



CLOSURE REPORT

Property:

Corral Fly 35-26 Fed Com 23H

**Eddy County, New Mexico
32.16496 N, 103.95897 W
NMOCD Incident ID: NMAP1825436823
RP No.: 2RP-4961
API No.: 30-015-44704**

July 13, 2022
Ensolum Project No. 03B1417033

Prepared for:

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

Prepared by:


Beaux Jennings
Senior Project Manager

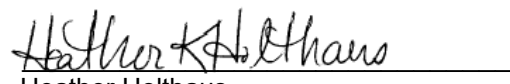

Heather Holthaus
Senior Project Manager



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CLOSURE REPORT

Corral Fly 35-26 Fed Com 23H

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32.16496 N, 103.95897 W
NMOCD Incident ID: NMAP1825436823
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Ensolum Project No. 03B1417033

1.0 INTRODUCTION

1.1 Executive Summary

- On August 21, 2018, a release of crude oil was reported from an overflow of a tank due to a fault on the lease automatic custody transfer (LACT) unit at the Corral Fly 35-26 Fed Com 23H, hereinafter referred to as the "Site". Approximately seven (7) barrels (bbls) of crude oil were released, with 3.5 bbls recovered. The release was contained and a *Delineation Workplan*, dated February 19, 2019, was prepared by BBC International Inc. (BBC) on behalf of Oxy USA inc. (Oxy). The workplan stated that the release area would be excavated to a depth of two (2) feet below ground surface (bgs). In March 2022, Tex-Mex Rentals & Service LLC (Tex-Mex) began excavating the release area with a backhoe. The excavated soils were taken off-Site for proper disposal.
- On April 5 and 7, 2022, Ensolum arrived on-Site and collected five (5) composite soil samples from the excavation floor (FS-1 through FS-5) at a depth of 2.5 feet bgs. In addition, Ensolum collected nine (9) composite soil samples from the excavation sidewalls (N-SW-1, E-SW-1, E-SW-2, E-SW-3, S-SW-1, S-SW-2, W-SW-1, W-SW-2, and W-SW-3) at a depth of 0-2.5 feet bgs. Based on laboratory analytical data, treatment and/or further excavation was required at floor sample locations FS-1, FS-2 and FS-3 and at side wall sample location W-SW-2.
- From May 2 through June 3, 2022, subsequent to additional treatment and/or excavation based on laboratory analytical data, Ensolum arrived on-Site and collected a total of eight (8) additional composite soil samples from the excavation floor (FS-1, FS-2 and FS-3) at depths ranging from 2.5 to 5 feet bgs, and collected a total of three (3) additional composite soil samples from the excavation sidewall (W-SW-2) at depths of 0-2.5 ft bgs and 0-4 feet bgs.
- The primary objective of the closure activities was to reduce chemical of concern (COC) concentrations in the on-Site soils to below the applicable New Mexico 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 130 feet long and 90 feet wide at the maximum extents. The excavation depth ranged from 2.5 feet bgs in the areas of FS-1, FS-4 and FS-5, to four (4) feet bgs in the area of FS-3 and five (5) feet bgs in the area of FS-2.
- A total of 13 composite soil samples from five (5) locations from the excavation floor (FS-1 through FS-5), and 12 composite soil samples from nine (9) locations from the excavation sidewalls (N-SW-1, E-SW-1, E-SW-2, E-SW-3, S-SW-1, S-SW-2, W-SW-1, W-SW-2, and W-SW-3) were collected.

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- Based on the laboratory analytical results, the final composite soil samples collected from the excavation floor and sidewalls did not exhibit benzene, total benzene, toluene, ethylbenzene, and xylene (BTEX), total petroleum hydrocarbons (TPH), gasoline range organics (GRO), diesel range organics (DRO) and/or motor oil range organics (MRO) or chloride concentrations above the applicable NMOCDC Closure Criteria. Subsequent to the results of the confirmation soil sampling, the identified impacted soils were removed and taken off-Site for proper disposal and the excavated area was backfilled with clean fill material, and then contoured to the original surrounding grade.

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

1.2 Site Description & Background

Operator:	Oxy USA Inc. (Oxy)
Site Name:	Corral Fly 35-26 Fed Com 23H
Location:	32.16496 N, 103.95897 W Eddy County, New Mexico
Property:	State Lands and Bureau of Land Management (BLM)
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On August 21, 2018, a release of crude oil was reported from an overflow of a tank due to a fault on the LACT unit. Approximately seven (7) bbls of crude oil were released, with 3.5 bbls recovered.

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.

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- According to the OSE WRSS database there are no private, domestic freshwater wells used by less than five (5) households for domestic or stock water purposes identified within 500 feet of the Site.
- According to the OSE WRSS database there are no freshwater wells identified within 1,000 feet of the Site as declared in the previous bullet.
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3.
- The Site is not located within 300 feet of a 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 BLM, the Site is located within a moderate unstable area, also referred to as medium karst.
- The Site is noted to be located within an area of minimal flood hazard.

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

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

3.0 SOIL REMEDIATION ACTIVITIES

On August 21, 2018, a release of crude oil was reported from an overflow of a tank due to a fault on the LACT unit. Approximately seven (7) bbls of crude oil were released, with 3.5 bbls recovered. The release was contained and a *Delineation Workplan*, dated February 19, 2019, was prepared by BBC on behalf of Oxy. The workplan stated that the release area would be excavated to a depth of two (2) feet bgs.

In March 2022, Tex-Mex Rentals & Service LLC (Tex-Mex) began excavating the release area with a backhoe. The excavated soils were temporarily stored on-Site in stockpiles, adjacent to the excavation, prior to be taken off-Site for proper disposal. On March 24, 2022, Ensolum was contacted by Oxy with the purpose of sampling the area of the release to determine if further excavation was required.

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On April 5 and 7, 2022, Ensolum arrived on-Site and collected five (5) composite soil samples from the excavation floor (FS-1 through FS-5) at a depth of 2.5 feet bgs. In addition, Ensolum collected nine (9) composite soil samples from the excavation sidewalls (N-SW-1, E-SW-1, E-SW-2, E-SW-3, S-SW-1, S-SW-2, W-SW-1, W-SW-2, and W-SW-3) at a depth of 0-2.5 feet bgs. Based on laboratory analytical data, treatment and/or further excavation was required at floor sample locations FS-1, FS-2 and FS-3 and at side wall sample location W-SW-2.

From May 2 through June 3, 2022, subsequent to additional treatment and/or excavation based on laboratory analytical data, Ensolum arrived on-Site and collected a total of eight (8) additional composite soil samples from the excavation floor (FS-1, FS-2 and FS-3) at depths ranging from 2.5 to 5 feet bgs, and collected a total of three (3) additional composite soil samples from the excavation sidewall (W-SW-2) at depths of 0-2.5 ft bgs and 0-4 feet bgs.

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

The final excavation area measured approximately 130 feet long and 90 feet wide at the maximum extents. The excavation depth ranged from 2.5 feet bgs in the areas of FS-1, FS-4 and FS-5, to 4 feet bgs in the area of FS-3 and 5 feet bgs in the area of FS-2. The excavated impacted soils were removed and taken off-Site for proper disposal.

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

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

4.0 SOIL SAMPLING PROGRAM

Ensolum's composite soil sampling program included the collection of 13 composite soil samples from five (5) locations from the excavation floor (FS-1 through FS-5), and 12 composite soil samples from nine (9) locations from the excavation sidewalls (N-SW-1, E-SW-1, E-SW-2, E-SW-3, S-SW-1, S-SW-2, W-SW-1, W-SW-2, and W-SW-3).

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 an expedited 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-Cl 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**.

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6.0 DATA EVALUATION

Ensolum compared the benzene, total BTEX, TPH GRO/DRO/MRO, and chloride concentrations associated with the composite soil samples collected from the excavation floor and sidewalls (FS-1 through FS-5, N-SW-1, E-SW-1, E-SW-2, E-SW-3, S-SW-1, S-SW-2, W-SW-1, W-SW-2, and W-SW-3) to the applicable NMOCD Closure Criteria.

- Laboratory analytical results indicate benzene concentrations for the composite soil samples are below the laboratory sample detection limits (SDLs), which are below the applicable NMOCD Closure Criteria of 10 milligrams per kilogram (mg/kg).
- Laboratory analytical results indicate that total BTEX concentrations for the composite soil samples below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 50 mg/kg.
- Laboratory analytical results indicate combined TPH GRO/DRO/MRO concentrations for the composite soil samples collected from the excavation floor and sidewalls (FS-1 at 2.5, FS-2 at 2.5 and 4, FS-3 at 2.5, and W-SW-2 at 0-2.5) exhibited concentrations ranging from 103 mg/kg to 348 mg/kg, which exceed the applicable NMOCD Closure Criteria of 100 mg/kg from ≤50 feet. The soils in these locations were subsequently treated and/or removed and taken off-Site for proper disposal.
- Laboratory analytical results indicate combined TPH GRO/DRO/MRO concentrations for the final composite soil samples are below the laboratory SDLs and/or the applicable NMOCD Closure Criteria of 100 mg/kg from ≤50 feet.
- Laboratory analytical results indicate chloride concentrations for the composite soil samples exhibited chloride concentrations ranging from 32 mg/kg to 144 mg/kg, which do not exceed the applicable NMOCD Closure Criteria of 600 mg/kg from ≤50 feet.

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

7.0 RECLAMATION AND RE-VEGETATION

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

8.0 FINDINGS AND RECOMMENDATION

- On August 21, 2018, a release of crude oil was reported from an overflow of a tank due to a fault on the LACT unit at the Corral Fly 35-26 Fed Com 23H, hereinafter referred to as the "Site". Approximately seven (7) bbls of crude oil were released, with 3.5 bbls recovered. The release was contained and a *Delineation Workplan*, dated February 19, 2019, was prepared by BBC on behalf of Oxy. The workplan stated that the release area would be excavated to a depth of two (2) feet bgs. In March 2022, Tex-Mex began excavating the release area with a backhoe. The excavated soils were taken off-Site for proper disposal.
- On April 5 and 7, 2022, Ensolum arrived on-Site and collected five (5) composite soil samples from the excavation floor (FS-1 through FS-5) at a depth of 2.5 feet bgs. In addition, Ensolum collected nine (9) composite soil samples from the excavation sidewalls (N-SW-1, E-SW-1, E-SW-2, E-SW-3, S-SW-1, S-SW-2, W-SW-1, W-SW-2, and W-SW-3) at a depth of 0-2.5 feet bgs. Based on laboratory analytical data, treatment and/or further excavation was required at floor sample locations FS-1, FS-2 and FS-3 and at side wall sample location W-SW-2.

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July 13, 2022



- From May 2 through June 3, 2022, subsequent to additional treatment and/or excavation based on laboratory analytical data, Ensolum arrived on-Site and collected a total of eight (8) additional composite soil samples from the excavation floor (FS-1, FS-2 and FS-3) at a depths ranging from 2.5 to 5 feet bgs, and collected a total of three (3) additional composite soil samples from the excavation sidewall (W-SW-2) at depths of 0-2.5 ft bgs and 0-4 feet bgs.
- 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 130 feet long and 90 feet wide at the maximum extents. The excavation depth ranged from 2.5 feet bgs in the areas of FS-1, FS-4 and FS-5, to four (4) feet bgs in the area of FS-3 and five (5) feet bgs in the area of FS-2.
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- Based on the laboratory analytical results, the final composite soil samples collected from the excavation floor and sidewalls did not exhibit benzene, total BTEX, TPH GRO/DRO/MRO or chloride concentrations above the applicable NMOCD Closure Criteria. Subsequent to the results of the confirmation soil sampling, the identified impacted soils were removed and taken off-Site for proper disposal and the excavated area was backfilled with clean fill material, and then contoured to the original surrounding grade.

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

9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

9.1 Standard of Care

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

9.2 Limitations

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

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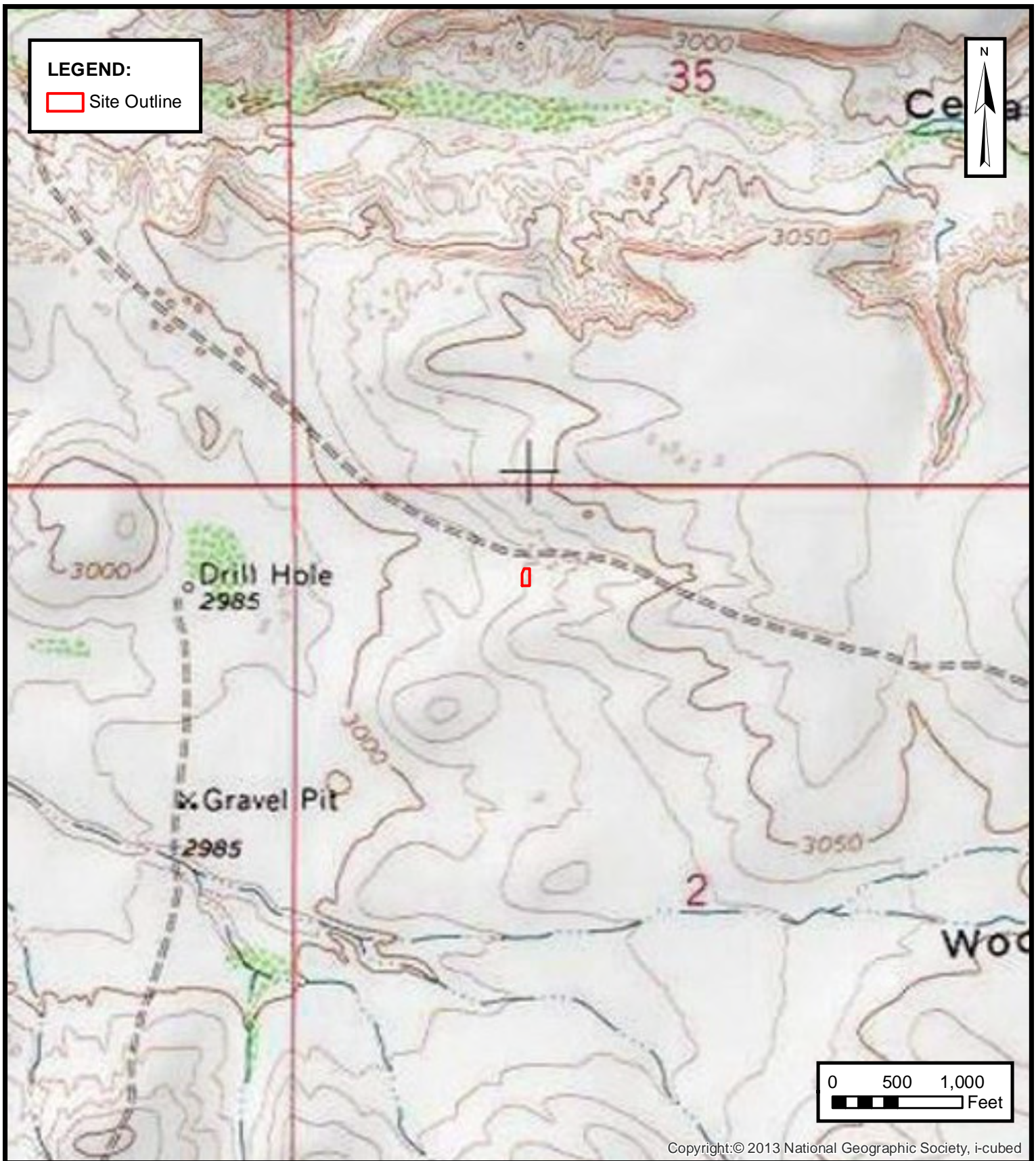
9.3 Reliance

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



APPENDIX A

Figures

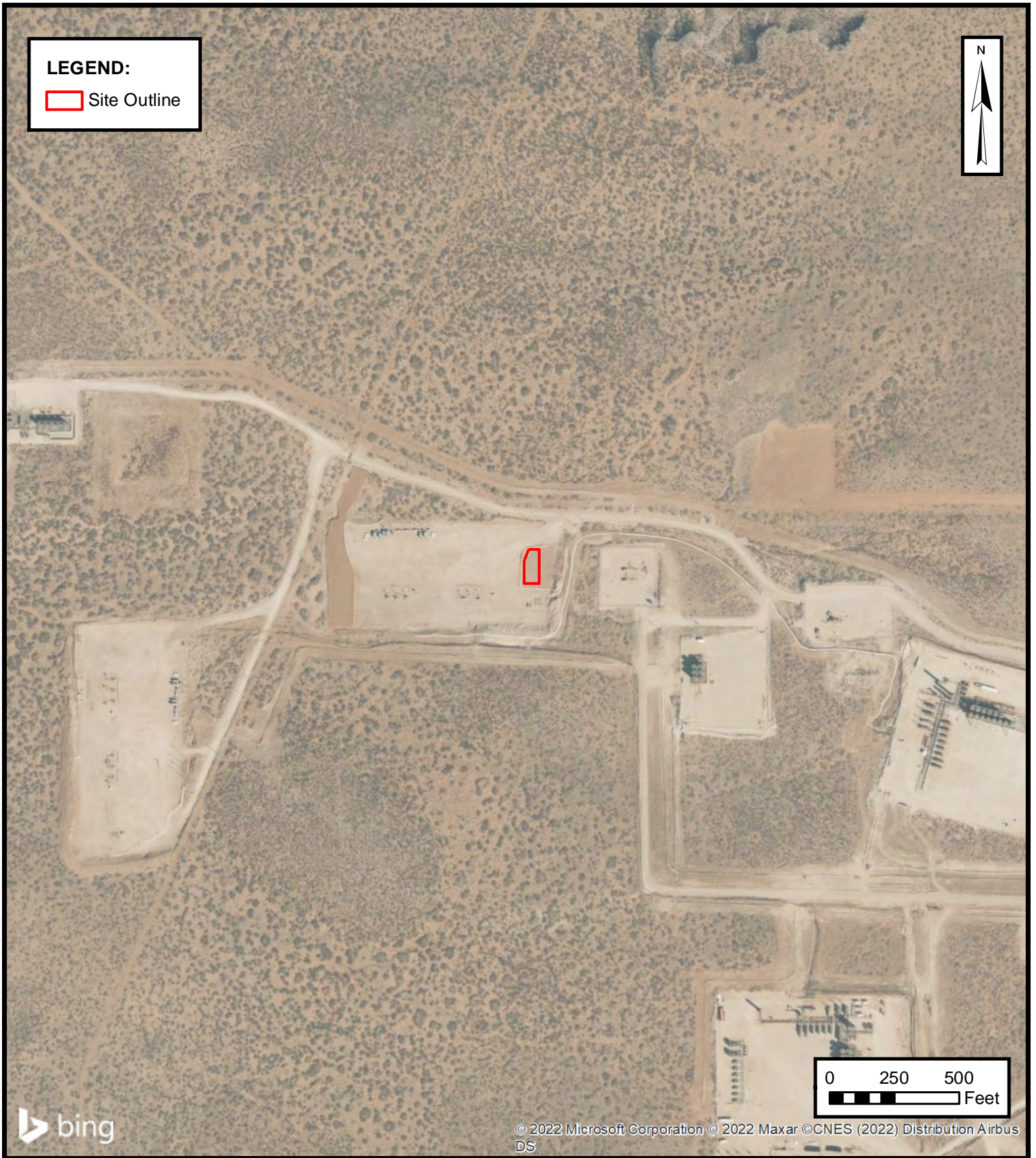
**TOPOGRAPHIC MAP**

OXY USA INC.
CORRAL FLY 35 - 26 FED COM 23H
Eddy County, New Mexico
32.16496° N, 103.95897° W

PROJECT NUMBER: 03B1417033

FIGURE**1**

ENSOLUM
Environmental & Hydrogeologic Consultants



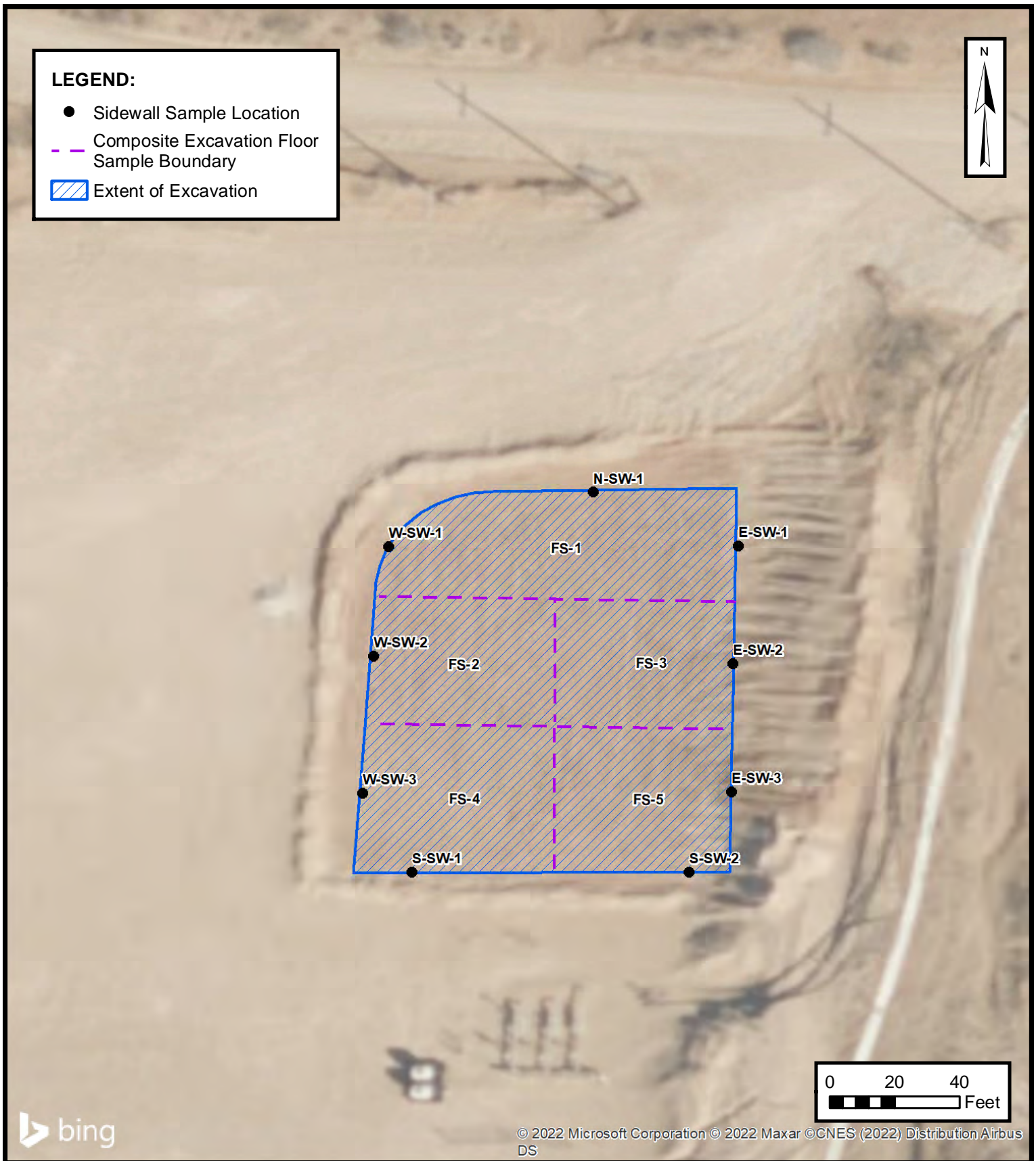
 **ENSOLUM**
Environmental & Hydrogeologic Consultants

SITE VICINITY MAP

OXY USA INC.
CORRAL FLY 35 - 26 FED COM 23H
Eddy County, New Mexico
32.16496° N, 103.95897° W

PROJECT NUMBER: 03B1417033

FIGURE
2



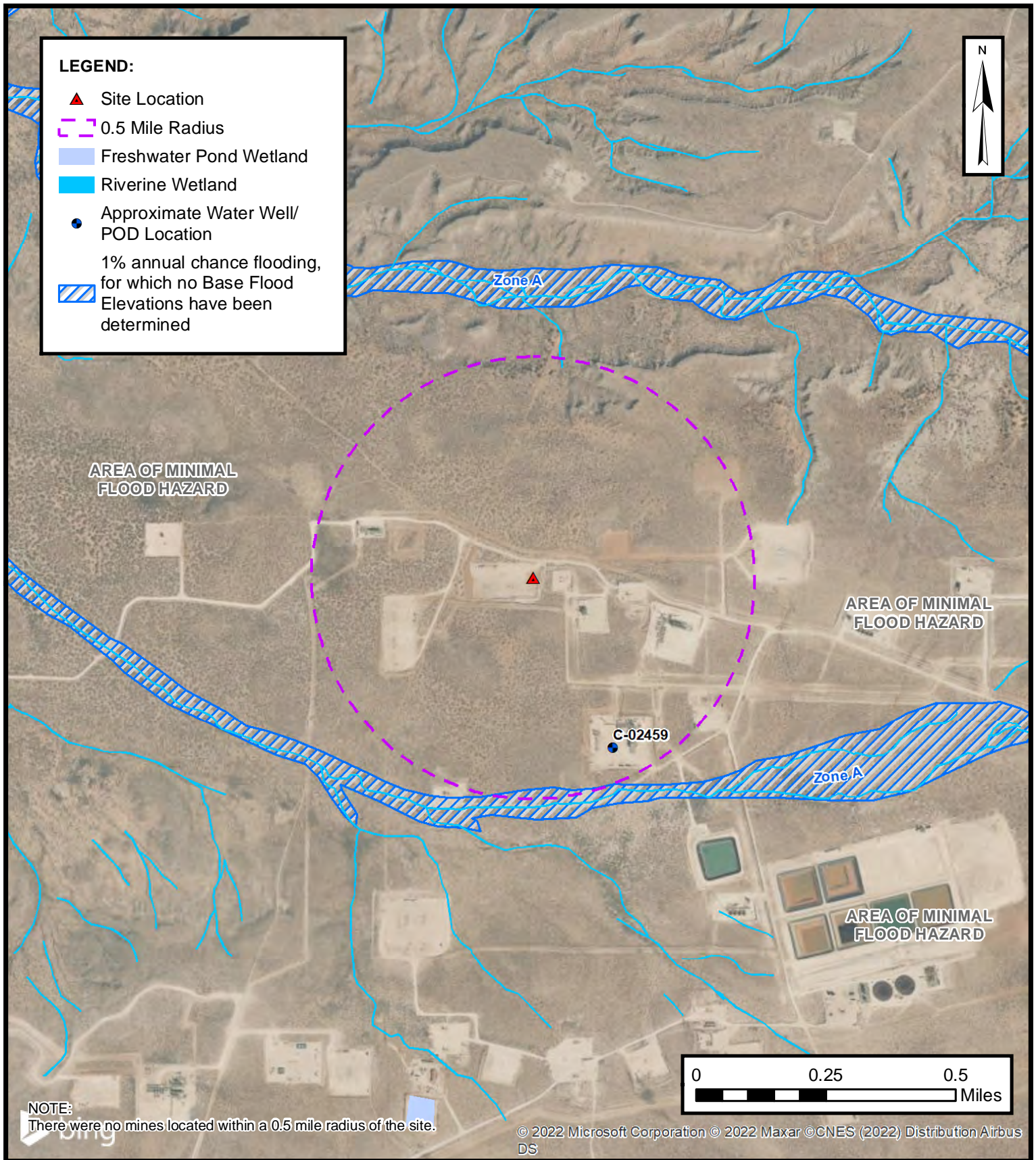
SITE MAP

OXY USA INC.
CORRAL FLY 35 - 26 FED COM 23H
Eddy County, New Mexico
32.16496° N, 103.95897° W

PROJECT NUMBER: 03B1417033

FIGURE

3

**CLOSURE CRITERIA MAP**

OXY USA INC.
 CORRAL FLY 35 - 26 FED COM 23H
 Eddy County, New Mexico
 32.16496° N, 103.95897° W

PROJECT NUMBER: 03B1417033

FIGURE**4**

ENSOLUM
 Environmental & Hydrogeologic Consultants



APPENDIX B

Supporting Documentation

Beaux Jennings

From: Beaux Jennings
Sent: Tuesday, May 31, 2022 12:40 PM
To: OCD.Enviro@state.nm.us
Subject: Corral Fly 35 26 Fed Com #23H (2RP-4961)

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 Fly 35 26 Fed Com #23H (2RP-4961) on Friday, June 3rd 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: Beaux Jennings
Sent: Wednesday, May 18, 2022 10:05 PM
To: OCD.Enviro@state.nm.us
Subject: Corral Fly 35 26 Fed Com #23H (2RP-4961)

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 Fly 35 26 Fed Com #23H (2RP-4961) on Monday, May 23rd. The samples may be used for closure, provided that they meet applicable closure limits.

Thank you,



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

Beaux Jennings

From: Beaux Jennings
Sent: Tuesday, April 5, 2022 10:31 AM
To: OCD.Enviro@state.nm.us
Subject: Corral Fly 35 26 Fed Com #23H (2RP-4961)

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 Fly 35 26 Fed Com #23H (2RP-4961). 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



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 WORKPLAN

OXY – CORRAL FLY 35 26 FED COM #23H (Leak Date: 8/21/18)

RP # 2RP-4961

This delineation workplan and remediation proposal addresses the releases associated with RP # 2RP-4961.

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, and/or copy of Chevron groundwater trend map).
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 entire leak area (BLUE shade on diagram) will be excavated to a depth of 2 feet.

Bottom confirmation samples will be collected at no greater than 50 ft. intervals. Estimated volume of material to be removed is 329 cubic yards. The remediation will be completed within 90 days of plan approval.

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate regulatory 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	
District RP	2RP-4961
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?	98 (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.

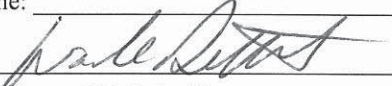
Form C-141

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	2RP-4961
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: 2-19-19
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	
District RP	2RP-4961
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: 2-19-19
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 Fly 35 26 Fed Com #23H

Leak date: 8/21/18
Eddy County, NM
API# 30-015-44704
2RP-4961

Legend

-  2 ft Excavation across entire leak area
-  Sample points
-  Leak area
-  Location pad



Google Earth

© 2018 Google



100 ft

Released to Imaging: 9/30/2022 9:01:34 AM

Received by OCD: 7/13/2022 4:28:15 PM

Oxy Corral Fly 35 26 Fed Com # 23H

Leak date: 8/21/18
Eddy County, NM
2RP-4961

Aerial drone picture taken 2/12/19 to verify leak is on a new location that does not exist in the current Google Earth Image

Legend

- 24-AUG-18
- ACTIVE LOG 001



Google Earth



200 ft

Oxy, Corral Fly 35 26 Fed Com #23H

Sample points

SP1, N 32.16492 W-103.95876

SP2, N 32.16488 W-103.95889

SP3, N 32.16497 W-103.95891

NORTH, N 32.16502 W-103.95883

SOUTH, N 32.16484 W-103.95894

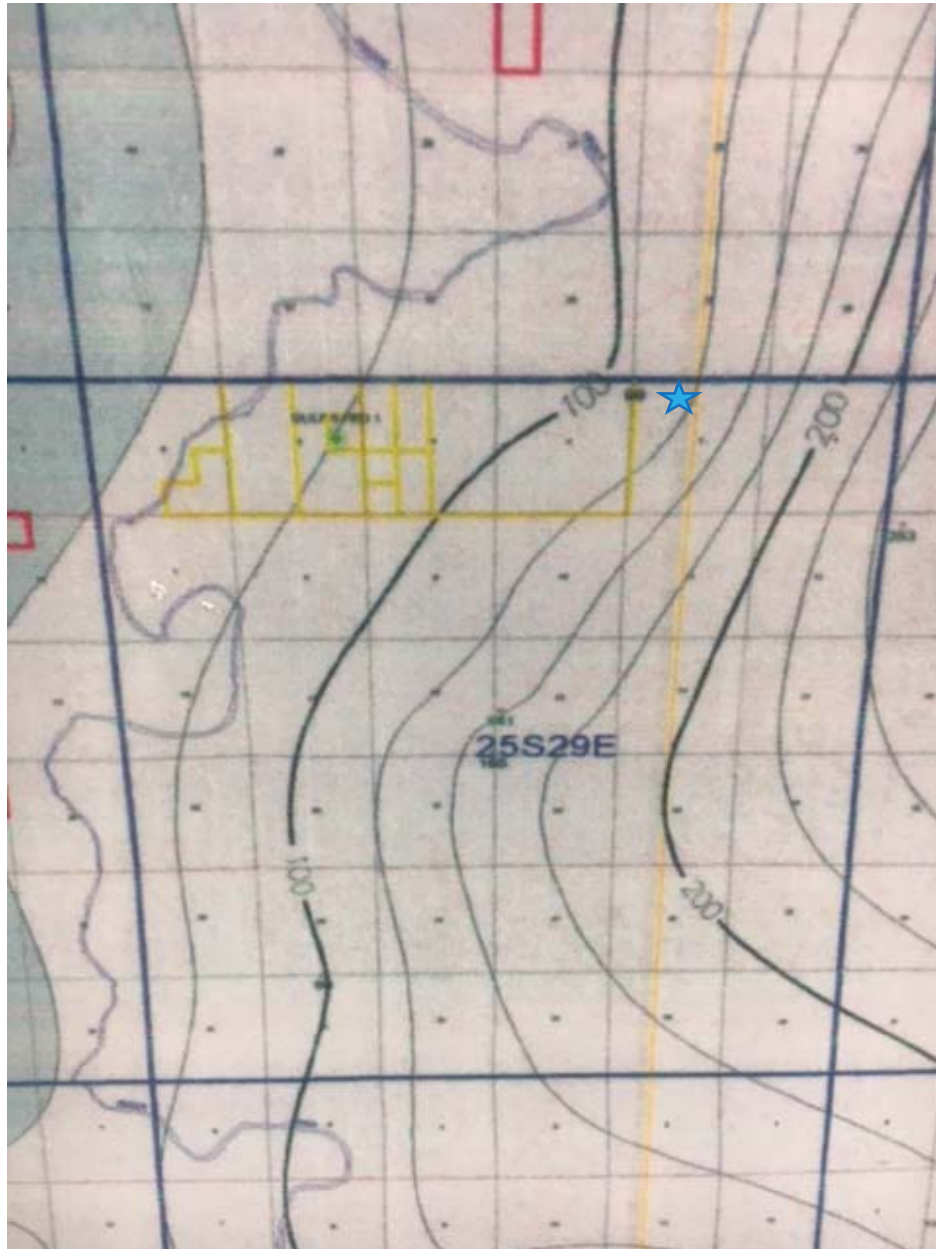
EAST, N 32.16490 W-103.95868

WEST, N 32.16499 W-103.95900

Oxy, Corral Fly 35 26 Fed Com #23H

U/L C, Section 2, T25S, R29E

Groundwater: 125'





USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

- Please see news on new formats
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320956103574301

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320956103574301 25S.29E.02.11111

Eddy County, New Mexico
Latitude 32°09'56", Longitude 103°57'43" NAD27
Land-surface elevation 3,000 feet above NAVD88
The depth of the well is 140 feet below land surface.
This well is completed in the Rustler Formation (312RSLR) 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
1958-10-23		D	98.10			2		U		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
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	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

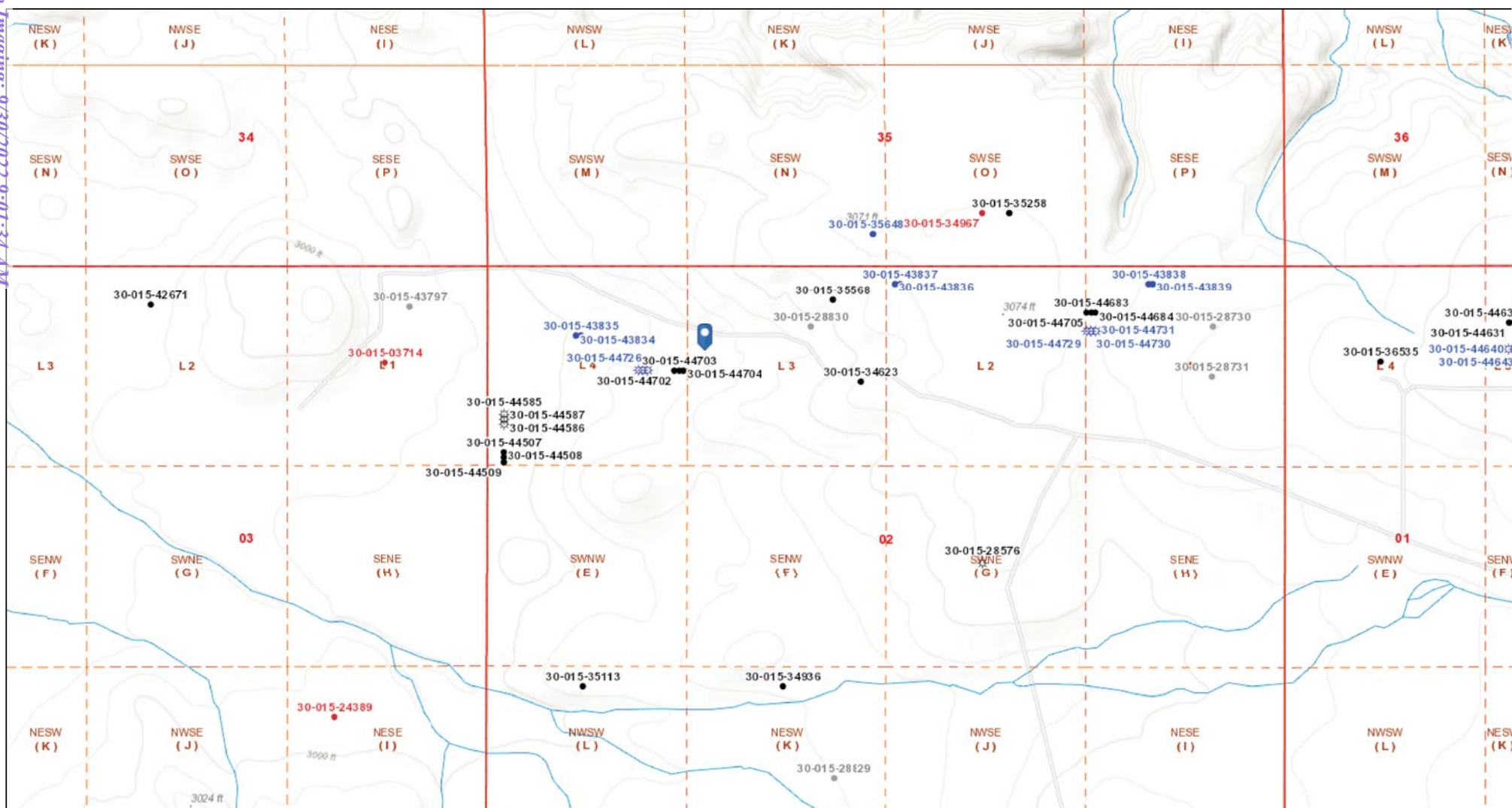
[Questions about sites/data?](#)
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Page Last Modified: 2019-02-06 17:26:59 EST

35.09 0.43 nadww01

Corral Fly 35 26 Fed Com #23H, Topo Map with Water Features



2/6/2019 4:13:21 PM

Well Locations - Small Scale

- Active
- New
- Plugged
- Cancelled
- Temporarily Abandoned

Well Locations - Large Scale

- 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

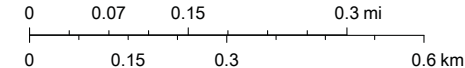
Oil, New

- 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

1:9,028





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

Oxy, Corral Fly 35 26 Fed Com #23H

Leak date: 8/21/18
Eddy County, NM
API# 30-015-44704

BLM CAVE KARST MAP

Legend

-  Leak area
-  Medium potential

D

Google Earth

© 2018 Google

1000 ft



National Flood Hazard Layer FIRMette



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 Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone X
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Profile Baseline
		Hydrographic Feature
		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 **2/6/2019 at 6:27:23 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.

Received by Imaging: 9/30/2022 9:01:34 AM
MCS1151253009

Received by OCD: 7/15/2022 4:28:15 PM

Laboratory Analytical Results Summary
Corral Fly 35 26 Fed Com #23H (8/21/18)

		Sample ID	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'
Analyte	Method	Date	2/7/19	2/7/19	2/7/19	2/7/19	2/7/19	2/7/19
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.062	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.825	0.099	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.489	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		2.67	2.94	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		4.05	3.04	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		528	176	336	304	16	304
GRO	TPH 8015M		104	102	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		24300	2010	153	137	<10.0	29.4
EXT DRO	TPH 8015M		4150	280	39	20.2	<10.0	<10.0

		Sample ID	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'
Analyte	Method	Date	2/7/19	2/7/19	2/7/19	2/7/19	2/7/19	2/8/19
			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		0.754	0.087	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.471	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		2.51	2.7	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		3.73	2.79	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		1000	144	272	304	80	32
GRO	TPH 8015M		<100	113	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		21000	1730	83.1	97.9	<10.0	<10.0
EXT DRO	TPH 8015M		4410	232	12.7	13.9	<10.0	<10.0

		Sample ID	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'
Analyte	Method	Date	2/8/19	2/8/19	2/8/19	2/8/19	2/8/19	2/8/19
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.05	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.757	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.531	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		3	1.32	0.671	0.524	<0.150	<0.150
Total BTEX	BTEX 8021B		4.34	1.32	0.671	0.524	<0.300	<0.300
Chloride	SM4500Cl-B		656	48	496	400	304	32
GRO	TPH 8015M		117	61.5	26.8	44.9	<10.0	<10.0
DRO	TPH 8015M		20600	1310	702	729	60.7	<10.0
EXT DRO	TPH 8015M		3790	99.6	94.8	90.3	<10.0	<10.0

		Sample ID	NORTH @ SURFACE	EAST @ SURFACE	WEST @ SURFACE	SOUTH @ SURFACE
Analyte	Method	Date	2/8/19	2/8/19	2/8/19	2/8/19
			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		48	32	48	32
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



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

February 15, 2019

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CORRAL FLY 35 26 FED COM #23H

Enclosed are the results of analyses for samples received by the laboratory on 02/11/19 15:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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 with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	02/11/2019	Sampling Date:	02/07/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SP 1 @ SURFACE (H900531-01)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.062	0.050	02/13/2019	ND	2.17	108	2.00	1.34	
Toluene*	0.825	0.050	02/13/2019	ND	2.05	102	2.00	0.351	
Ethylbenzene*	0.489	0.050	02/13/2019	ND	2.05	102	2.00	2.20	
Total Xylenes*	2.67	0.150	02/13/2019	ND	6.08	101	6.00	0.756	
Total BTEX	4.05	0.300	02/13/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	02/15/2019	ND	416	104	400	3.77	

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*	104	100	02/12/2019	ND	186	93.0	200	0.00		
DRO >C10-C28*	24300	100	02/12/2019	ND	187	93.5	200	0.695		
EXT DRO >C28-C36	4150	100	02/12/2019	ND						

Surrogate: 1-Chlorooctane 111 % 41-142

Surrogate: 1-Chlorooctadecane 1080 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	02/11/2019	Sampling Date:	02/07/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SP 1 @ 1' (H900531-02)

BTX 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	02/13/2019	ND	2.17	108	2.00	1.34	
Toluene*	0.099	0.050	02/13/2019	ND	2.05	102	2.00	0.351	
Ethylbenzene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	2.20	
Total Xylenes*	2.94	0.150	02/13/2019	ND	6.08	101	6.00	0.756	
Total BTX	3.04	0.300	02/13/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 146 % 73.3-129

Chloride, SM4500CI-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/15/2019	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	102	10.0	02/12/2019	ND	186	93.0	200	0.00	
DRO >C10-C28*	2010	10.0	02/12/2019	ND	187	93.5	200	0.695	
EXT DRO >C28-C36	280	10.0	02/12/2019	ND					

Surrogate: 1-Chlorooctane 115 % 41-142

Surrogate: 1-Chlorooctadecane 48.8 % 37.6-147

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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.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	02/11/2019	Sampling Date:	02/07/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SP 1 @ 2' (H900531-03)

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	02/13/2019	ND	2.17	108	2.00	1.34		
Toluene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	0.351		
Ethylbenzene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	2.20		
Total Xylenes*	<0.150	0.150	02/13/2019	ND	6.08	101	6.00	0.756		
Total BTEX	<0.300	0.300	02/13/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	02/15/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2019	ND	186	93.0	200	0.00	
DRO >C10-C28*	153	10.0	02/12/2019	ND	187	93.5	200	0.695	QR-03
EXT DRO >C28-C36	39.0	10.0	02/12/2019	ND					

Surrogate: 1-Chlorooctane 95.3 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	02/11/2019	Sampling Date:	02/07/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SP 1 @ 3' (H900531-04)

BTX 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	02/13/2019	ND	2.17	108	2.00	1.34	
Toluene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	0.351	
Ethylbenzene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/13/2019	ND	6.08	101	6.00	0.756	
Total BTX	<0.300	0.300	02/13/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	02/15/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2019	ND	186	93.0	200	0.00	
DRO >C10-C28*	137	10.0	02/12/2019	ND	187	93.5	200	0.695	
EXT DRO >C28-C36	20.2	10.0	02/12/2019	ND					

Surrogate: 1-Chlorooctane 96.2 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
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 Fax To: (575) 397-0397

Received:	02/11/2019	Sampling Date:	02/07/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SP 1 @ 4' (H900531-05)

BTX 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	02/13/2019	ND	2.17	108	2.00	1.34	
Toluene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	0.351	
Ethylbenzene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/13/2019	ND	6.08	101	6.00	0.756	
Total BTX	<0.300	0.300	02/13/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/15/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2019	ND	186	93.0	200	0.00	
DRO >C10-C28*	<10.0	10.0	02/12/2019	ND	187	93.5	200	0.695	
EXT DRO >C28-C36	<10.0	10.0	02/12/2019	ND					

Surrogate: 1-Chlorooctane 97.1 % 41-142

Surrogate: 1-Chlorooctadecane 97.6 % 37.6-147

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
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 Fax To: (575) 397-0397

Received:	02/11/2019	Sampling Date:	02/07/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SP 1 @ 5' (H900531-06)

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	02/13/2019	ND	2.17	108	2.00	1.34		
Toluene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	0.351		
Ethylbenzene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	2.20		
Total Xylenes*	<0.150	0.150	02/13/2019	ND	6.08	101	6.00	0.756		
Total BTEX	<0.300	0.300	02/13/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	02/15/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2019	ND	186	93.0	200	0.00	
DRO >C10-C28*	29.4	10.0	02/12/2019	ND	187	93.5	200	0.695	
EXT DRO >C28-C36	<10.0	10.0	02/12/2019	ND					

Surrogate: 1-Chlorooctane 94.5 % 41-142

Surrogate: 1-Chlorooctadecane 97.5 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/11/2019	Sampling Date:	02/07/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SP 2 @ SURFACE (H900531-07)

BTX 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	02/13/2019	ND	2.17	108	2.00	1.34	
Toluene*	0.754	0.050	02/13/2019	ND	2.05	102	2.00	0.351	
Ethylbenzene*	0.471	0.050	02/13/2019	ND	2.05	102	2.00	2.20	
Total Xylenes*	2.51	0.150	02/13/2019	ND	6.08	101	6.00	0.756	
Total BTX	3.73	0.300	02/13/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1000	16.0	02/15/2019	ND	416	104	400	3.77		

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	02/13/2019	ND	181	90.6	200	8.12	
DRO >C10-C28*	21000	100	02/13/2019	ND	181	90.3	200	8.31	QM-07
EXT DRO >C28-C36	4410	100	02/13/2019	ND					

Surrogate: 1-Chlorooctane 75.8 % 41-142

Surrogate: 1-Chlorooctadecane 940 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/11/2019	Sampling Date:	02/07/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SP 2 @ 1' (H900531-08)

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	02/13/2019	ND	2.17	108	2.00	1.34	
Toluene*	0.087	0.050	02/13/2019	ND	2.05	102	2.00	0.351	
Ethylbenzene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	2.20	
Total Xylenes*	2.70	0.150	02/13/2019	ND	6.08	101	6.00	0.756	
Total BTEX	2.79	0.300	02/13/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 149 % 73.3-129

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/15/2019	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	113	10.0	02/13/2019	ND	181	90.6	200	8.12	
DRO >C10-C28*	1730	10.0	02/13/2019	ND	181	90.3	200	8.31	
EXT DRO >C28-C36	232	10.0	02/13/2019	ND					

Surrogate: 1-Chlorooctane 98.9 % 41-142

Surrogate: 1-Chlorooctadecane 125 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/11/2019	Sampling Date:	02/07/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SP 2 @ 2' (H900531-09)

BTX 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	02/13/2019	ND	2.17	108	2.00	1.34		
Toluene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	0.351		
Ethylbenzene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	2.20		
Total Xylenes*	<0.150	0.150	02/13/2019	ND	6.08	101	6.00	0.756		
Total BTX	<0.300	0.300	02/13/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	02/15/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2019	ND	181	90.6	200	8.12	
DRO >C10-C28*	83.1	10.0	02/13/2019	ND	181	90.3	200	8.31	
EXT DRO >C28-C36	12.7	10.0	02/13/2019	ND					

Surrogate: 1-Chlorooctane 74.1 % 41-142

Surrogate: 1-Chlorooctadecane 77.4 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/11/2019	Sampling Date:	02/07/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SP 2 @ 3' (H900531-10)

BTX 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	02/13/2019	ND	2.17	108	2.00	1.34	
Toluene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	0.351	
Ethylbenzene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/13/2019	ND	6.08	101	6.00	0.756	
Total BTX	<0.300	0.300	02/13/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	02/15/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2019	ND	181	90.6	200	8.12	
DRO >C10-C28*	97.9	10.0	02/13/2019	ND	181	90.3	200	8.31	
EXT DRO >C28-C36	13.9	10.0	02/13/2019	ND					

Surrogate: 1-Chlorooctane 73.8 % 41-142

Surrogate: 1-Chlorooctadecane 76.5 % 37.6-147

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Analytical Results For:

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Received:	02/11/2019	Sampling Date:	02/07/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SP 2 @ 4' (H900531-11)

BTX 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	02/13/2019	ND	2.17	108	2.00	1.34	
Toluene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	0.351	
Ethylbenzene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/13/2019	ND	6.08	101	6.00	0.756	
Total BTX	<0.300	0.300	02/13/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/15/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2019	ND	181	90.6	200	8.12	
DRO >C10-C28*	<10.0	10.0	02/13/2019	ND	181	90.3	200	8.31	
EXT DRO >C28-C36	<10.0	10.0	02/13/2019	ND					

Surrogate: 1-Chlorooctane 67.8 % 41-142

Surrogate: 1-Chlorooctadecane 65.8 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/11/2019	Sampling Date:	02/08/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SP 2 @ 5' (H900531-12)

BTX 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	02/13/2019	ND	2.17	108	2.00	1.34	
Toluene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	0.351	
Ethylbenzene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/13/2019	ND	6.08	101	6.00	0.756	
Total BTX	<0.300	0.300	02/13/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/15/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2019	ND	181	90.6	200	8.12	
DRO >C10-C28*	<10.0	10.0	02/13/2019	ND	181	90.3	200	8.31	
EXT DRO >C28-C36	<10.0	10.0	02/13/2019	ND					

Surrogate: 1-Chlorooctane 75.4 % 41-142

Surrogate: 1-Chlorooctadecane 74.0 % 37.6-147

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	02/11/2019	Sampling Date:	02/08/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SP 3 @ SURFACE (H900531-13)

BTX 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	02/13/2019	ND	2.17	108	2.00	1.34	
Toluene*	0.757	0.050	02/13/2019	ND	2.05	102	2.00	0.351	
Ethylbenzene*	0.531	0.050	02/13/2019	ND	2.05	102	2.00	2.20	
Total Xylenes*	3.00	0.150	02/13/2019	ND	6.08	101	6.00	0.756	
Total BTX	4.34	0.300	02/13/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	02/15/2019	ND	432	108	400	3.77		

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*	117	100	02/13/2019	ND	181	90.6	200	8.12	
DRO >C10-C28*	20600	100	02/13/2019	ND	181	90.3	200	8.31	
EXT DRO >C28-C36	3790	100	02/13/2019	ND					

Surrogate: 1-Chlorooctane 84.2 % 41-142

Surrogate: 1-Chlorooctadecane 956 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/11/2019	Sampling Date:	02/08/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SP 3 @ 1' (H900531-14)

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	02/13/2019	ND	2.17	108	2.00	1.34	
Toluene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	0.351	
Ethylbenzene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	2.20	
Total Xylenes*	1.32	0.150	02/13/2019	ND	6.08	101	6.00	0.756	
Total BTEX	1.32	0.300	02/13/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/15/2019	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	61.5	10.0	02/13/2019	ND	181	90.6	200	8.12	
DRO >C10-C28*	1310	10.0	02/13/2019	ND	181	90.3	200	8.31	
EXT DRO >C28-C36	99.6	10.0	02/13/2019	ND					

Surrogate: 1-Chlorooctane 90.6 % 41-142

Surrogate: 1-Chlorooctadecane 115 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/11/2019	Sampling Date:	02/08/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SP 3 @ 2' (H900531-15)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2019	ND	2.17	108	2.00	1.34		
Toluene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	0.351		
Ethylbenzene*	<0.050	0.050	02/13/2019	ND	2.05	102	2.00	2.20		
Total Xylenes*	0.671	0.150	02/13/2019	ND	6.08	101	6.00	0.756		
Total BTEX	0.671	0.300	02/13/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	02/15/2019	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	26.8	10.0	02/13/2019	ND	181	90.6	200	8.12	
DRO >C10-C28*	702	10.0	02/13/2019	ND	181	90.3	200	8.31	
EXT DRO >C28-C36	94.8	10.0	02/13/2019	ND					

Surrogate: 1-Chlorooctane 83.8 % 41-142

Surrogate: 1-Chlorooctadecane 97.5 % 37.6-147

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Analytical Results For:

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Received:	02/11/2019	Sampling Date:	02/08/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SP 3 @ 3' (H900531-16)

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	02/14/2019	ND	2.17	108	2.00	1.34	
Toluene*	<0.050	0.050	02/14/2019	ND	2.05	102	2.00	0.351	
Ethylbenzene*	<0.050	0.050	02/14/2019	ND	2.05	102	2.00	2.20	
Total Xylenes*	0.524	0.150	02/14/2019	ND	6.08	101	6.00	0.756	
Total BTEX	0.524	0.300	02/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	02/15/2019	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	44.9	10.0	02/13/2019	ND	181	90.6	200	8.12	
DRO >C10-C28*	729	10.0	02/13/2019	ND	181	90.3	200	8.31	
EXT DRO >C28-C36	90.3	10.0	02/13/2019	ND					

Surrogate: 1-Chlorooctane 87.7 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Analytical Results For:

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Received:	02/11/2019	Sampling Date:	02/08/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SP 3 @ 4' (H900531-17)

BTX 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	02/14/2019	ND	2.17	108	2.00	1.34	
Toluene*	<0.050	0.050	02/14/2019	ND	2.05	102	2.00	0.351	
Ethylbenzene*	<0.050	0.050	02/14/2019	ND	2.05	102	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/14/2019	ND	6.08	101	6.00	0.756	
Total BTX	<0.300	0.300	02/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	02/15/2019	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2019	ND	181	90.6	200	8.12	
DRO >C10-C28*	60.7	10.0	02/13/2019	ND	181	90.3	200	8.31	
EXT DRO >C28-C36	<10.0	10.0	02/13/2019	ND					

Surrogate: 1-Chlorooctane 79.5 % 41-142

Surrogate: 1-Chlorooctadecane 84.1 % 37.6-147

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 Fax To: (575) 397-0397

Received:	02/11/2019	Sampling Date:	02/08/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SP 3 @ 5' (H900531-18)

BTX 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	02/14/2019	ND	2.17	108	2.00	1.34	
Toluene*	<0.050	0.050	02/14/2019	ND	2.05	102	2.00	0.351	
Ethylbenzene*	<0.050	0.050	02/14/2019	ND	2.05	102	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/14/2019	ND	6.08	101	6.00	0.756	
Total BTX	<0.300	0.300	02/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/15/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2019	ND	181	90.6	200	8.12	
DRO >C10-C28*	<10.0	10.0	02/13/2019	ND	181	90.3	200	8.31	
EXT DRO >C28-C36	<10.0	10.0	02/13/2019	ND					

Surrogate: 1-Chlorooctane 79.6 % 41-142

Surrogate: 1-Chlorooctadecane 78.8 % 37.6-147

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Received:	02/11/2019	Sampling Date:	02/08/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: NORTH @ SURFACE (H900531-19)

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	02/14/2019	ND	2.17	108	2.00	1.34		
Toluene*	<0.050	0.050	02/14/2019	ND	2.05	102	2.00	0.351		
Ethylbenzene*	<0.050	0.050	02/14/2019	ND	2.05	102	2.00	2.20		
Total Xylenes*	<0.150	0.150	02/14/2019	ND	6.08	101	6.00	0.756		
Total BTEx	<0.300	0.300	02/14/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/15/2019	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2019	ND	181	90.6	200	8.12	
DRO >C10-C28*	<10.0	10.0	02/13/2019	ND	181	90.3	200	8.31	
EXT DRO >C28-C36	<10.0	10.0	02/13/2019	ND					

Surrogate: 1-Chlorooctane 78.3 % 41-142

Surrogate: 1-Chlorooctadecane 76.9 % 37.6-147

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Received:	02/11/2019	Sampling Date:	02/08/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: EAST@ SURFACE (H900531-20)

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	02/14/2019	ND	2.17	108	2.00	1.34	
Toluene*	<0.050	0.050	02/14/2019	ND	2.05	102	2.00	0.351	
Ethylbenzene*	<0.050	0.050	02/14/2019	ND	2.05	102	2.00	2.20	
Total Xylenes*	<0.150	0.150	02/14/2019	ND	6.08	101	6.00	0.756	
Total BTEx	<0.300	0.300	02/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/15/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2019	ND	181	90.6	200	8.12	
DRO >C10-C28*	<10.0	10.0	02/13/2019	ND	181	90.3	200	8.31	
EXT DRO >C28-C36	<10.0	10.0	02/13/2019	ND					

Surrogate: 1-Chlorooctane 64.6 % 41-142

Surrogate: 1-Chlorooctadecane 62.8 % 37.6-147

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

Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	02/11/2019	Sampling Date:	02/08/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: WEST @ SURFACE (H900531-21)

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	02/14/2019	ND	2.24	112	2.00	3.07	
Toluene*	<0.050	0.050	02/14/2019	ND	2.12	106	2.00	2.85	
Ethylbenzene*	<0.050	0.050	02/14/2019	ND	2.06	103	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/14/2019	ND	6.21	104	6.00	2.41	
Total BTEx	<0.300	0.300	02/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/15/2019	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2019	ND	181	90.6	200	8.12	
DRO >C10-C28*	<10.0	10.0	02/13/2019	ND	181	90.3	200	8.31	
EXT DRO >C28-C36	<10.0	10.0	02/13/2019	ND					

Surrogate: 1-Chlorooctane 79.3 % 41-142

Surrogate: 1-Chlorooctadecane 78.1 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	02/11/2019	Sampling Date:	02/08/2019
Reported:	02/15/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 35 26 FED COM #23H	Sampling Condition:	Cool & Intact
Project Number:	(8-21-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY- EDDY CO NM		

Sample ID: SOUTH @ SURFACE (H900531-22)

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	02/14/2019	ND	2.24	112	2.00	3.07	
Toluene*	<0.050	0.050	02/14/2019	ND	2.12	106	2.00	2.85	
Ethylbenzene*	<0.050	0.050	02/14/2019	ND	2.06	103	2.00	2.35	
Total Xylenes*	<0.150	0.150	02/14/2019	ND	6.21	104	6.00	2.41	
Total BTEx	<0.300	0.300	02/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/15/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2019	ND	181	90.6	200	8.12	
DRO >C10-C28*	<10.0	10.0	02/13/2019	ND	181	90.3	200	8.31	
EXT DRO >C28-C36	<10.0	10.0	02/13/2019	ND					

Surrogate: 1-Chlorooctane 81.7 % 41-142

Surrogate: 1-Chlorooctadecane 79.8 % 37.6-147

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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-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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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

1083

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CI</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH-EXT</div> </div>											
Address: P.O. Box 805				Company: <i>Oxy</i>															
City: Hobbs State: NM Zip: 88241				Attn: <i>Dittrich</i>															
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:															
Project #: Project Owner: Oxy				City:															
Project Name: Corral Fly 35 26 Fed Com #23H (8/21/18)				State: Zip:															
Project Location: Eddy County, NM				Phone #:															
Sampler Name: Jeff Ornelas				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX				PRESERV.	SAMPLING											
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME						
<i>H900531</i>																			
<i>1</i>	SP1 @ SURFACE	<i>G</i>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>			2/7/19	12:45 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<i>2</i>	SP1 @ 1'											2/7/19	12:56 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<i>3</i>	SP1 @ 2'											2/7/19	1:11 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<i>4</i>	SP1 @ 3'											2/7/19	1:18 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<i>5</i>	SP1 @ 4'											2/7/19	1:29 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<i>6</i>	SP1 @ 5'											2/7/19	1:39 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<i>7</i>	SP2 @ SURFACE											2/7/19	1:45 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<i>8</i>	SP2 @ 1'											2/7/19	1:49 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<i>9</i>	SP2 @ 2'											2/7/19	1:59 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
<i>10</i>	SP2 @ 3'											2/7/19	2:15 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

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Relinquished By: <i>Jeff Ornelas</i>	Date: <i>2/8/19</i> Time: <i>5:00pm</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>[Signature]</i>	Date: <i>2-11-19</i> Time: <i>15:55</i>	Received By: <i>[Signature]</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>5.4c #97</i>			REMARKS:	
Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials) <i>TO-</i>		

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

20x3

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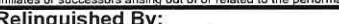





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3083

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Relinquished By: 		Date: 2-18-19		Received By: 		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time: 5:00pm				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By: 		Date: 2-11-19		Received By: 		REMARKS:			
		Time: 15:55							
Delivered By: (Circle One)									
Sampler - UPS - Bus - Other:		5.4c #97		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials) TO			

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



APPENDIX C

Photographic Documentation



View of the initial excavation area (March 31, 2022), facing north.

Date & Time: Tue, Apr 05, 2022, 12:17:01 MDT
Position: +032.164647° / -103.958845° (±11.6ft)
Altitude: 3029ft (±9.8ft)
Datum: WGS-84
Azimuth/Bearing: 003° N03E 0053mils True (±22°)
Elevation Angle: -05.5°
Horizon Angle: +02.1°
Zoom: 0.5X



View of the excavation area during initial confirmation sampling (April 5, 2022), facing north.



View of the excavation area (May 2, 2022), facing southeast.



View of the excavation area during final confirmation sampling (June 3, 2022), facing southeast.



APPENDIX D

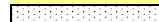
Tables

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Oxy USA Inc. - Corral Fly 35-26 Fed Com 23H
Eddy County, New Mexico

Ensolum Project No. 03B1417033

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (≤ 50 feet)			10	NE	NE	NE	50	NE	NE	NE	100	600
Composite Floor Sample Analytical Results												
FS-1	4/5/2022	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	81.8	20.8	103	144
	5/2/2022	2.5	NS					<10.0	14.2	<10.0	14.2	NS
FS-2	4/5/2022	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	191	66.4	257	96.0
	5/2/2022	2.5	NS					<10.0	167	47.8	215	NS
	5/20/2022	2.5	NS					<10.0	123	29.7	153	NS
	5/23/2022	4	NS					<10.0	257	91.4	348	NS
	6/3/2022	5	NS					<10.0	40.3	10.6	50.9	NS
FS-3	4/5/2022	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	117	30.4	147	144
	5/2/2022	2.5	NS					<10.0	148	39.2	187	NS
	5/20/2022	2.5	NS					<10.0	14.1	<10.0	14.1	NS
	5/23/2022	4	NS					<10.0	<10.0	<10.0	<10.0	NS
FS-4	4/5/2022	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	53.9	12.9	66.8	96.0
FS-5	4/5/2022	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	31.5	<10.0	31.5	128
Sidewall Sample Analytical Results												
N-SW-1	4/5/2022	0 - 2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
E-SW-1	4/5/2022	0 - 2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
E-SW-2	4/5/2022	0 - 2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.4	<10.0	11.4	96.0
E-SW-3	4/5/2022	0 - 2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
S-SW-1	4/5/2022	0 - 2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	47.1	<10.0	47.1	80.0
S-SW-2	4/5/2022	0 - 2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
W-SW-1	4/7/2022	0 - 2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	46.1	16.9	63.0	32.0
W-SW-2	4/7/2022	0 - 2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	105	44.5	150	48.0
	5/2/2022	0 - 2.5	NS					<10.0	120	33.0	153	NS
	5/20/2022	0 - 2.5	NS					<10.0	44.7	10.3	55.0	NS
	5/23/2022	0 - 4	NS					<10.0	<10.0	<10.0	<10.0	NS
W-SW-3	4/7/2022	0 - 2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0

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

 Over Excavated and/or Re-Sampled

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

NS: Not Sampled

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX E

Laboratory Data Sheets and Chain-of-Custody Documentation



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

April 08, 2022

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

RE: CORRAL FLY 35 26 FED COM #23H

Enclosed are the results of analyses for samples received by the laboratory on 04/06/22 11:40.

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: 04/06/2022
 Reported: 04/08/2022
 Project Name: CORRAL FLY 35 26 FED COM #23H
 Project Number: 03B1417033
 Project Location: OXY

Sampling Date: 04/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS - 1 2.5' (H221370-01)

BTX 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	04/08/2022	ND	2.26	113	2.00	4.53		
Toluene*	<0.050	0.050	04/08/2022	ND	2.22	111	2.00	4.20		
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.19	110	2.00	4.74		
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.74	112	6.00	4.01		
Total BTX	<0.300	0.300	04/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/07/2022	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	04/07/2022	ND	195	97.6	200	3.40		
DRO >C10-C28*	81.8	10.0	04/07/2022	ND	205	103	200	1.54		
EXT DRO >C28-C36	20.8	10.0	04/07/2022	ND						

Surrogate: 1-Chlorooctane 77.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.4 % 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: 04/06/2022
Reported: 04/08/2022
Project Name: CORRAL FLY 35 26 FED COM #23H
Project Number: 03B1417033
Project Location: OXY

Sampling Date: 04/05/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: FS - 2 2.5' (H221370-02)

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	04/08/2022	ND	2.26	113	2.00	4.53	
Toluene*	<0.050	0.050	04/08/2022	ND	2.22	111	2.00	4.20	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.19	110	2.00	4.74	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.74	112	6.00	4.01	
Total BTEx	<0.300	0.300	04/08/2022	ND					

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

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	04/07/2022	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	04/07/2022	ND	195	97.6	200	3.40	
DRO >C10-C28*	191	10.0	04/07/2022	ND	205	103	200	1.54	
EXT DRO >C28-C36	66.4	10.0	04/07/2022	ND					

Surrogate: 1-Chlorooctane 73.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 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: 04/06/2022
 Reported: 04/08/2022
 Project Name: CORRAL FLY 35 26 FED COM #23H
 Project Number: 03B1417033
 Project Location: OXY

Sampling Date: 04/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS - 3 2.5' (H221370-03)

BTX 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	04/08/2022	ND	2.26	113	2.00	4.53		
Toluene*	<0.050	0.050	04/08/2022	ND	2.22	111	2.00	4.20		
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.19	110	2.00	4.74		
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.74	112	6.00	4.01		
Total BTEX	<0.300	0.300	04/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

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	04/07/2022	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	04/07/2022	ND	195	97.6	200	3.40		
DRO >C10-C28*	117	10.0	04/07/2022	ND	205	103	200	1.54		
EXT DRO >C28-C36	30.4	10.0	04/07/2022	ND						

Surrogate: 1-Chlorooctane 74.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.5 % 59.5-142

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Analytical Results For:

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

Received: 04/06/2022
 Reported: 04/08/2022
 Project Name: CORRAL FLY 35 26 FED COM #23H
 Project Number: 03B1417033
 Project Location: OXY

Sampling Date: 04/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS - 4 2.5' (H221370-04)

BTX 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	04/08/2022	ND	2.26	113	2.00	4.53	
Toluene*	<0.050	0.050	04/08/2022	ND	2.22	111	2.00	4.20	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.19	110	2.00	4.74	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.74	112	6.00	4.01	
Total BTX	<0.300	0.300	04/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

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	04/07/2022	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	04/07/2022	ND	195	97.6	200	3.40	
DRO >C10-C28*	53.9	10.0	04/07/2022	ND	205	103	200	1.54	
EXT DRO >C28-C36	12.9	10.0	04/07/2022	ND					

Surrogate: 1-Chlorooctane 72.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.3 % 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: 04/06/2022
 Reported: 04/08/2022
 Project Name: CORRAL FLY 35 26 FED COM #23H
 Project Number: 03B1417033
 Project Location: OXY

Sampling Date: 04/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS - 5 2.5' (H221370-05)

BTX 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	04/08/2022	ND	2.26	113	2.00	4.53	
Toluene*	<0.050	0.050	04/08/2022	ND	2.22	111	2.00	4.20	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.19	110	2.00	4.74	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.74	112	6.00	4.01	
Total BTX	<0.300	0.300	04/08/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/07/2022	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	04/07/2022	ND	195	97.6	200	3.40	
DRO >C10-C28*	31.5	10.0	04/07/2022	ND	205	103	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					

Surrogate: 1-Chlorooctane 78.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.2 % 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: 04/06/2022
 Reported: 04/08/2022
 Project Name: CORRAL FLY 35 26 FED COM #23H
 Project Number: 03B1417033
 Project Location: OXY

Sampling Date: 04/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: N - SW - 1 0- 2.5' (H221370-06)

BTX 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	04/07/2022	ND	1.97	98.7	2.00	8.08		
Toluene*	<0.050	0.050	04/07/2022	ND	1.95	97.3	2.00	8.20		
Ethylbenzene*	<0.050	0.050	04/07/2022	ND	1.84	92.1	2.00	8.69		
Total Xylenes*	<0.150	0.150	04/07/2022	ND	5.74	95.7	6.00	8.61		
Total BTX	<0.300	0.300	04/07/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/07/2022	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	04/07/2022	ND	195	97.6	200	3.40	
DRO >C10-C28*	<10.0	10.0	04/07/2022	ND	205	103	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					

Surrogate: 1-Chlorooctane 82.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.0 % 59.5-142

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Analytical Results For:

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

Received: 04/06/2022
 Reported: 04/08/2022
 Project Name: CORRAL FLY 35 26 FED COM #23H
 Project Number: 03B1417033
 Project Location: OXY

Sampling Date: 04/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: E - SW - 1 0- 2.5' (H221370-07)

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	04/08/2022	ND	1.97	98.7	2.00	8.08		
Toluene*	<0.050	0.050	04/08/2022	ND	1.95	97.3	2.00	8.20		
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	1.84	92.1	2.00	8.69		
Total Xylenes*	<0.150	0.150	04/08/2022	ND	5.74	95.7	6.00	8.61		
Total BTEX	<0.300	0.300	04/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/07/2022	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	04/07/2022	ND	195	97.6	200	3.40	
DRO >C10-C28*	<10.0	10.0	04/07/2022	ND	205	103	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					

Surrogate: 1-Chlorooctane 79.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.1 % 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: 04/06/2022
 Reported: 04/08/2022
 Project Name: CORRAL FLY 35 26 FED COM #23H
 Project Number: 03B1417033
 Project Location: OXY

Sampling Date: 04/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: E - SW - 2 0- 2.5' (H221370-08)

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	04/08/2022	ND	1.97	98.7	2.00	8.08		
Toluene*	<0.050	0.050	04/08/2022	ND	1.95	97.3	2.00	8.20		
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	1.84	92.1	2.00	8.69		
Total Xylenes*	<0.150	0.150	04/08/2022	ND	5.74	95.7	6.00	8.61		
Total BTEx	<0.300	0.300	04/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/07/2022	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	04/07/2022	ND	181	90.5	200	0.0127	
DRO >C10-C28*	11.4	10.0	04/07/2022	ND	187	93.3	200	1.57	QM-07, QR-03
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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Analytical Results For:

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

Received: 04/06/2022
 Reported: 04/08/2022
 Project Name: CORRAL FLY 35 26 FED COM #23H
 Project Number: 03B1417033
 Project Location: OXY

Sampling Date: 04/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: E - SW - 3 0- 2.5' (H221370-09)

BTX 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	04/08/2022	ND	1.97	98.7	2.00	8.08		
Toluene*	<0.050	0.050	04/08/2022	ND	1.95	97.3	2.00	8.20		
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	1.84	92.1	2.00	8.69		
Total Xylenes*	<0.150	0.150	04/08/2022	ND	5.74	95.7	6.00	8.61		
Total BTX	<0.300	0.300	04/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/07/2022	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	04/07/2022	ND	181	90.5	200	0.0127	
DRO >C10-C28*	<10.0	10.0	04/07/2022	ND	187	93.3	200	1.57	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 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: 04/06/2022
 Reported: 04/08/2022
 Project Name: CORRAL FLY 35 26 FED COM #23H
 Project Number: 03B1417033
 Project Location: OXY

Sampling Date: 04/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - SW - 1 0- 2.5' (H221370-10)

BTX 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	04/08/2022	ND	1.97	98.7	2.00	8.08		
Toluene*	<0.050	0.050	04/08/2022	ND	1.95	97.3	2.00	8.20		
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	1.84	92.1	2.00	8.69		
Total Xylenes*	<0.150	0.150	04/08/2022	ND	5.74	95.7	6.00	8.61		
Total BTX	<0.300	0.300	04/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/07/2022	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	04/07/2022	ND	181	90.5	200	0.0127	
DRO >C10-C28*	47.1	10.0	04/07/2022	ND	187	93.3	200	1.57	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 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: 04/06/2022
 Reported: 04/08/2022
 Project Name: CORRAL FLY 35 26 FED COM #23H
 Project Number: 03B1417033
 Project Location: OXY

Sampling Date: 04/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - SW - 2 0- 2.5' (H221370-11)

BTX 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	04/08/2022	ND	1.97	98.7	2.00	8.08		
Toluene*	<0.050	0.050	04/08/2022	ND	1.95	97.3	2.00	8.20		
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	1.84	92.1	2.00	8.69		
Total Xylenes*	<0.150	0.150	04/08/2022	ND	5.74	95.7	6.00	8.61		
Total BTX	<0.300	0.300	04/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/07/2022	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	04/07/2022	ND	181	90.5	200	0.0127	
DRO >C10-C28*	<10.0	10.0	04/07/2022	ND	187	93.3	200	1.57	
EXT DRO >C28-C36	<10.0	10.0	04/07/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

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

Page 1 of 2

Company Name: ENSOLVM		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: BEAUX JENNINGS		Company: OKY					
Address: 705 W MADLEY AVE, SUITE 240		Attn: WADE DITTRICH					
City: MIDLAND		Address:					
State: TX Zip: 79705							
Phone #: (210) 219-8858		City:					
Fax #: Project Owner:		State:					
Project #: 03B1417033		Zip:					
Project Name: CORRAL FLY 35 26 FED CAN #23 H		Phone #: (575) 390-2828					
Project Location:		Fax #:					
Sampler Name: GILBERT MORENO		PRESERV		SAMPLING			
FOR LAB USE ONLY							
Lab I.D.	Sample I.D.	[F+] DEPTH	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING
					GROUNDWATER		
					WASTEWATER		
					SOIL		
					OIL		
					SLUDGE		
					OTHER :		
					ACID/BASE:		
					ICE / COOL		
					OTHER :		
					DATE	TIME	
H22137D	FS-1	2.5'	C	1	4-5-22	10:00	TPH (8015 M)
1	FS-2	2.5'	C	1	4-5-22	10:05	BTEX
2	FS-3	2.5'	C	1	4-5-22	10:07	CHLORIDES (300.0)
3	FS-4	2.5'	C	1	4-5-22	10:10	
4	FS-5	2.5'	C	1	4-5-22	10:15	
5	N-SW-1	0-2.5'	C	1	4-5-22	10:20	
6	E-SW-1	0-2.5'	C	1	4-5-22	10:25	
7	E-SW-2	0-2.5'	C	1	4-5-22	10:30	
8	E-SW-3	0-2.5'	C	1	4-5-22	10:35	
9	S-SW-1	0-2.5'	C	1	4-5-22	10:40	
10							

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Relinquished By: <i>C. Gentry</i>	Date: 4-6-22	Time: 11:40	Received By: <i>Wade Dittich</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Time:	Received By:	All Results are emailed. Please provide Email address:	
Delivered By: (Circle One)	Observed Temp. °C: 40	Corrected Temp. °C: 3.5	Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>W.D.</i>	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Sampler - UPS - Bus - Other:					Bacteria (only) Sample Condition: <input type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No
					Thermometer ID #113
					Correction Factor -0.5°C
					Corrected Temp. °C

REMARKS: *BTennings@ensolum.com*
Email Wade Dittich

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



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 2

[illegible]



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

April 13, 2022

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

RE: CORRAL FLY 35 26 FED COM #23H

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".

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
 Reported: 04/13/2022
 Project Name: CORRAL FLY 35 26 FED COM #23H
 Project Number: 03B1417033
 Project Location: OXY

Sampling Date: 04/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - SW - 1 0- 2.5' (H221434-01)

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*	<0.050	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) 104 % 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*	46.1	10.0	04/12/2022	ND	187	93.4	200	2.88	
EXT DRO >C28-C36	16.9	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 100 % 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



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Analytical Results For:

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

Received: 04/08/2022
 Reported: 04/13/2022
 Project Name: CORRAL FLY 35 26 FED COM #23H
 Project Number: 03B1417033
 Project Location: OXY

Sampling Date: 04/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - SW - 2 0- 2.5' (H221434-02)

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) 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	48.0	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*	105	10.0	04/12/2022	ND	187	93.4	200	2.88	
EXT DRO >C28-C36	44.5	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 85.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.8 % 59.5-142

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*=Accredited Analyte

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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
 Reported: 04/13/2022
 Project Name: CORRAL FLY 35 26 FED COM #23H
 Project Number: 03B1417033
 Project Location: OXY

Sampling Date: 04/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - SW - 3 0- 2.5' (H221434-03)

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*	<0.150	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) 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	48.0	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*	<10.0	10.0	04/12/2022	ND	187	93.4	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 98.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



ANALYSIS REQUEST

Released to Imaging: 9/30/2022 9:01:34 AM



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

May 04, 2022

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

RE: CORRAL FLY 35 26 FED COM #23H

Enclosed are the results of analyses for samples received by the laboratory on 05/02/22 14:20.

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".

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: 05/02/2022
 Reported: 05/04/2022
 Project Name: CORRAL FLY 35 26 FED COM #23H
 Project Number: 03B1417033
 Project Location: OXY

Sampling Date: 05/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 1 2.5' (H221806-01)

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	05/04/2022	ND	190	94.8	200	5.61	
DRO >C10-C28*	14.2	10.0	05/04/2022	ND	184	92.2	200	0.162	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

Sample ID: FS - 2 2.5' (H221806-02)

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	05/04/2022	ND	190	94.8	200	5.61	
DRO >C10-C28*	167	10.0	05/04/2022	ND	184	92.2	200	0.162	
EXT DRO >C28-C36	47.8	10.0	05/04/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 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: 05/02/2022
 Reported: 05/04/2022
 Project Name: CORRAL FLY 35 26 FED COM #23H
 Project Number: 03B1417033
 Project Location: OXY

Sampling Date: 05/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 3 2.5' (H221806-03)

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	05/04/2022	ND	190	94.8	200	5.61	
DRO >C10-C28*	148	10.0	05/04/2022	ND	184	92.2	200	0.162	
EXT DRO >C28-C36	39.2	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	106 %	66.9-136							
Surrogate: 1-Chlorooctadecane	112 %	59.5-142							

Sample ID: W - SW - 2 0-2.5' (H221806-04)

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	05/04/2022	ND	190	94.8	200	5.61	
DRO >C10-C28*	120	10.0	05/04/2022	ND	184	92.2	200	0.162	
EXT DRO >C28-C36	33.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	100 %	66.9-136							
Surrogate: 1-Chlorooctadecane	98.8 %	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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

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: Eadsbury, LLC Project Manager: Bruce Semmings Address: 601 N. Main St., Ste 400 City: Midland State: TX Zip: 79701 Phone #: 210-219-8858 Fax #: Project #: 0381417-033 Project Owner: Project Name: Corral City 35-26 Fed. Court, 23H Project Location: NM Sampler Name: Bruce Semmings FOR LAB USE ONLY		BILL TO P.O. #: Company: Daylight Inc. Attn: Wade Dittich Address: City: State: Zip: Phone #: 575-340-2828 Fax #:		ANALYSIS REQUEST												
Lab I.D. 10218010 1 2 3 4	Sample I.D. ES-1 ES-2 ES-3 W-5W-2	Depth (ft) 2.5' 2.5' 2.5' 0-2.5'	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	MATRIX PRESERV SAMPLING	DATE 5/2/22 5/2/22 5/2/22 6/2/22	TIME 11:2 11:5 11:7 11:0	TPH (#80511)									
Relinquished By: [Signature] Date: 5/2/22 Time: 11:00 Date: 11/20 Time:		Received By: [Signature] Date: 5/2/22 Time: 11:00 Date: 11/20 Time:		REMARKS: All Results are emailed. Please provide Email address: bsemmings@eadsbury.com												
Delivered By: (Circle One) Sampler - JPS - Bus - Other:		Observed Temp. °C: 32.2 Corrected Temp. °C: 27.2	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: [Signature] (Initials)	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Observed Temp. °C Corrected Temp. °C	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:									

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



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

May 27, 2022

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

RE: CORRAL FLY 35 26 FED COM #23H

Enclosed are the results of analyses for samples received by the laboratory on 05/20/22 13:35.

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: 05/20/2022
 Reported: 05/27/2022
 Project Name: CORRAL FLY 35 26 FED COM #23H
 Project Number: 03B1417033
 Project Location: OXY - EDDY CO., NM

Sampling Date: 05/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - SW - 2 (H222163-01)

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	05/26/2022	ND	197	98.6	200	6.84	
DRO >C10-C28*	44.7	10.0	05/26/2022	ND	187	93.5	200	2.54	
EXT DRO >C28-C36	10.3	10.0	05/26/2022	ND					

Surrogate: 1-Chlorooctane 97.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.4 % 59.5-142

Sample ID: FS - 2 (H222163-02)

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	05/26/2022	ND	197	98.6	200	6.84	
DRO >C10-C28*	123	10.0	05/26/2022	ND	187	93.5	200	2.54	
EXT DRO >C28-C36	29.7	10.0	05/26/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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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: 05/20/2022
 Reported: 05/27/2022
 Project Name: CORRAL FLY 35 26 FED COM #23H
 Project Number: 03B1417033
 Project Location: OXY - EDDY CO., NM

Sampling Date: 05/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 3 (H222163-03)

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	05/26/2022	ND	197	98.6	200	6.84	
DRO >C10-C28*	14.1	10.0	05/26/2022	ND	187	93.5	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	05/26/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	111 %	66.9-136							
Surrogate: 1-Chlorooctadecane	112 %	59.5-142							

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

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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

**BILL TO**

CUSTODY SEAL

ENVIRONMENTAL SAMPLING SUPPLY
www.essvial.com 800-233-8425

Date: _____
Signature: SHAD



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

May 27, 2022

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

RE: CORRAL FLY 35 26 FED COM #23H

Enclosed are the results of analyses for samples received by the laboratory on 05/23/22 14:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/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 with a large, stylized 'C' and 'K'.

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: 05/23/2022
 Reported: 05/27/2022
 Project Name: CORRAL FLY 35 26 FED COM #23H
 Project Number: 03B1417033
 Project Location: OXY - EDDY CO., NM

Sampling Date: 05/23/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W - SW - 2 0-4' (H222188-01)

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	05/26/2022	ND	193	96.5	200	4.25	
DRO >C10-C28*	<10.0	10.0	05/26/2022	ND	207	103	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	05/26/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

Sample ID: FS - 2 4' (H222188-02)

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*	<10.0	10.0	05/26/2022	ND	193	96.5	200	4.25		
DRO >C10-C28*	257	10.0	05/26/2022	ND	207	103	200	5.21		
EXT DRO >C28-C36	91.4	10.0	05/26/2022	ND						

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 148 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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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: 05/23/2022
 Reported: 05/27/2022
 Project Name: CORRAL FLY 35 26 FED COM #23H
 Project Number: 03B1417033
 Project Location: OXY - EDDY CO., NM

Sampling Date: 05/23/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: FS - 3 4' (H222188-03)

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	05/26/2022	ND	193	96.5	200	4.25	
DRO >C10-C28*	<10.0	10.0	05/26/2022	ND	207	103	200	5.21	
EXT DRO >C28-C36	<10.0	10.0	05/26/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	110 %	66.9-136							
Surrogate: 1-Chlorooctadecane	123 %	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

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

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

June 09, 2022

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

RE: CORRAL FLY 35 26 FED COM #23H

Enclosed are the results of analyses for samples received by the laboratory on 06/03/22 16:11.

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: 06/03/2022
 Reported: 06/09/2022
 Project Name: CORRAL FLY 35 26 FED COM #23H
 Project Number: 03B1417033
 Project Location: OXY - EDDY CO., NM

Sampling Date: 06/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS - 2 5' (H222375-01)

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	06/07/2022	ND	208	104	200	5.89	
DRO >C10-C28*	40.3	10.0	06/07/2022	ND	193	96.5	200	12.2	
EXT DRO >C28-C36	10.6	10.0	06/07/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 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

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

Cardinal Laboratories

*=Accredited Analyte

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC

Project Manager: Beaux Jennings

Address: 601 N Marland Street, Suite 400

City: Midland

Phone #: 210-219-8858

Project #: 03B1417033

Project Name: Corral Fly 35-26 Fed. Cor. 23H

Project Location: Eddy County, NM

Sampler Name: Kelly Pavey

BILL TO

ANALYSIS REQUEST

P.O. #: -

Company: Oxy USA Inc.

Attn: Wade Dittrich

Address: -

City: -

State: - Zip: -

Phone #: 575-390-2828

Fax #: -

FOR LAB USE ONLY

Lab I.D. Sample I.D. Depth (feet)

4022375

FS-2

5'

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

X

TPH 8015.M

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising under this contract or tort shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date: 6/3/22

Received By:

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

All Results are emailed. Please provide Email address:

Relinquished By:

Date: 6/1/22

Received By:

REMARKS:

B.jennings@ensolum.com

Delivered By: (Circle One)

Observed Temp.: 3.12°C

Sample Condition

CHECKED BY: (Initials)

Turnaround Time:

Standard

Bacteria (only)

Sample Condition

Observed Temp.: °C

Corrected Temp.: °C

Sampler - UPS - Bus - Other:

Corrected Temp.: 2.02°C

Cool Intact

Yes ☒ No ☐

Thermometer ID #113

Rush ☐

Cool Intact

Yes ☐ No ☐

Corrected Temp.: °C

Corrected Temp.: °C

Custody Seal

DATE

SIGNATURE

eurofins

Environment Testing
TestAmerica

1002260



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	NMAP1825436823
District RP	2RP-4961
Facility ID	N/A
Application ID	pMAP1825360493

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)	
Contact mailing address	PO Box 4294; Houston, TX 77210		

Location of Release Source

Latitude N 32.16496 Longitude W -103.95897
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Corral Fly 35 26 Fed Com #23H	Site Type	Well
Date Release Discovered	8/21/2018	API# (if applicable)	30-015-44704

Unit Letter	Section	Township	Range	County
C	2	25S	29E	Eddy County, NM

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) 7 bbls	Volume Recovered (bbls) 3.5 bbls
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) 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

Lact unit faulted out and tank overflowed

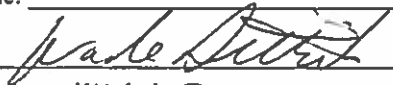

State of New Mexico
Oil Conservation Division

Incident ID	NMAP1825436823
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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
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 via email on 8/23/18 to Mike Bratcher, Maria Pruett- NMOCD; Shelly Tucker- BLM	

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> Signature: <u></u> email: <u>wade_dittrich@oxy.com</u>	Title: <u>Environmental Specialist</u> Date: <u>9-5-18</u> Telephone: <u>(575) 390-2828</u>
OCD Only Received by: <u></u> Date: <u>09/10/18</u>	

Incident ID	NMAP1825436823
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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?	N/A (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 checked="" type="checkbox"/> Yes <input 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.

State of New Mexico
Oil Conservation Division

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Printed Name: Wade Dittrich

Title: Environmental Specialist

Signature: 

Date: 7-13-22

email: wade_dittrich@oxy.com

Telephone: 575-390-2828

OCD Only

Received by: _____

Date: _____

Incident ID	NMAP1825436823
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Facility ID	N/A
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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: 7.13.22

email: wade_dittrich@oxy.com

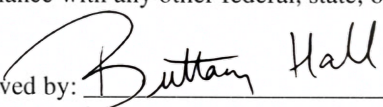
Telephone: 575-390-2828

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: 9/30/2022

Printed Name: Brittany Hall

Title: Environmental Specialist

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
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 125225

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 125225
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	9/30/2022