47.0	10.0	04/12/2022	ND	189	94.7	200	0.117		
DRO >C10-C28*	4580	10.0	04/12/2022	ND	187	93.4	200	2.88		
EXT DRO >C28-C36	1010	10.0	04/12/2022	ND						

Surrogate: 1-Chlorooctane 128 % 66.9-136

Surrogate: 1-Chlorooctadecane 328 % 59.5-142

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Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: FS - 7 3' (H221435-07)

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	04/12/2022	ND	1.91	95.4	2.00	8.47		
Toluene*	<0.050	0.050	04/12/2022	ND	1.91	95.3	2.00	8.59		
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	1.82	90.8	2.00	8.70		
Total Xylenes*	<0.150	0.150	04/12/2022	ND	5.66	94.3	6.00	8.59		
Total BTEX	<0.300	0.300	04/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/12/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed 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	04/12/2022	ND	205	102	200	6.56			
DRO >C10-C28*	2690	10.0	04/12/2022	ND	217	108	200	2.94	QM-07		
EXT DRO >C28-C36	601	10.0	04/12/2022	ND							

Surrogate: 1-Chlorooctane 91.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 324 % 59.5-142

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Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: FS - 8 2' (H221435-08)

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	04/13/2022	ND	2.11	105	2.00	1.79	
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	1.33	
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	101	2.00	1.85	
Total Xylenes*	0.289	0.150	04/13/2022	ND	6.26	104	6.00	1.24	
Total BTEX	<0.300	0.300	04/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/12/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed 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	04/12/2022	ND	205	102	200	6.56		
DRO >C10-C28*	968	10.0	04/12/2022	ND	217	108	200	2.94		
EXT DRO >C28-C36	218	10.0	04/12/2022	ND						

Surrogate: 1-Chlorooctane 97.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 177 % 59.5-142

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Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: FS - 9 1' (H221435-09)

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	04/13/2022	ND	2.11	105	2.00	1.79	
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	1.33	
Ethylbenzene*	0.054	0.050	04/13/2022	ND	2.01	101	2.00	1.85	
Total Xylenes*	0.617	0.150	04/13/2022	ND	6.26	104	6.00	1.24	
Total BTEX	0.672	0.300	04/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/12/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	26.6	10.0	04/12/2022	ND	205	102	200	6.56		
DRO >C10-C28*	4070	10.0	04/12/2022	ND	217	108	200	2.94		
EXT DRO >C28-C36	884	10.0	04/12/2022	ND						

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 431 % 59.5-142

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Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: FS - 10 6" (H221435-10)

BTEX 8021B		mg/kg		Analyzed By: MS/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	1.79	
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	1.33	
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	101	2.00	1.85	
Total Xylenes*	0.560	0.150	04/13/2022	ND	6.26	104	6.00	1.24	
Total BTEX	0.560	0.300	04/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 149 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/12/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	17.7	10.0	04/12/2022	ND	205	102	200	6.56	
DRO >C10-C28*	1240	10.0	04/12/2022	ND	217	108	200	2.94	
EXT DRO >C28-C36	248	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 87.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 193 % 59.5-142

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Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: FS - 11 6" (H221435-11)

BTEX 8021B		mg/kg		Analyzed By: MS/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	1.79	
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	1.33	
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	101	2.00	1.85	
Total Xylenes*	1.36	0.150	04/13/2022	ND	6.26	104	6.00	1.24	
Total BTEX	1.36	0.300	04/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 168 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/12/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	68.9	10.0	04/12/2022	ND	205	102	200	6.56	
DRO >C10-C28*	5920	10.0	04/12/2022	ND	217	108	200	2.94	
EXT DRO >C28-C36	1200	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 140 % 66.9-136

Surrogate: 1-Chlorooctadecane 623 % 59.5-142

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Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: FS - 12 2" (H221435-12)

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	04/13/2022	ND	2.11	105	2.00	1.79	
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	1.33	
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	101	2.00	1.85	
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.26	104	6.00	1.24	
Total BTEX	<0.300	0.300	04/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	04/12/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed 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	04/12/2022	ND	205	102	200	6.56		
DRO >C10-C28*	598	10.0	04/12/2022	ND	217	108	200	2.94		
EXT DRO >C28-C36	266	10.0	04/12/2022	ND						

Surrogate: 1-Chlorooctane 80.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 166 % 59.5-142

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Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: FS - 13 2" (H221435-13)

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	04/13/2022	ND	2.11	105	2.00	1.79	
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	1.33	
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	101	2.00	1.85	
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.26	104	6.00	1.24	
Total BTEX	<0.300	0.300	04/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	04/12/2022	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	04/12/2022	ND	205	102	200	6.56	
DRO >C10-C28*	14.3	10.0	04/12/2022	ND	217	108	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 73.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: FS - 14 2" (H221435-14)

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	04/13/2022	ND	2.11	105	2.00	1.79	
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	1.33	
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	101	2.00	1.85	
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.26	104	6.00	1.24	
Total BTEX	<0.300	0.300	04/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	04/12/2022	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	04/12/2022	ND	205	102	200	6.56	
DRO >C10-C28*	28.8	10.0	04/12/2022	ND	217	108	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 77.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.3 % 59.5-142

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Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: FS - 15 3" (H221435-15)

BTEX 8021B		mg/kg		Analyzed By: MS/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	04/13/2022	ND	2.11	105	2.00	1.79	
Toluene*	3.90	0.100	04/13/2022	ND	2.11	105	2.00	1.33	
Ethylbenzene*	1.51	0.100	04/13/2022	ND	2.01	101	2.00	1.85	
Total Xylenes*	14.8	0.300	04/13/2022	ND	6.26	104	6.00	1.24	
Total BTEX	20.2	0.600	04/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 144 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	04/12/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	255	10.0	04/13/2022	ND	189	94.7	200	0.117	
DRO >C10-C28*	4600	10.0	04/13/2022	ND	187	93.4	200	2.88	
EXT DRO >C28-C36	1470	10.0	04/13/2022	ND					

Surrogate: 1-Chlorooctane 118 % 66.9-136

Surrogate: 1-Chlorooctadecane 173 % 59.5-142

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Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: FS - 16 3" (H221435-16)

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	04/13/2022	ND	2.11	105	2.00	1.79	
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	1.33	
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	101	2.00	1.85	
Total Xylenes*	0.371	0.150	04/13/2022	ND	6.26	104	6.00	1.24	
Total BTEX	0.371	0.300	04/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/12/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	28.8	10.0	04/12/2022	ND	205	102	200	6.56		
DRO >C10-C28*	6330	10.0	04/12/2022	ND	217	108	200	2.94		
EXT DRO >C28-C36	1300	10.0	04/12/2022	ND						

Surrogate: 1-Chlorooctane 119 % 66.9-136

Surrogate: 1-Chlorooctadecane 370 % 59.5-142

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Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: N - SW - 1 0-3' (H221435-17)

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	04/13/2022	ND	2.11	105	2.00	1.79	
Toluene*	0.060	0.050	04/13/2022	ND	2.11	105	2.00	1.33	
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	101	2.00	1.85	
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.26	104	6.00	1.24	
Total BTEX	<0.300	0.300	04/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/12/2022	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	04/12/2022	ND	205	102	200	6.56	
DRO >C10-C28*	1190	10.0	04/12/2022	ND	217	108	200	2.94	
EXT DRO >C28-C36	279	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 90.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 136 % 59.5-142

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Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: E - SW - 1 0-3' (H221435-18)

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	04/13/2022	ND	2.11	105	2.00	1.79	
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	1.33	
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	101	2.00	1.85	
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.26	104	6.00	1.24	
Total BTEX	<0.300	0.300	04/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/12/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	10.5	10.0	04/12/2022	ND	189	94.7	200	0.117		
DRO >C10-C28*	2020	10.0	04/12/2022	ND	187	93.4	200	2.88		
EXT DRO >C28-C36	531	10.0	04/12/2022	ND						

Surrogate: 1-Chlorooctane 95.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 155 % 59.5-142

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Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: W - SW - 1 0-3' (H221435-19)

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	04/13/2022	ND	2.11	105	2.00	1.79	
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	1.33	
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	101	2.00	1.85	
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.26	104	6.00	1.24	
Total BTEX	<0.300	0.300	04/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/12/2022	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	04/12/2022	ND	189	94.7	200	0.117	
DRO >C10-C28*	1600	10.0	04/12/2022	ND	187	93.4	200	2.88	
EXT DRO >C28-C36	493	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 90.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 133 % 59.5-142

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Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: S - SW - 1 0-3' (H221435-20)

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	04/13/2022	ND	2.11	105	2.00	1.79	
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	1.33	
Ethylbenzene*	0.066	0.050	04/13/2022	ND	2.01	101	2.00	1.85	
Total Xylenes*	0.771	0.150	04/13/2022	ND	6.26	104	6.00	1.24	
Total BTEX	0.837	0.300	04/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/12/2022	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*	31.1	10.0	04/12/2022	ND	189	94.7	200	0.117	
DRO >C10-C28*	1900	10.0	04/12/2022	ND	187	93.4	200	2.88	
EXT DRO >C28-C36	417	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 85.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 138 % 59.5-142

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Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: W - SW - 2 0-3' (H221435-21)

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	04/13/2022	ND	2.11	105	2.00	1.79	
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	1.33	
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	101	2.00	1.85	
Total Xylenes*	0.155	0.150	04/13/2022	ND	6.26	104	6.00	1.24	
Total BTEX	<0.300	0.300	04/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/12/2022	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*	18.9	10.0	04/12/2022	ND	189	94.7	200	0.117	
DRO >C10-C28*	3470	10.0	04/12/2022	ND	187	93.4	200	2.88	
EXT DRO >C28-C36	869	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 99.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 137 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: E - SW - 2 0-2' (H221435-22)

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	04/13/2022	ND	2.11	105	2.00	1.79	
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	1.33	
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	101	2.00	1.85	
Total Xylenes*	0.867	0.150	04/13/2022	ND	6.26	104	6.00	1.24	
Total BTEX	0.867	0.300	04/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/12/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	55.4	10.0	04/12/2022	ND	189	94.7	200	0.117		
DRO >C10-C28*	5030	10.0	04/12/2022	ND	187	93.4	200	2.88		
EXT DRO >C28-C36	1070	10.0	04/12/2022	ND						

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 169 % 59.5-142

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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:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: S - SW - 2 0-1' (H221435-23)

BTEX 8021B		mg/kg		Analyzed By: MS/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	1.79	
Toluene*	0.062	0.050	04/13/2022	ND	2.11	105	2.00	1.33	
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	101	2.00	1.85	
Total Xylenes*	0.818	0.150	04/13/2022	ND	6.26	104	6.00	1.24	
Total BTEX	0.880	0.300	04/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 161 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/12/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	100	10.0	04/12/2022	ND	189	94.7	200	0.117	
DRO >C10-C28*	8740	10.0	04/12/2022	ND	187	93.4	200	2.88	
EXT DRO >C28-C36	1950	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 138 % 66.9-136

Surrogate: 1-Chlorooctadecane 605 % 59.5-142

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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:	04/08/2022	Sampling Date:	04/07/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY		

Sample ID: N - SW - 2 0-6" (H221435-24)

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	04/13/2022	ND	2.11	105	2.00	1.79	
Toluene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	1.33	
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.01	101	2.00	1.85	
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.26	104	6.00	1.24	
Total BTEX	<0.300	0.300	04/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	04/12/2022	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	04/12/2022	ND	193	96.6	200	1.42	
DRO >C10-C28*	2700	10.0	04/12/2022	ND	207	104	200	3.08	QM-07
EXT DRO >C28-C36	772	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 89.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 129 % 59.5-142

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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.
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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Embolum, LLC
 Project Manager: Scott Samms
 Address: 705 W. Woodley Ave
 City: Midland State: TX zip: 79705
 Phone #: 210 219 8858 Fax #: _____
 Project #: 03B1417028 Project Owner: _____
 Project Name: Cornal Canyon 36-25 CTB
 Project Location: _____
 Sampler Name: Arran Macguez
 P.O. #: 03B1417028
 Company: Embolum, LLC
 Attn: _____
 Address: 705 W Woodley
 City: Midland State: TX zip: 79705
 Phone #: 210 219 8858 Fax #: _____

Lab I.D.	Sample I.D.	Depth	FOR LAB USE ONLY		DATE	TIME	MATRIX			PRESERV.			REMARKS
			(G)RAB OR (C)OMP	# CONTAINERS			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	
H881435	FS-1	3'			4-7-22	1349	X						BTEX #8021B
	FS-2	3'				1357	X						TPH #8015M
	FS-3	3'				1345	X						Chloride #4500
	FS-4	3'				1400							
	FS-5	3'				1408							
	FS-6	3'				1347							
	FS-7	3'				1448							
	FS-8	3'				1509							
	FS-9	3'				1526							
	FS-10	3'				1630							

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Relinquished By: [Signature] Date: 4/8/23 Received By: [Signature] Date: 04/21
 Relinquished By: _____ Date: _____ Received By: _____ Date: _____

Delivered By: (Circle One) Observed Temp. °C: 3.52 Sample Condition: Intact Cool Yes No
 Corrected Temp. °C: 3.02 CHECKED BY: [Signature] (Initials)
 Sampler - UPS - Bus - Other: _____ Thermometer ID #113 Bacteria (only) Yes No
 Correction Factor -0.5°C Yes No Sample Condition: Intact Cool Yes No
 Observed Temp. °C: _____ Corrected Temp. °C: _____

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



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

June 14, 2022

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

RE: CORRAL CANYON 36 - 25 CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/10/22 13:30.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/10/2022	Sampling Date:	06/10/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO., NM		

Sample ID: FS - 1 36" (H222495-01)

TPH 8015M	mg/kg	Analyzed 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	06/11/2022	ND	196	97.8	200	0.461		
DRO >C10-C28*	2500	10.0	06/11/2022	ND	190	95.1	200	0.158		
EXT DRO >C28-C36	566	10.0	06/11/2022	ND						
<hr/>										
Surrogate: 1-Chlorooctane	123 %	66.9-136								
Surrogate: 1-Chlorooctadecane	200 %	59.5-142								

Sample ID: FS - 3 36" (H222495-02)

TPH 8015M	mg/kg	Analyzed By: MS					S-04			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	19.3	10.0	06/11/2022	ND	196	97.8	200	0.461		
DRO >C10-C28*	3270	10.0	06/11/2022	ND	190	95.1	200	0.158		
EXT DRO >C28-C36	684	10.0	06/11/2022	ND						
<hr/>										
Surrogate: 1-Chlorooctane	123 %	66.9-136								
Surrogate: 1-Chlorooctadecane	222 %	59.5-142								

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Analytical Results For:

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

Received:	06/10/2022	Sampling Date:	06/10/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO., NM		

Sample ID: FS - 4 36" (H222495-03)

TPH 8015M	mg/kg	Analyzed 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	06/11/2022	ND	196	97.8	200	0.461		
DRO >C10-C28*	2170	10.0	06/11/2022	ND	190	95.1	200	0.158		
EXT DRO >C28-C36	514	10.0	06/11/2022	ND						
<hr/>										
Surrogate: 1-Chlorooctane	107 %	66.9-136								
Surrogate: 1-Chlorooctadecane	172 %	59.5-142								

Sample ID: FS - 5 36" (H222495-04)

TPH 8015M	mg/kg	Analyzed By: MS					S-04			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	20.7	10.0	06/11/2022	ND	196	97.8	200	0.461		
DRO >C10-C28*	3250	10.0	06/11/2022	ND	190	95.1	200	0.158		
EXT DRO >C28-C36	702	10.0	06/11/2022	ND						
<hr/>										
Surrogate: 1-Chlorooctane	140 %	66.9-136								
Surrogate: 1-Chlorooctadecane	394 %	59.5-142								

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Analytical Results For:

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

Received:	06/10/2022	Sampling Date:	06/10/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO., NM		

Sample ID: FS - 6 36" (H222495-05)

TPH 8015M	mg/kg	Analyzed By: MS					S-04			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	26.7	10.0	06/11/2022	ND	196	97.8	200	0.461		
DRO >C10-C28*	4770	10.0	06/11/2022	ND	190	95.1	200	0.158		
EXT DRO >C28-C36	1020	10.0	06/11/2022	ND						

Surrogate: 1-Chlorooctane 147 % 66.9-136
 Surrogate: 1-Chlorooctadecane 294 % 59.5-142

Sample ID: FS - 7 36" (H222495-06)

TPH 8015M	mg/kg	Analyzed 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	06/10/2022	ND	192	96.1	200	0.639		
DRO >C10-C28*	2780	10.0	06/10/2022	ND	185	92.4	200	6.33	QM-07	
EXT DRO >C28-C36	644	10.0	06/10/2022	ND						

Surrogate: 1-Chlorooctane 119 % 66.9-136
 Surrogate: 1-Chlorooctadecane 217 % 59.5-142

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Analytical Results For:

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

Received:	06/10/2022	Sampling Date:	06/10/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO., NM		

Sample ID: FS - 9 12" (H222495-07)

TPH 8015M	mg/kg	Analyzed 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	06/10/2022	ND	192	96.1	200	0.639		
DRO >C10-C28*	4090	10.0	06/10/2022	ND	185	92.4	200	6.33		
EXT DRO >C28-C36	1140	10.0	06/10/2022	ND						

Surrogate: 1-Chlorooctane 118 % 66.9-136
 Surrogate: 1-Chlorooctadecane 297 % 59.5-142

Sample ID: FS - 10 6" (H222495-08)

TPH 8015M	mg/kg	Analyzed By: MS					S-06			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<50.0	50.0	06/13/2022	ND	192	96.1	200	0.639		
DRO >C10-C28*	11300	50.0	06/13/2022	ND	185	92.4	200	6.33		
EXT DRO >C28-C36	3120	50.0	06/13/2022	ND						

Surrogate: 1-Chlorooctane 108 % 66.9-136
 Surrogate: 1-Chlorooctadecane 1200 % 59.5-142

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Analytical Results For:

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

Received:	06/10/2022	Sampling Date:	06/10/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO., NM		

Sample ID: FS - 11 6" (H222495-09)

TPH 8015M	mg/kg	Analyzed By: MS					S-04			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	26.9	10.0	06/10/2022	ND	192	96.1	200	0.639		
DRO >C10-C28*	6270	10.0	06/10/2022	ND	185	92.4	200	6.33		
EXT DRO >C28-C36	1320	10.0	06/10/2022	ND						

Surrogate: 1-Chlorooctane 126 % 66.9-136
 Surrogate: 1-Chlorooctadecane 191 % 59.5-142

Sample ID: FS - 15 3" (H222495-10)

TPH 8015M	mg/kg	Analyzed 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	06/10/2022	ND	192	96.1	200	0.639		
DRO >C10-C28*	5190	10.0	06/10/2022	ND	185	92.4	200	6.33		
EXT DRO >C28-C36	1520	10.0	06/10/2022	ND						

Surrogate: 1-Chlorooctane 117 % 66.9-136
 Surrogate: 1-Chlorooctadecane 343 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/10/2022	Sampling Date:	06/10/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO., NM		

Sample ID: FS - 16 3" (H222495-11)

TPH 8015M	mg/kg	Analyzed 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	06/10/2022	ND	192	96.1	200	0.639		
DRO >C10-C28*	5550	10.0	06/10/2022	ND	185	92.4	200	6.33		
EXT DRO >C28-C36	1460	10.0	06/10/2022	ND						

Surrogate: 1-Chlorooctane 110 % 66.9-136
 Surrogate: 1-Chlorooctadecane 191 % 59.5-142

Sample ID: N - SW - 1 0-36" (H222495-12)

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	06/10/2022	ND	192	96.1	200	0.639		
DRO >C10-C28*	588	10.0	06/10/2022	ND	185	92.4	200	6.33		
EXT DRO >C28-C36	184	10.0	06/10/2022	ND						

Surrogate: 1-Chlorooctane 111 % 66.9-136
 Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Analytical Results For:

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

Received:	06/10/2022	Sampling Date:	06/10/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO., NM		

Sample ID: N - SW - 2 0-6" (H222495-13)

TPH 8015M	mg/kg	Analyzed By: MS					S-04			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	21.1	10.0	06/10/2022	ND	192	96.1	200	0.639		
DRO >C10-C28*	7640	10.0	06/10/2022	ND	185	92.4	200	6.33		
EXT DRO >C28-C36	1630	10.0	06/10/2022	ND						

Surrogate: 1-Chlorooctane 130 % 66.9-136
 Surrogate: 1-Chlorooctadecane 223 % 59.5-142

Sample ID: E - SW - 1 0-36" (H222495-14)

TPH 8015M	mg/kg	Analyzed By: MS								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/10/2022	ND	192	96.1	200	0.639		
DRO >C10-C28*	617	10.0	06/10/2022	ND	185	92.4	200	6.33		
EXT DRO >C28-C36	154	10.0	06/10/2022	ND						

Surrogate: 1-Chlorooctane 123 % 66.9-136
 Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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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:	06/10/2022	Sampling Date:	06/10/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO., NM		

Sample ID: E - SW - 2 0-24" (H222495-15)

TPH 8015M	mg/kg	Analyzed By: MS					S-04			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	21.5	10.0	06/10/2022	ND	192	96.1	200	0.639		
DRO >C10-C28*	5160	10.0	06/10/2022	ND	185	92.4	200	6.33		
EXT DRO >C28-C36	1120	10.0	06/10/2022	ND						

Surrogate: 1-Chlorooctane 121 % 66.9-136
 Surrogate: 1-Chlorooctadecane 309 % 59.5-142

Sample ID: S - SW - 1 0-36" (H222495-16)

TPH 8015M	mg/kg	Analyzed 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	06/10/2022	ND	192	96.1	200	0.639		
DRO >C10-C28*	913	10.0	06/10/2022	ND	185	92.4	200	6.33		
EXT DRO >C28-C36	198	10.0	06/10/2022	ND						

Surrogate: 1-Chlorooctane 108 % 66.9-136
 Surrogate: 1-Chlorooctadecane 128 % 59.5-142

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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:	06/10/2022	Sampling Date:	06/10/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO., NM		

Sample ID: S - SW - 2 0-12" (H222495-17)

TPH 8015M	mg/kg	Analyzed By: MS					S-04			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	11.6	10.0	06/10/2022	ND	192	96.1	200	0.639		
DRO >C10-C28*	3160	10.0	06/10/2022	ND	185	92.4	200	6.33		
EXT DRO >C28-C36	693	10.0	06/10/2022	ND						

Surrogate: 1-Chlorooctane 117 % 66.9-136
 Surrogate: 1-Chlorooctadecane 239 % 59.5-142

Sample ID: W - SW - 1 0-36" (H222495-18)

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	06/11/2022	ND	192	96.1	200	0.639		
DRO >C10-C28*	128	10.0	06/11/2022	ND	185	92.4	200	6.33		
EXT DRO >C28-C36	35.1	10.0	06/11/2022	ND						

Surrogate: 1-Chlorooctane 119 % 66.9-136
 Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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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:	06/10/2022	Sampling Date:	06/10/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY CO., NM		

Sample ID: W - SW - 2 0-36" (H222495-19)

TPH 8015M	mg/kg	Analyzed 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	06/11/2022	ND	192	96.1	200	0.639		
DRO >C10-C28*	2850	10.0	06/11/2022	ND	185	92.4	200	6.33		
EXT DRO >C28-C36	649	10.0	06/11/2022	ND						
<hr/>										
Surrogate: 1-Chlorooctane	119 %	66.9-136								
Surrogate: 1-Chlorooctadecane	214 %	59.5-142								

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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC
 Project Manager: Beaux Jennings
 Address: 601 N Marientfield Street, Suite 400
 City: Midland State: TX Zip: 79701
 Phone #: 210-219-8858 Fax #: -
 Project #: 03B1417028 Project Owner: -
 Project Name: Cornell Canyon 36-25 CTB
 Project Location: Eddy County, NM
 Sampler Name: Kelly Lowrey
 P.O. #: - Company: Oxy USA Inc.
 Attn: Wade Dittrich
 Address: -
 City: - State: - Zip: -
 Phone #: 575-390-2828
 Fax #: -

Lab I.D.	Sample I.D.	Depth (feet) inches	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			
11	ES-16	3	C	1	X							6-10-22	1040	X
13	W-SW-1	0-36	C	1	X							6-10-22	1045	X
13	W-SW-2	0-36	C	1	X							6-10-22	955	X
14	E-SW-1	0-36	C	1	X							6-10-22	1050	X
15	E-SW-2	0-24	C	1	X							6-10-22	1055	X
16	S-SW-1	0-36	C	1	X							6-10-22	1100	X
17	S-SW-2	0-12	C	1	X							6-10-22	1105	X
18	W-SW-1	0-36	C	1	X							6-10-22	1110	X
19	W-SW-2	0-36	C	1	X							6-10-22	1115	X

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Relinquished By: Kelly Lowrey
 Date: 6/1/2022
 Time: 1330
 Received By: Beaux Jennings
 Date: 6/1/2022
 Time: -

Delivered By: (Circle One) Observed Temp. °C 29.0
 Corrected Temp. °C 29.2
 Sample Condition Cool Intact
 Checked By: [Signature]
 Turnaround Time: Standard RUSH
 Bacteria (only) Sample Condition Cool Intact
 Corrected Temp. °C

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



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

August 16, 2022

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

RE: CORRAL CANYON 36 - 25 CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/12/22 14:12.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/12/2022	Sampling Date:	08/12/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: FS - 1 36" (H223695-01)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2022	ND	214	107	200	0.783	
DRO >C10-C28*	87.3	10.0	08/16/2022	ND	245	122	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	76.5 %	43-149							
Surrogate: 1-Chlorooctadecane	87.3 %	42.5-161							

Sample ID: FS - 3 36" (H223695-02)

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	08/16/2022	ND	214	107	200	0.783	
DRO >C10-C28*	89.0	10.0	08/16/2022	ND	245	122	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	89.4 %	43-149							
Surrogate: 1-Chlorooctadecane	101 %	42.5-161							

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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:	08/12/2022	Sampling Date:	08/12/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: FS - 4 36" (H223695-03)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2022	ND	214	107	200	0.783	
DRO >C10-C28*	16.0	10.0	08/16/2022	ND	245	122	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	76.0 %	43-149							
Surrogate: 1-Chlorooctadecane	82.7 %	42.5-161							

Sample ID: FS - 5 36" (H223695-04)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2022	ND	214	107	200	0.783	
DRO >C10-C28*	53.6	10.0	08/16/2022	ND	245	122	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	87.0 %	43-149							
Surrogate: 1-Chlorooctadecane	103 %	42.5-161							

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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:	08/12/2022	Sampling Date:	08/12/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: FS - 6 36" (H223695-05)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2022	ND	214	107	200	0.783	
DRO >C10-C28*	68.3	10.0	08/16/2022	ND	245	122	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	88.9 %	43-149							
Surrogate: 1-Chlorooctadecane	108 %	42.5-161							

Sample ID: FS - 7 36" (H223695-06)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2022	ND	214	107	200	0.783	
DRO >C10-C28*	281	10.0	08/16/2022	ND	245	122	200	2.68	
EXT DRO >C28-C36	52.3	10.0	08/16/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	96.0 %	43-149							
Surrogate: 1-Chlorooctadecane	123 %	42.5-161							

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/12/2022	Sampling Date:	08/12/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: FS - 9 12" (H223695-07)

TPH 8015M	mg/kg	Analyzed 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	08/16/2022	ND	214	107	200	0.783		
DRO >C10-C28*	3900	10.0	08/16/2022	ND	245	122	200	2.68		
EXT DRO >C28-C36	879	10.0	08/16/2022	ND						

Surrogate: 1-Chlorooctane 101 % 43-149
 Surrogate: 1-Chlorooctadecane 254 % 42.5-161

Sample ID: FS - 10 6" (H223695-08)

TPH 8015M	mg/kg	Analyzed 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	08/16/2022	ND	214	107	200	0.783		
DRO >C10-C28*	2080	10.0	08/16/2022	ND	245	122	200	2.68		
EXT DRO >C28-C36	583	10.0	08/16/2022	ND						

Surrogate: 1-Chlorooctane 92.2 % 43-149
 Surrogate: 1-Chlorooctadecane 177 % 42.5-161

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Analytical Results For:

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

Received:	08/12/2022	Sampling Date:	08/12/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: FS - 11 6" (H223695-09)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2022	ND	214	107	200	0.783	
DRO >C10-C28*	199	10.0	08/16/2022	ND	245	122	200	2.68	
EXT DRO >C28-C36	36.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 100 % 43-149

Surrogate: 1-Chlorooctadecane 122 % 42.5-161

Sample ID: FS - 15 3" (H223695-10)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/16/2022	ND	214	107	200	0.783	
DRO >C10-C28*	1060	10.0	08/16/2022	ND	245	122	200	2.68	
EXT DRO >C28-C36	286	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 92.8 % 43-149

Surrogate: 1-Chlorooctadecane 156 % 42.5-161

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Analytical Results For:

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

Received:	08/12/2022	Sampling Date:	08/12/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: FS - 16 3" (H223695-11)

TPH 8015M	mg/kg	Analyzed 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	08/16/2022	ND	214	107	200	0.783		
DRO >C10-C28*	1980	10.0	08/16/2022	ND	245	122	200	2.68		
EXT DRO >C28-C36	461	10.0	08/16/2022	ND						

Surrogate: 1-Chlorooctane 98.9 % 43-149

Surrogate: 1-Chlorooctadecane 182 % 42.5-161

Sample ID: N - SW - 2 0-6" (H223695-12)

TPH 8015M	mg/kg	Analyzed 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	08/16/2022	ND	214	107	200	0.783		
DRO >C10-C28*	4380	10.0	08/16/2022	ND	245	122	200	2.68		
EXT DRO >C28-C36	1010	10.0	08/16/2022	ND						

Surrogate: 1-Chlorooctane 100 % 43-149

Surrogate: 1-Chlorooctadecane 449 % 42.5-161

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Analytical Results For:

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

Received:	08/12/2022	Sampling Date:	08/12/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: E - SW - 2 0-24" (H223695-13)

TPH 8015M	mg/kg	Analyzed 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	08/16/2022	ND	214	107	200	0.783		
DRO >C10-C28*	925	10.0	08/16/2022	ND	245	122	200	2.68		
EXT DRO >C28-C36	193	10.0	08/16/2022	ND						

Surrogate: 1-Chlorooctane 97.7 % 43-149

Surrogate: 1-Chlorooctadecane 165 % 42.5-161

Sample ID: W - SW - 2 0-36" (H223695-14)

TPH 8015M	mg/kg	Analyzed By: MS								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/16/2022	ND	214	107	200	0.783		
DRO >C10-C28*	524	10.0	08/16/2022	ND	245	122	200	2.68		
EXT DRO >C28-C36	107	10.0	08/16/2022	ND						

Surrogate: 1-Chlorooctane 104 % 43-149

Surrogate: 1-Chlorooctadecane 134 % 42.5-161

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Analytical Results For:

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

Received:	08/12/2022	Sampling Date:	08/12/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: S - SW - 2 0-12" (H223695-15)

TPH 8015M	mg/kg	Analyzed 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	08/16/2022	ND	214	107	200	0.783		
DRO >C10-C28*	3170	10.0	08/16/2022	ND	245	122	200	2.68		
EXT DRO >C28-C36	706	10.0	08/16/2022	ND						

Surrogate: 1-Chlorooctane 92.4 % 43-149

Surrogate: 1-Chlorooctadecane 196 % 42.5-161

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

October 18, 2022

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

RE: CORRAL CANYON 36 - 25 CTB

Enclosed are the results of analyses for samples received by the laboratory on 10/13/22 13:55.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: FS - 9 12" (H224840-01)

TPH 8015M	mg/kg	Analyzed By: MS					S-06			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<100	100	10/18/2022	ND	209	105	200	4.72		
DRO >C10-C28*	14800	100	10/18/2022	ND	190	95.0	200	3.29		
EXT DRO >C28-C36	6140	100	10/18/2022	ND						
<hr/>										
Surrogate: 1-Chlorooctane	111 %	45.3-161								
Surrogate: 1-Chlorooctadecane	1280 %	46.3-178								

Sample ID: FS - 10 6" (H224840-02)

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	10/18/2022	ND	209	105	200	4.72		
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	190	95.0	200	3.29		
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND						
<hr/>										
Surrogate: 1-Chlorooctane	110 %	45.3-161								
Surrogate: 1-Chlorooctadecane	137 %	46.3-178								

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Analytical Results For:

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

Received:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: FS - 15 3" (H224840-03)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2022	ND	209	105	200	4.72	
DRO >C10-C28*	188	10.0	10/17/2022	ND	190	95.0	200	3.29	
EXT DRO >C28-C36	85.0	10.0	10/17/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161
 Surrogate: 1-Chlorooctadecane 143 % 46.3-178

Sample ID: FS - 16 3" (H224840-04)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2022	ND	209	105	200	4.72	
DRO >C10-C28*	297	10.0	10/17/2022	ND	190	95.0	200	3.29	
EXT DRO >C28-C36	121	10.0	10/17/2022	ND					

Surrogate: 1-Chlorooctane 94.5 % 45.3-161
 Surrogate: 1-Chlorooctadecane 144 % 46.3-178

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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:	10/13/2022	Sampling Date:	10/13/2022
Reported:	10/18/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: N - SW - 2 0-6" (H224840-05)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2022	ND	209	105	200	4.72	
DRO >C10-C28*	345	10.0	10/17/2022	ND	190	95.0	200	3.29	
EXT DRO >C28-C36	115	10.0	10/17/2022	ND					

Surrogate: 1-Chlorooctane 98.3 % 45.3-161
 Surrogate: 1-Chlorooctadecane 144 % 46.3-178

Sample ID: S - SW - 2 0-12" (H224840-06)

TPH 8015M	mg/kg	Analyzed 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	10/17/2022	ND	209	105	200	4.72		
DRO >C10-C28*	1330	10.0	10/17/2022	ND	190	95.0	200	3.29		
EXT DRO >C28-C36	570	10.0	10/17/2022	ND						

Surrogate: 1-Chlorooctane 102 % 45.3-161
 Surrogate: 1-Chlorooctadecane 196 % 46.3-178

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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

November 22, 2022

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

RE: CORRAL CANYON 36 - 25 CTB

Enclosed are the results of analyses for samples received by the laboratory on 11/18/22 12:32.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly legible.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/18/2022	Sampling Date:	11/17/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: FS - 9 (H225458-01)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	189	94.4	200	1.33	
DRO >C10-C28*	1500	10.0	11/18/2022	ND	196	97.9	200	3.50	
EXT DRO >C28-C36	428	10.0	11/18/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	76.1 %	45.3-161							
Surrogate: 1-Chlorooctadecane	126 %	46.3-178							

Sample ID: S - SW - 2 (H225458-02)

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	11/18/2022	ND	189	94.4	200	1.33	
DRO >C10-C28*	1770	10.0	11/18/2022	ND	196	97.9	200	3.50	
EXT DRO >C28-C36	487	10.0	11/18/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	77.5 %	45.3-161							
Surrogate: 1-Chlorooctadecane	134 %	46.3-178							

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* = Accredited Analyte

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



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

Notes and Definitions

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

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

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Evensham, LLC

BILL TO

ANALYSIS REQUEST

Project Manager: Bruce Sewings

Address: 601 N Mainfield St, Suite 400

City: Midland State: TX Zip: 79701

Phone #: 210-219-8858 Fax #:

Project #: 03B147028 Project Owner: Dry USA Inc

Project Name: Orin Canyon 36-25 CTB

Project Location: Eddy Co, New Mexico

Sampler Name: Bruce Sewings

FOR LAB USE ONLY

P.O. #: Company: Dry USA Inc
Address: Attn: Wade D. Hirsch

City: State: Zip:

Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP.	
# CONTAINERS	
GROUNDWATER	
WASTEWATER	
SOIL	
OIL	
SLUDGE	
OTHER :	
ACID/BASE:	
ICE / COOL	
OTHER :	

DATE	TIME
11/17/22	1525
11/17/22	1527

TPH 8015M

Matrix		Preserv	Sampling
SOIL	X		
OIL	X		
SLUDGE	X		
OTHER :	X		
ACID/BASE:			
ICE / COOL			
OTHER :			

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature] Date: 11/18/22

Received By: [Signature]

Relinquished By: [Signature] Date: 11-18-22

Received By: [Signature]

Delivered By: (Circle One) UPS

Observed Temp. °C: 4.4

Sampler (UPS - Bus - Other): UPS

Corrected Temp. °C: 3.8

Sample Condition: Cool Intact

Checked By: [Signature]

Turnaround Time: Standard

Thermometer ID #113

Bacteria (only) Yes

Sample Condition: Cool Intact

Corrected Temp. °C: 3.8

Observed Temp. °C: 4.4

Remarks: bigewings@evensham.com

Verbal Result: Yes No

Additional Phone #: [Blank]

Corrected Temp. °C: 3.8

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



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

January 06, 2023

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

RE: CORRAL CANYON 36 - 25 CTB

Enclosed are the results of analyses for samples received by the laboratory on 01/05/23 14:00.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/05/2023	Sampling Date:	01/05/2023
Reported:	01/06/2023	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: FS - 9 12" (H230063-01)

TPH 8015M	mg/kg	Analyzed 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	01/06/2023	ND	227	113	200	4.22		
DRO >C10-C28*	570	10.0	01/06/2023	ND	203	102	200	2.26		
EXT DRO >C28-C36	201	10.0	01/06/2023	ND						

Surrogate: 1-Chlorooctane 109 % 48.2-134
 Surrogate: 1-Chlorooctadecane 161 % 49.1-148

Sample ID: S - SW - 2 0-12" (H230063-02)

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	01/06/2023	ND	227	113	200	4.22		
DRO >C10-C28*	111	10.0	01/06/2023	ND	203	102	200	2.26		
EXT DRO >C28-C36	26.1	10.0	01/06/2023	ND						

Surrogate: 1-Chlorooctane 107 % 48.2-134
 Surrogate: 1-Chlorooctadecane 130 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- 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

Cardinal Laboratories

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager: Beaux Jennings Address: 601 N Marientfield Street, Suite 400 City: Midland State: TX Zip: 79701 Phone #: 210-219-8858 Fax #: _____ Project #: 0381417028 Project Owner: BKY Project Name: Corral Canyon 36-25 CRT Project Location: Eddy Co NM Sampler Name: Shawn Diller FOR LAB USE ONLY		BILL TO P.O. #: _____ Company: Oxy USA Inc. Attn: Wade Dittrich Address: _____ City: _____ State: _____ Zip: _____ Phone #: 575-390-2828 Fax #: _____		ANALYSIS REQUEST	
Lab I.D. H2300163 Sample I.D. FS-9 Depth (feet) 12" Inches 0-12"	(G)RAB OR (C)OMP. C # CONTAINERS 1 GROUNDWATER X WASTEWATER X SOIL X OIL X SLUDGE X OTHER: _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____ DATE 1-5-23 TIME 1200	MATRIX PRESERV: _____ SAMPLING DATE 1-5-23 TIME 1205	TPH 8015m	Vertical Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____ REMARKS: _____	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush Bacteria (only) <input checked="" type="checkbox"/> Sample Condition <input type="checkbox"/> Observed Temp. °C Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C
Relinquished By: <i>[Signature]</i> Date: 1-5-23 Time: 1400		Received By: <i>[Signature]</i> Date: _____ Time: _____		Turnaround Time: _____ Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/> Observed Temp. °C Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C 22 Corrected Temp. °C 1.6		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked By: <i>[Signature]</i> (Initials) TS		Turnaround Time: _____ Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/> Observed Temp. °C Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C	



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

April 03, 2023

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

RE: CORRAL CANYON 36 - 25 CTB

Enclosed are the results of analyses for samples received by the laboratory on 03/29/23 11:40.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/29/2023	Sampling Date:	03/29/2023
Reported:	04/03/2023	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: STP - 1 0-0.25' (H231425-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/30/2023	ND	1.88	93.9	2.00	3.23	
Toluene*	<0.050	0.050	03/30/2023	ND	1.85	92.6	2.00	2.63	
Ethylbenzene*	<0.050	0.050	03/30/2023	ND	1.84	91.8	2.00	0.769	
Total Xylenes*	<0.150	0.150	03/30/2023	ND	5.42	90.3	6.00	0.0711	
Total BTEX	<0.300	0.300	03/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/30/2023	ND	384	96.0	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2023	ND	215	107	200	4.75	
DRO >C10-C28*	<10.0	10.0	03/30/2023	ND	221	111	200	12.0	
EXT DRO >C28-C36	10.7	10.0	03/30/2023	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/29/2023	Sampling Date:	03/29/2023
Reported:	04/03/2023	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: STP - 2 0-0.25' (H231425-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2023	ND	1.88	93.9	2.00	3.23		
Toluene*	<0.050	0.050	03/30/2023	ND	1.85	92.6	2.00	2.63		
Ethylbenzene*	<0.050	0.050	03/30/2023	ND	1.84	91.8	2.00	0.769		
Total Xylenes*	<0.150	0.150	03/30/2023	ND	5.42	90.3	6.00	0.0711		
Total BTEX	<0.300	0.300	03/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/30/2023	ND	384	96.0	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/31/2023	ND	171	85.5	200	3.94		
DRO >C10-C28*	23.1	10.0	03/31/2023	ND	169	84.3	200	2.51		
EXT DRO >C28-C36	<10.0	10.0	03/31/2023	ND						

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/29/2023	Sampling Date:	03/29/2023
Reported:	04/03/2023	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: STP - 3 0-0.25' (H231425-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2023	ND	1.88	93.9	2.00	3.23		
Toluene*	<0.050	0.050	03/30/2023	ND	1.85	92.6	2.00	2.63		
Ethylbenzene*	<0.050	0.050	03/30/2023	ND	1.84	91.8	2.00	0.769		
Total Xylenes*	<0.150	0.150	03/30/2023	ND	5.42	90.3	6.00	0.0711		
Total BTEX	<0.300	0.300	03/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/30/2023	ND	384	96.0	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/30/2023	ND	207	103	200	19.4		
DRO >C10-C28*	<10.0	10.0	03/30/2023	ND	217	108	200	17.4		
EXT DRO >C28-C36	<10.0	10.0	03/30/2023	ND						

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/29/2023	Sampling Date:	03/29/2023
Reported:	04/03/2023	Sampling Type:	Soil
Project Name:	CORRAL CANYON 36 - 25 CTB	Sampling Condition:	Cool & Intact
Project Number:	03B1417028	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

Sample ID: STP - 4 0-0.25' (H231425-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2023	ND	1.88	93.9	2.00	3.23		
Toluene*	<0.050	0.050	03/30/2023	ND	1.85	92.6	2.00	2.63		
Ethylbenzene*	<0.050	0.050	03/30/2023	ND	1.84	91.8	2.00	0.769		
Total Xylenes*	<0.150	0.150	03/30/2023	ND	5.42	90.3	6.00	0.0711		
Total BTEX	<0.300	0.300	03/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/30/2023	ND	384	96.0	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/31/2023	ND	171	85.5	200	3.94		
DRO >C10-C28*	12.7	10.0	03/31/2023	ND	169	84.3	200	2.51		
EXT DRO >C28-C36	<10.0	10.0	03/31/2023	ND						

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
- A-01 CCV failed high. All samples ND.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Ensolum, LLC
 Project Manager: Beaux Jennings
 Address: 601 N. Maranfield St. STE 400
 City: Midland State: TX Zip: 79701
 Phone #: 210-219-8858 Fax #:
 Project #: 03B1417028 Project Owner:
 Project Name: Corral Canyon 36-25-CTB
 Project Location: 32.15888, -103.938324
 Sample Name: Kaike Smith
 P.O. #:
 Company: Oxy USA, Inc.
 Attn: Wade Dittich
 Address:
 City:
 State: Zip:
 Phone #: 575-390-2828
 Fax #:
 PRESERV:
 SAMPLING

Lab I.D.	Sample I.D.	Sample Depth (feet)	# CONTAINERS		MATRIX							DATE	TIME	ANALYSIS	
			(G)RAB OR (C)OMP.	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL				OTHER :
H231425	STP-1	0-0.75'	1	1	X							3-29-23	0851	X	Chlorides 4500
	STP-2	0-0.25'	1	1	X							3-29-23	0853	X	BTEX 8021b
	STP-3	0-0.25'	1	1	X							3-29-23	0855	X	TPH 8015m
	STP-4	0-0.25'	1	1	X							3-29-23	0857	X	

PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: *[Signature]* Date: 3-29-23
 Received By: *[Signature]* Date: 1140
 Relinquished By: *[Signature]* Received By: *[Signature]*
 Turnaround Time: Standard Rush
 Bacteria (only) Cool Intact Yes No
 Sample Condition Cool Intact Yes No
 Checked By: *[Signature]*
 Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 REMARKS:
 Thermometer ID #113
 Correction Factor -0.5°C
 Observed Temp. °C: 41.1
 Corrected Temp. °C: 3.5

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



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

Incident ID	nAB1903659101
District RP	2RP-5221
Facility ID	fAB1903657998
Application ID	pAB1903658089

Release Notification

Responsible Party

Responsible Party: Oxy USA Inc.	OGRID: 16696
Contact Name: Wade Dittrich	Contact Telephone: 575-390-2828
Contact email: wade_dittrich@oxy.com	Incident # nAB1903659101
Contact mailing address: PO Box 4294, Houston, TX 77210	

Location of Release Source

Latitude 32.15888

Longitude -103.93818

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Corral Canyon 36-25 CTB	Site Type: Central Tank Battery
Date Release Discovered: 01/22/2019	API# <i>(if applicable)</i>

Unit Letter	Section	Township	Range	County
K	I	25S	29E	Eddy

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls): 100	Volume Recovered (bbls): 80
<input type="checkbox"/> Produced Water	Volume Released (bbls):	Volume Recovered (bbls):
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Compromised seal on circulating pump.

Incident ID	nAPP2109159441
District RP	2RP-5221
Facility ID	fAB1903657998
Application ID	pAB1903658089

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Yes, the release is greater than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, by Wade Dittrich of Oxy to Mike Bratcher and Robert Hamlet of the NMOCD and Shelly Tucker of the BLM via email on 01/23/2019 at 1011.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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: <u>Wade Dittrich</u>	Title: <u>Environmental Specialist</u>
Signature: 	Date: <u>6-1-23</u>
email: <u>wade_dittrich@oxy.com</u>	Telephone: <u>575-390-2828</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

Incident ID	nAPP2109159441
District RP	2RP-5221
Facility ID	fAB1903657998
Application ID	pAB1903658089

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including 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 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.

Received by OGD: 6/1/2023 2:06:12 PM

Released to Imaging: 8/28/2023 3:52:27 PM

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2109159441
District RP	2RP-5221
Facility ID	fAB1903657998
Application ID	pAB1903658089

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: Wade Dittrich

Title: Environmental Specialist

Signature: 

Date: 6-1-23

email: wade_dittrich@oxy.com

Telephone: 575-390-2828

OCD Only

Received by: _____

Date: _____

Incident ID	nAPP2109159441
District RP	2RP-5221
Facility ID	fAB1903657998
Application ID	pAB1903658089

Remediation Plan

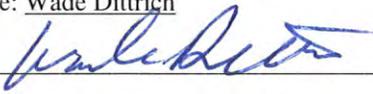
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Wade Dittrich Title: Environmental Specialist
 Signature:  Date: 6-1-23
 email: wade_dittrich@oxy.com Telephone: 575-390-2828

OCD Only

Received by: _____ Date: _____

Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

Incident ID	nAPP2109159441
District RP	2RP-5221
Facility ID	fAB1903657998
Application ID	pAB1903658089

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.

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

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: Wade Dittrich Title: Environmental Specialist
 Signature:  Date: 6-1-23
 email: wade_dittrich@oxy.com Telephone: 575-390-2828

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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

District IV
 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 222951

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 222951
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral request approved.	8/28/2023