



September 15, 2025

New Mexico Oil Conservation Division

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

**Re: Closure Request
Corral Fly 35-26 Federal CTB
Incident Number NAPP2427834245
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Oxy USA INC (Oxy), has prepared this *Closure Request* to document excavation and soil sampling activities performed at Corral Fly 35-26 Federal CTB (Site). The purpose of the excavation and soil sampling activities was to address impacted soil resulting from a release produced water at the Site. Based on field observations, excavation activities, and laboratory analytical results from the soil sampling events, Oxy is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Number NAPP2427834245.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit B, Section 02, Township 25 South, Range 29 East, in Eddy County, New Mexico (32.163677°, -103.954141°) and is associated with oil and gas exploration and production operations on New Mexico State Trust Land (STL) managed by the New Mexico State Land Office (NMSLO).

On September 29, 2024, equipment failure on a water transfer pump resulted in a release of approximately 23 barrels (bbls) of produced water onto the pad. A vacuum truck was dispatched to the Site to recover free-standing fluids and approximately 10 bbls of released fluids were recovered. Oxy reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on October 4, 2024. The release was assigned Incident Number NAPP2427834245.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized for applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Potential Site receptors are identified on Figure 4.

The closest permitted groundwater well with depth to groundwater data was New Mexico Office of the State Engineer (OSE) well C-2459 drilled on July 27, 1995, located approximately 0.27 miles southwest of the Site. The groundwater well has a total depth of 150 feet below ground surface (bgs) with no groundwater encountered. Due to the age of the well, the NMOCD requested that a new depth to groundwater soil boring be drilled to confirm the presence or absence of groundwater within half a mile of the Site. On May 9, 2025, Ensolum and West Texas Water Well Service, a licensed driller in the state

of New Mexico, advanced one soil boring (C-04949-POD1 (SB-1)) to a total depth of 110 feet bgs. The boring was left open for a period of 72 hours to allow for the inflow of groundwater, if applicable. After 72 hours, the boring was measured with no groundwater encountered and was subsequently plugged per the approved plugging permit. All wells used for depth to groundwater determination are presented on Figure 4. The referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site based on the National Hydrography Dataset (NHD) map is an intermittent stream, located approximately 0.32 miles south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake, greater than 300 feet from a wetland, and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 500 feet from a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes and greater than 1,000 feet to any freshwater well or spring. The Site is not within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance, and is not within a 100-year floodplain or overlying a subsurface mine. The Site is underlain by unstable geology (medium potential karst designation area) but based on correspondence with the NMOCD, the new medium karst closure criteria does not apply to this release since it occurred prior to December 1, 2024. Site receptors are identified on Figure 4.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- Total TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

Since the release area is on an active facility pad in an area reasonably needed for production operations and/or drilling operations, no reclamation or re-vegetation was required at this time per 19.15.29.13 D (1) NMAC for the top 4 feet of areas that will be immediately reclaimed following remediation. Steps will be taken for reclamation and re-vegetation purposes once the pad is decommissioned in the future.

EXCAVATION ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

Between July 15, 2025 and August 13, 2025, Ensolum personnel were at the Site to oversee excavation of impacted soil in the area. Excavation activities were performed using a backhoe and transport vehicles. To direct excavation activities, soil was screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID), TPH utilizing a calibrated PetroFLAG® Soil Reagents test kit, and chlorides utilizing Hach® chloride QuanTab® test strips. The excavation was completed to depths ranging from 0.5-foot to 4 feet bgs. Photographic documentation of the excavation activities is included in Appendix B.

Following removal of impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS41 were collected from the floor of the excavation at depths ranging from 0.5-foot to 4 feet bgs. Composite soil samples SW01 through SW07 were collected from the sidewalls of the excavation at depths ranging from the ground surface to

Oxy USA, Inc.
Closure Request
Corral Fly 35-26 Federal CTB

Page 3

4 feet bgs. The soil samples were handled and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations were mapped utilizing a handheld GPS and are presented on Figure 3.

Laboratory analytical results for the final excavation floor soil samples FS01 through FS41 and the final excavation sidewall soil samples SW01 through SW07 indicated all chemicals of concern (COC) concentrations were compliant with the applicable Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix C.

The final excavation area measured approximately 8,044 square feet. A total of approximately 393 cubic yards of impacted soil was removed, transported, and properly disposed of at Lea Land Facility in Hobbs, New Mexico. Subsequent to receipt of final laboratory analytical results, the excavation was backfilled with clean fill material and recontoured back to original grade. The backfill laboratory analytical results are summarized in Table 2 and the complete laboratory analytical report is included as Appendix C.

CLOSURE REQUEST

Excavation activities were conducted at the Site to the extent practical to address the September 29, 2024, release of produced water. Laboratory analytical results for the excavation confirmation soil samples indicated all COC concentrations were compliant with the applicable Table I Closure Criteria. Since the release area is on an active facility pad in an area reasonably needed for production operations and/or drilling operations, no reclamation or re-vegetation was required at this time. Steps will be taken for reclamation and re-vegetation purposes once the pad is decommissioned in the future.

Oxy believes the remedial actions completed are protective of human health, the environment, and groundwater. As such, Oxy respectfully requests closure for Incident Number NAPP2427834245.

If you have any questions or comments, please contact Ms. Kelly Lowery at (214) 733-3165 or klowery@ensolum.com.

Sincerely,
Ensolum, LLC



Tabitha Guadian
Staff Geologist



Beaux Jennings
Associate Principal

cc: Daniel Sparks, OXY USA INC
New Mexico State Land Office

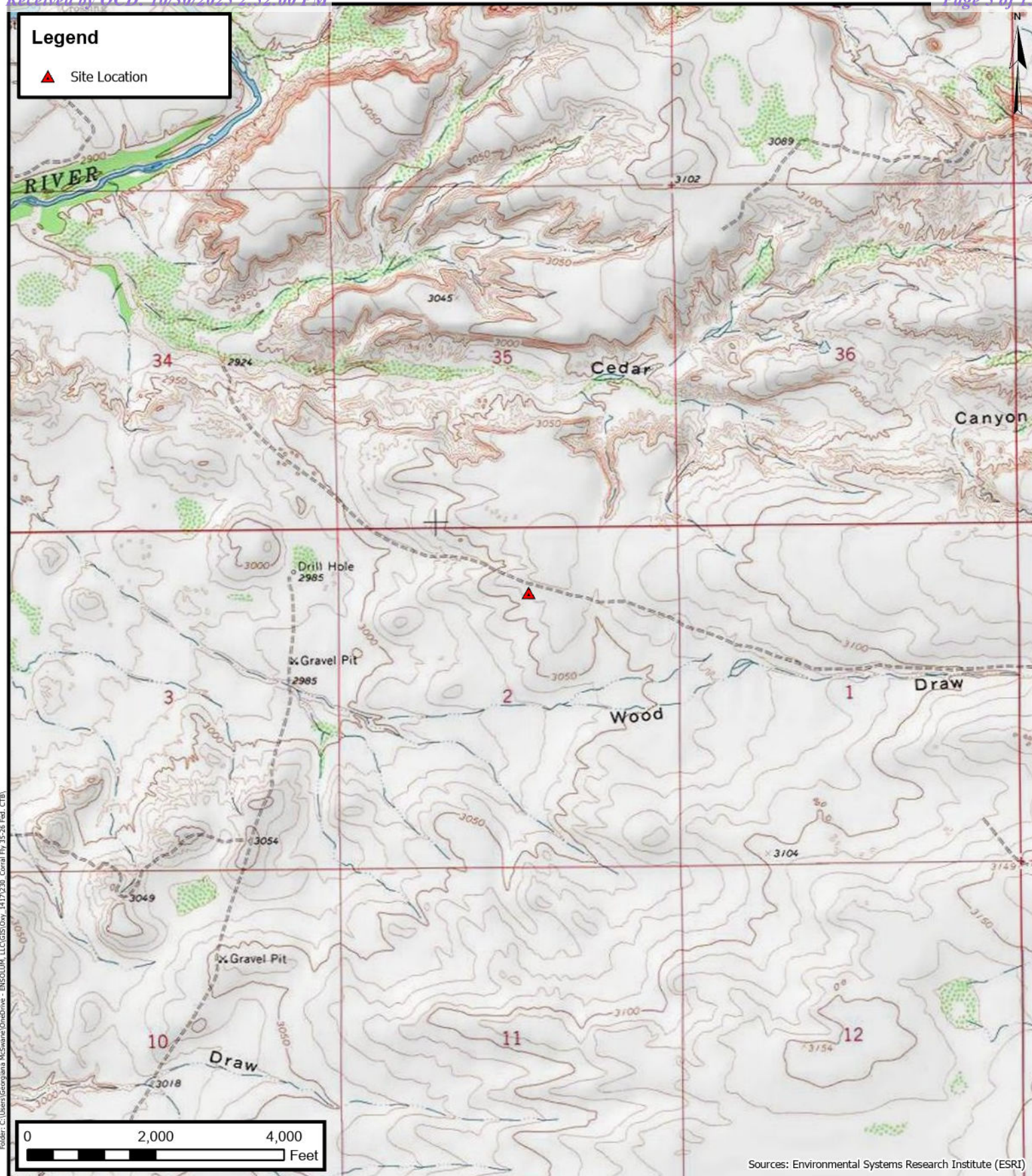
Appendices:

Figure 1	Topographic Map
Figure 2	Site Vicinity Map
Figure 3	Site Map
Figure 4	Closure Criteria Map
Table 1	Soil Sample Analytical Results
Table 2	Backfill Soil Sample Analytical Results
Appendix A	Supporting Documentation
Appendix B	Photographic Log
Appendix C	Laboratory Analytical Reports & Chain-of-Custody Documentation





FIGURES



Topographic Map

Oxy USA Inc.
Corral Fly 35-26 Fed. CTB
32.163677° N, 103.954141° W
Eddy County, New Mexico

PROJECT NUMBER: 03B1417230

FIGURE

1



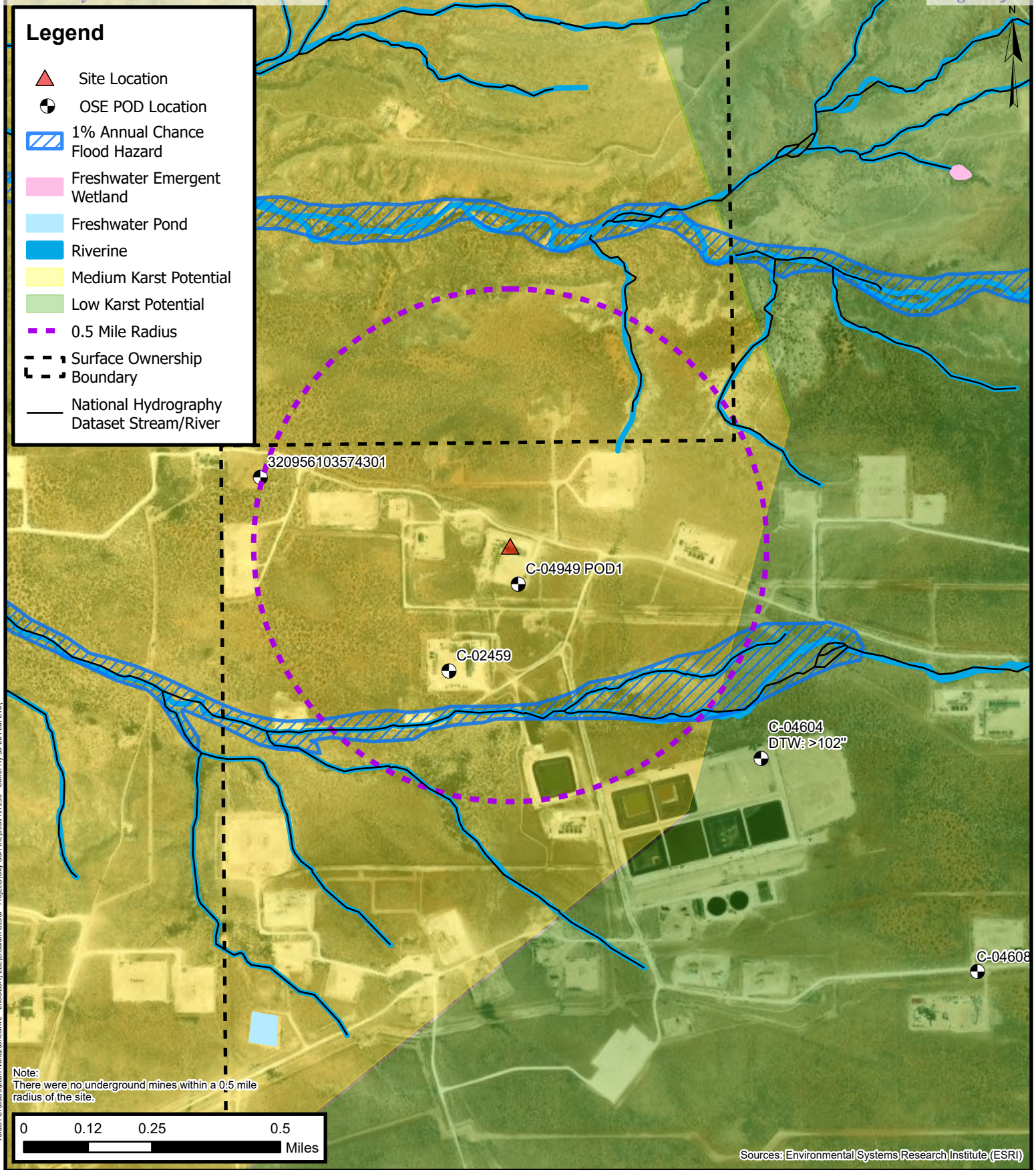
Site Vicinity Map

Oxy USA Inc.
Corral Fly 35-26 Fed. CTB
32.163677° N, 103.954141° W
Eddy County, New Mexico

PROJECT NUMBER: 03B1417230

FIGURE
2





Closure Criteria Map

Oxy USA Inc.
Corral Fly 35-26 Fed. CTB
Project Number: 03B1417230
32.163677, -103.954141
Eddy County, New Mexico

FIGURE

4



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
CORRAL FLY 35-26 FED. CTB
OXY USA INC
EDDY COUNTY, NEW MEXICO

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Excavation Floor Soil Samples										
FS01	07/15/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS02	07/15/2025	1	<0.050	<0.300	<10.0	13.1	<10.0	13.1	13.1	<16.0
FS03	07/15/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS04	07/15/2025	0.5	<0.050	<0.300	<10.0	23.7	<10.0	23.7	23.7	32.0
FS05	07/15/2025	0.5	<0.050	<0.300	<10.0	30.2	<10.0	30.2	30.2	<16.0
FS06	07/16/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,570
FS07	07/16/2025	4	<0.050	0.829	60.0	955	91.1	1,015	1,106	912
	07/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,420
FS08	07/17/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS09	07/17/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS10	07/17/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS11	07/17/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS12	07/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS13	07/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS14	07/17/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS15	07/17/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
FS16	07/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS17	07/17/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
FS18	07/17/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	960
FS19	07/17/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS20	07/17/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS21	07/17/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS22	07/17/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS23	07/17/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
FS24	07/17/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
FS25	07/30/2025	1	<0.050	<0.300	<10.0	320	71.2	320	391	2,200
FS26	07/30/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,360
FS27	07/30/2025	1	<0.050	<0.300	<10.0	685	128	685	813	896
FS28	07/30/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,720
FS29	07/30/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,720
FS30	07/30/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,000



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
CORRAL FLY 35-26 FED. CTB
OXY USA INC
EDDY COUNTY, NEW MEXICO

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
FS31	07/30/2025	4	<0.050	<0.300	<10.0	42.2	<10.0	42.2	42.2	24,800
	08/13/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,440
FS32	07/30/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,000
FS33	07/30/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,800
FS34	07/30/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,660
FS35	08/13/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,200
FS36	08/13/2025	4	<0.050	<0.300	<10.0	10.2	<10.0	10.2	10.2	528
FS37	08/13/2025	1	<0.050	<0.300	<10.0	31.7	<10.0	31.7	31.7	992
FS38	08/13/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,260
FS39	08/13/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,020
FS40	08/13/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
FS41	08/13/2025	1	<0.050	<0.300	<10.0	102	48.2	102	150	576
Excavation Sidewall Soil Samples										
SW01	07/15/2025	1	<0.050	<0.300	<10.0	29.1	10.7	29.1	39.8	<16.0
SW02	07/17/2025	0-1	<0.050	<0.300	<10.0	28.3	<10.0	28.3	28.3	416
SW03	07/17/2025	4	<0.050	<0.300	<10.0	15.9	<10.0	15.9	15.9	112
	07/30/2025	0-4	<0.050	<0.300	<10.0	14.0	<10.0	14.0	14.0	1,180
	08/13/2025	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SW04	07/30/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SW05	07/30/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	08/13/2025	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW06	07/30/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW07	08/13/2025	0-1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table 1 Closure Criteria or reclamation requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities



TABLE 2 BACKFILL SOIL SAMPLE ANALYTICAL RESULTS LEA LAND BACKFILL OXY USA, INC. LEA COUNTY, NEW MEXICO										
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Confirmation Backfill Soil Sample										
BF01	08/28/2025	NA	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112

Notes:
bgs: below ground surface
mg/kg: milligrams per kilogram
NMOCD: New Mexico Oil Conservation Division
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon

NA: Not Applicable
NE: Not Established
NMAC: New Mexico Administrative Code



APPENDIX A

Supporting Documentation

Kelly Lowery

From: Dittrich, John W <Wade_Dittrich@oxy.com>
Sent: Friday, January 3, 2025 4:00 PM
To: Kelly Lowery; Hadlie Green; Samantha MacKenzie; Georgiana McSwane
Subject: Fw: The Oil Conservation Division (OCD) has rejected the application, Application ID: 416845

[**EXTERNAL EMAIL**]

Corral Fly 35-26 CTB

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From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, January 3, 2025 2:30:56 PM
To: Dittrich, John W <wade_dittrich@oxy.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 416845

WARNING - This message is from an EXTERNAL SENDER - be CAUTIOUS, particularly with links and attachments.

To whom it may concern (c/o Wade Dittrich for OXY USA INC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2427834245, for the following reasons:

- **Remediation proposal denied for the following:**
- **Volume calculations were never submitted. The initial C-141 was rejected on 10/7/24 because the volume calculation attachment submitted with it said 18.4 BBL of PW and 4.6 BBL of oil were spilled, with 0 BBL recovered. The NOR however, stated 23 BBL of PW was spilled, with 10 BBL recovered. An initial C-141 was due to the OCD by 10/14/24 and should be submitted immediately with the correct volume calculations.**
- **Under Site Characterization, update minimum distance to a significant watercourse to between 1000 feet and ½ mile.**
- **This release occurred before 12/1/24, therefore the new Medium Karst closure criteria does not apply to this release and as such a variance is not needed to remediate to Table 1 DTGW Closure Criteria.**
- **The depth to groundwater variance is not approved, as the only OSE POD within a half mile is C-02459 and is 30 years old. If there are no wells within ½ mile of the site and/or the data from that well is more than 25 years old, a borehole can be drilled to 51' or 101'. If water is not detected in the open borehole after a 72-hour period, the OCD will accept this as a viable determination of depth to ground water. A copy of the driller's log is required.**

- **The release has not been fully delineated pursuant to 19.15.29.11 NMAC. Field Screening alone does not suffice. At least two soil samples must be submitted for laboratory analysis from each sample point.**
- **Due to incomplete delineation, a sampling variance request will not be approved at this time. Resubmit remediation plan or remediation closure request to the OCD by 4/3/25.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 416845.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Shelly Wells
Environmental Specialist-A
505-469-7520
Shelly.Wells@emnrd.nm.gov

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

Kelly Lowery

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, April 4, 2025 9:53 AM
To: Kelly Lowery
Cc: Dittrich, John W; Kent, Jessica; Beaux Jennings; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] (Extension Request) Oxy - Corral Fly 35-26 Fed. CTB (Facility ID: fAPP2126640243/Incident ID: nAPP2427834245) - September 29, 2024

[**EXTERNAL EMAIL**]

Good morning Kelly,

The extension request for NAPP2427834245 CORRAL FLY 35-26 FED. CTB is approved. The new due date to submit your updated remediation plan or closure report to the OCD is July 2, 2025. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Kelly Lowery <klowery@ensolum.com>
Sent: Thursday, April 3, 2025 4:45 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Dittrich, John W <Wade_Dittrich@oxy.com>; Kent, Jessica <Jessica_Kent@oxy.com>; Beaux Jennings <bjennings@ensolum.com>
Subject: [EXTERNAL] (Extension Request) Oxy - Corral Fly 35-26 Fed. CTB (Facility ID: fAPP2126640243/Incident ID: nAPP2427834245) - September 29, 2024

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

Good afternoon,

On behalf of Oxy USA, Inc, (Oxy) Ensolum, LLC would like to request a 90-day extension for the Corral Fly 35-26 Fed. CTB (Facility ID: fAPP2126640243/Incident ID: nAPP2427834245). Ensolum initially submitted a Remediation Work Plan to the NMOCD portal and to the NMSLO ECO group via email on January 3, 2025 for review. On January 3, 2025, NMOCD responded to Oxy with a denial of the Remediation Work Plan with stipulations that needed to be met/amended and requested that a new work plan be submitted by April 3, 2025. While waiting for the NMSLO

ECO group to respond to the submitted work plan, Oxy and Ensolum began tackling the line items specified by NMOCD that could be completed, such as the submittal of the volume calculations, amending the site characterization, and submitting a DTW boring application to the OSE.

On March 10, 2025, when a OSE Letter of Authorization was requested from the NMSLO to install the DTW boring, it was determined by NMSLO that the Remediation Work Plan had been misfiled due to a naming discrepancy and had not been filed correctly within their systems for review by the ECO department.


On March 26, 2025, NMSLO ECO responded with a concurrence of NMOCD's original denial with their own comments. To receive further clarification of the NMSLO ECO's comments, correspondence between Ensolum and NMSLO has been ongoing since.

Based on NMOCD and NMSLO's requests, a revised Remediation Work Plan is currently being drafted for submission. Additionally, Oxy and Ensolum are waiting on the approved DTW boring application so a DTW boring can be drilled in close proximity to the Site.

With all of this in mind, we humbly request a 90-day extension to continue remediation efforts at the Site.

Thank you,



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

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well SANTA FE ENERGY Owner's Well No. C-2459

Street or Post Office Address 550 W. TEXAS

City and State MIDLAND, TEXAS

Well was drilled under Permit No. _____ and is located in the:

a. SE NE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 2 Township 25S Range 29E N.M.P.M.

b. Tract No. _____ of Map No. CORRAL FLY#2 of the STATE NO.1 EDDY COUNTY

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
the _____ Grant.

(B) Drilling Contractor WEST TEXAS WATER WELL SERVICE License No. WD1184

Address 3432 W. UNIVERSITY ODESSA, TEXAS 79764

Drilling Began 7-27-95 Completed 7-27-95 Type tools AIR/ROTARY Size of hole 8 3/4 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 150 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well _____ ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
			NO WATER ENCOUNTERED	
			FORMATION LOG ON BACK	

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor WEST TEXAS WATER WELL SERVICE

Address 3432 W. UNIVERSITY ODESSA, TEXAS 79764

Plugging Method PUMPED CEMENT SLURRY

Date Well Plugged 7-27-95

Plugging approved by: _____

State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1	0	150	56.250
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 08-13-96

Quad _____ FWL _____ FSL _____

File No. C-2459 Use "Dry Hole" Location No. 25S.29E.2.144

RECEIVED
AUG 13
AM 11 55
OFFICE
MEXICO

Released to Imaging: 11/24/2025 9:18:14 AM

ENSOLUMEnvironmental, Engineering and
Hydrogeologic Consultants**Depth-to-Water Boring Log SB-1**

PROJECT NUMBER 03B1417230	DRILLING DATE 05/09/2025	COORDINATES 32.163677, -103.954141
PROJECT NAME Corral Fly 35-26 Federal CTB	TOTAL DEPTH 110' bgs	COORD SYS N/A
CLIENT OXY USA, inc.	DIAMETER 6.0"	COMPLETION Backfilled with cuttings
DRILLER West Texas Water Well Service	CASING N/A	SURFACE ELEVATION N/A
LICENCE NO. WD-1184	SCREEN N/A	WELL TOC N/A

COMMENTS Drilled by: Caleb Gregory. Borehole was left open for 72hrs and then subsequently backfilled with cuttings and plugged with Quikrete. No water was detected. SAA: Same As Above

LOGGED BY Kaoru Shimada

CHECKED BY Kelly Lowery

Depth (ft)	Graphic Log	Moisture	Material Description	Well Diagram
5		D	Sandy gravel, light reddish gray, some gravel, well graded, fine sand, non-plasticity, non-cohesive, dry	Concrete
10		D	Gravelly sand, pink, some gravel, fine well graded gravel, non-plasticity, non-cohesive, dry	
15		D	SAA, reddish brown	
20		D	Sand, light red, with gravel, well graded, non-plasticity, non-cohesive, fine, dry	
25		D	Sand, red, trace gravel, non-plasticity, non-cohesive, fine, dry	
30		D	Sand, light red, non-plasticity, non-cohesive, fine, dry	
35		D	Clayey sand, light red, few gravel, non-plasticity, non-cohesive, poorly graded, fine, dry	
40		D		
45		D	Clayey sand, light red, with little gravel, non-plasticity, non-cohesive, well graded, fine, dry	
50		D		
55				Backfill (Cuttings)
60			Sandy clay, red, with trace poorly graded gravel, non-plasticity, non-cohesive, fine to very fine, dry	
65			Sandy clay, reddish brown, non-plasticity, non-cohesive, fine to very fine, dry	
70			Clayey sand, reddish brown, non-plasticity, non-cohesive, fine to very fine, trace gravel, dry	
75			Clayey sand, Light reddish brown, non-plasticity, non-cohesive, fine to very fine, dry	
80			Clayey sand, pale red, non-plasticity, non-cohesive, fine to very fine, dry	
85				
90			Sandy clay, reddish brown, non-plasticity, non-cohesive, fine to very fine, dry	
95			SAA with some gravel	
100			Sandy clay, dark reddish brown, with trace gravel, poorly graded, non-plasticity, non-cohesive, very fine, dry	
105			Sandy clay, weak red, with trace poorly graded gravel, non-plasticity, non-cohesive, fine to very fine, dry	
110			Termination Depth at: 110 ft below ground surface (bgs)	

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

Page 1 of 1



Stephanie Garcia Richard
COMMISSIONER

State of New Mexico
Commissioner of Public Lands

310 OLD SANTA FE TRAIL
P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

COMMISSIONER'S
OFFICE

Phone (505) 827-5760

Fax (505) 827-5766

www.nmstatelands.org

March 10, 2025

New Mexico Office of the State Engineer
District II
1900 West Second Street
Roswell, New Mexico 88201

Re: Oxy USA, Inc. Application for Borehole

To Whom it May Concern:

The State Land Office has authorized Oxy USA, Inc. to drill one borehole in the following location:

SWNE Section 02 Township 25S Range 29E; 32.162581, -103.953881

This activity is authorized under State Land Office Lease #V0-3361-0001 to determine the depth of groundwater for the remediation project associated with NMOCD incident #nAPP24278834245.

Before processing, please email me a copy of the application submitted to your office so that I can verify that the information provided to you is consistent with the activity that the State Land Office has approved.

Sincerely,

Tami Knight

Tami C. Knight, CHMM
Environmental Specialist
SRD-Environmental Compliance Office (ECO)
New Mexico State Land Office
tknight@nmslo.gov

File No. **C-4949 Pad1**

NEW MEXICO OFFICE OF THE STATE ENGINEER



WR-07 APPLICATION FOR PERMIT TO DRILL

A WELL WITH NO WATER RIGHT

(check applicable boxes):



For fees, see State Engineer website: <https://www.ose.nm.gov/>

Purpose:	<input type="checkbox"/> Pollution Control And/Or Recovery	<input type="checkbox"/> Ground Source Heat Pump
<input type="checkbox"/> Exploratory Well*(Pump test)	<input type="checkbox"/> Construction Site/Public Works Dewatering	<input checked="" type="checkbox"/> Other(Describe): Temporary boring installed to determine absence/presence of groundwater.
<input type="checkbox"/> Monitoring Well	<input type="checkbox"/> Mine Dewatering	
A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.		
*New Mexico Environment Department-Drinking Water Bureau (NMED-DWB) will be notified if a proposed exploratory well is used for public water supply.		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Angled/Directional borehole - include schematic and azimuth, inclination, measured depth and true vertical depth.		
<input checked="" type="checkbox"/> Temporary Request - Requested Start Date: 3/10/2025 Requested End Date: 4/10/2025		
Plugging Plan of Operations Submitted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Note: if there is known artesian conditions, contamination or high mineral content at the drilling location, include the borehole log or a well log from an existing well at that location. If this information is not submitted, check box and attach form WD-09 to this form. ☐

1. APPLICANT(S)

Name: Oxy USA, Inc.	Name: Ensolum, LLC
Contact or Agent: Mr. Wade Dittrich check here if Agent <input checked="" type="checkbox"/>	Contact or Agent: Ms. Kelly Lowery check here if Agent <input type="checkbox"/>
Mailing Address: PO BOX 4294	Mailing Address: 601 N. Marienfeld St. Suite 400
City: Houston	City: Midland
State: Texas Zip Code: 77210	State: Texas Zip Code: 79701
Phone: <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell Phone (Work): (575) 390-2828	Phone: <input type="checkbox"/> Home <input type="checkbox"/> Cell Phone (Work): (214) 733-3165
E-mail (optional): wade_dittrich@oxy.com	E-mail (optional): klowery@ensolum.com

FOR OSE INTERNAL USE

Application for Permit, Form WR-07, Rev 10/02/2024

File No.: C-4949	Trn. No.: 781056	Receipt No.: 2-47780
Trans Description (optional): EXPL		
Sub-Basin: CUB	PCW/LOG Due Date: 3-20-2026	

Page 1 of 3

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

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84). District II (Roswell), District V (Aztec) and District VII (Cimarron) customers, provide a PLSS location in addition to above.					
<input type="checkbox"/> NM State Plane (NAD83) (Feet) <input type="checkbox"/> NM West Zone <input type="checkbox"/> NM East Zone <input type="checkbox"/> NM Central Zone		<input type="checkbox"/> UTM (NAD83) (Meters) <input type="checkbox"/> Zone 12N <input type="checkbox"/> Zone 13N		<input checked="" type="checkbox"/> Lat/Long (WGS84) (to the nearest 1/10 th of second)	
Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	-Public Land Survey System (PLSS) (QQQSection, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name	Well Depth in feet	Casing Diameter (OD)
SB-01 C-4949 Pod1	-103.953881	32.162581	SW 1/4 of NE 1/4 G02 T25S R29E	110'	6"
NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions) Additional well descriptions are attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how many _____					
Other description relating well to common landmarks, streets, or other: Soil boring will be on the Oxy Corral Fly 35-26 CTB pad (Facility ID: fAPP2126640243).					
Well is on land owned by: SLO (Commercial Lease No: BL25280000 & BL29130000. Oil & Gas Lease No: V033610001)					
Well Information: NOTE: If casings telescope or involve nested casing, please provide diagram. Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Approximate depth to water (feet): TBD			Outside diameter of well casing (inches): 6"		
Driller Name: West Texas Water Well Service			Driller License Number: WD-1184		

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

The investigation soil boring will be advanced to a depth of approximately 110 feet below ground surface for determination of regional groundwater depth. The soil boring (proposed location: 32.162581, -103.953881) will be located on the Oxy Corral Fly 35-26 CTB pad (32.16134, -103.95423) where the Corral Fly 35-26 Fed. CTB Site is located (Incident ID: nAPP2427834245, GPS: 32.163677, -103.954141) on SLO owned land (Commercial Lease No: BL25280000 & BL29130000. Oil & Gas Lease No: V033610001). The soil boring will be left open for approximately 72 hours to allow for the slow infill of groundwater, if any. Following the 72 hour waiting period, the soil boring will assessed utilizing a water level meter to confirm the presence or absence and depth to groundwater. Following the 72 hour waiting period, the soil boring will be backfilled following the approved New Mexico Office of the State Engineer plugging procedures.

FOR OSE INTERNAL USE

Application for Permit, Form WR-07 Version 10/02/2024

File No.: C-4949

Trn No.: 781056

4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

Exploratory*: Is proposed well a future public water supply well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> NO If Yes, an application must be filed with NMED-DWB, concurrently. <input type="checkbox"/> Include a description of any proposed pump test, if applicable.	Pollution Control and/or Recovery: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for the pollution control or recovery operation. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The annual diversion amount. <input type="checkbox"/> The annual consumptive use amount. <input type="checkbox"/> The maximum amount of water to be diverted and injected for the duration of the operation. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> The method of measurement of water produced and discharged. <input type="checkbox"/> The source of water to be injected. <input type="checkbox"/> The method of measurement of water injected. <input type="checkbox"/> The characteristics of the aquifer. <input type="checkbox"/> The method of determining the resulting annual consumptive use of water and depletion from any related stream system. <input type="checkbox"/> Proof of any permit required from the New Mexico Environment Department. <input type="checkbox"/> An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.	Construction De-Watering: <input type="checkbox"/> Include a description of the proposed dewatering operation, <input type="checkbox"/> The estimated duration of the operation, <input type="checkbox"/> The maximum amount of water to be diverted, <input type="checkbox"/> A description of the need for the dewatering operation, and, <input type="checkbox"/> A description of how the diverted water will be disposed of. Ground Source Heat Pump: <input type="checkbox"/> Include a description of the geothermal heat exchange project, <input type="checkbox"/> The number of boreholes for the completed project and required depths. <input type="checkbox"/> The time frame for constructing the geothermal heat exchange project, and, <input type="checkbox"/> The duration of the project. <input type="checkbox"/> Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.	Mine De-Watering: <input type="checkbox"/> Include a plan for Mine De-Watering, that includes the following: <input type="checkbox"/> A description of the need for mine dewatering. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The source(s) of the water to be diverted. <input type="checkbox"/> The geohydrologic characteristics of the aquifer(s). <input type="checkbox"/> The maximum amount of water to be diverted per annum. <input type="checkbox"/> The maximum amount of water to be diverted for the duration of the operation. <input type="checkbox"/> The quality of the water. <input type="checkbox"/> The method of measurement of water diverted. <input type="checkbox"/> The recharge of water to the aquifer. <input type="checkbox"/> Description of the estimated area of hydrologic effect of the project. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. <input type="checkbox"/> A description of the methods employed to estimate effects on surface water rights and underground water rights. <input type="checkbox"/> Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.
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(* if exploration or monitoring drilling activity is required by NMED, then you must also submit the NMED Work Plan)

ACKNOWLEDGEMENT

I, We (name of applicant(s)), Mr. Wade Dittrich, Ms. Kelly Lowery

Print Name(s)

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

Applicant Signature

Applicant Signature

ACTION OF THE STATE ENGINEER

This application is:

☒ approved

☐ partially approved

☐ denied

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

Witness my hand and seal this 20th day of March, 2025, for the State Engineer

Elizabeth K. Anderson, P.E.

State Engineer

By:

Signature

Water Resources Manager I

Title:

Print

Print

Kashyap Parekh



FOR OSE INTERNAL USE

Application for Permit, Form WR-07 Version 10/02/2024

File No.: C-4949

Trm No.: 781 056

Page 3 of 3

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

SPECIFIC CONDITIONS OF APPROVAL

- 17-16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.
- 17-1A Depth of the well shall not exceed the thickness of the valley fill.
- 17-4 No water shall be appropriated and beneficially used under this permit.
- 17-6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging.

Trn Desc: C 04949 POD1

File Number: C 04949

Trn Number: 781056

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

- 17-7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- 17-B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
- 17-C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record.
The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
- 17-C2 No water shall be diverted from this well except for testing purposes which shall not exceed ten (10) cumulative days, and well shall be plugged or capped on or before , unless a permit to use water from this well is acquired from the Office of the State Engineer.
- 17-G If artesian water is encountered, the well driller shall comply with all rules and regulations pertaining to the drilling and casing of artesian wells.
- 17-P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.

Trn Desc: C 04949 POD1

File Number: C 04949

Trn Number: 781056

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

- 17-Q The State Engineer retains jurisdiction over this permit.
- 17-R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.
- LOG The Point of Diversion C 04949 POD1 must be completed and the Well Log filed on or before 03/20/2026.

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

ACTION OF STATE ENGINEER

Notice of Intention Rcvd:	Date Rcvd. Corrected:
Formal Application Rcvd: 03/12/2025	Pub. of Notice Ordered:
Date Returned - Correction:	Affidavit of Pub. Filed:

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

Witness my hand and seal this 20 day of Mar A.D., 2025

Elizabeth K. Anderson, P.E., State Engineer

By: K. Parekh
KASHYAP PAREKH



Trn Desc: C 04949 POD1

File Number: C 04949
Trn Number: 781056



Stephanie Garcia Richard
COMMISSIONER

State of New Mexico
Commissioner of Public Lands

310 OLD SANTA FE TRAIL
P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

COMMISSIONER'S
OFFICE

Phone (505) 827-5760
Fax (505) 827-5766
www.nmstatelands.org

March 10, 2025

New Mexico Office of the State Engineer
District II
1900 West Second Street
Roswell, New Mexico 88201

Re: Oxy USA, Inc. Application for Borehole

To Whom it May Concern:

The State Land Office has authorized Oxy USA, Inc. to drill one borehole in the following location:

SWNE Section 02 Township 25S Range 29E; 32.162581, -103.953881

This activity is authorized under State Land Office Lease #V0-3361-0001 to determine the depth of groundwater for the remediation project associated with NMOCD incident #nAPP24278834245.

Before processing, please email me a copy of the application submitted to your office so that I can verify that the information provided to you is consistent with the activity that the State Land Office has approved.

Sincerely,

Tami Knight

Tami C. Knight, CHMM
Environmental Specialist
SRD-Environmental Compliance Office (ECO)
New Mexico State Land Office
tknight@nmslo.gov

OSE DISTRICT II
72 MAR 25 9:21Z

Corral Fly 35-26 Fed. CTB

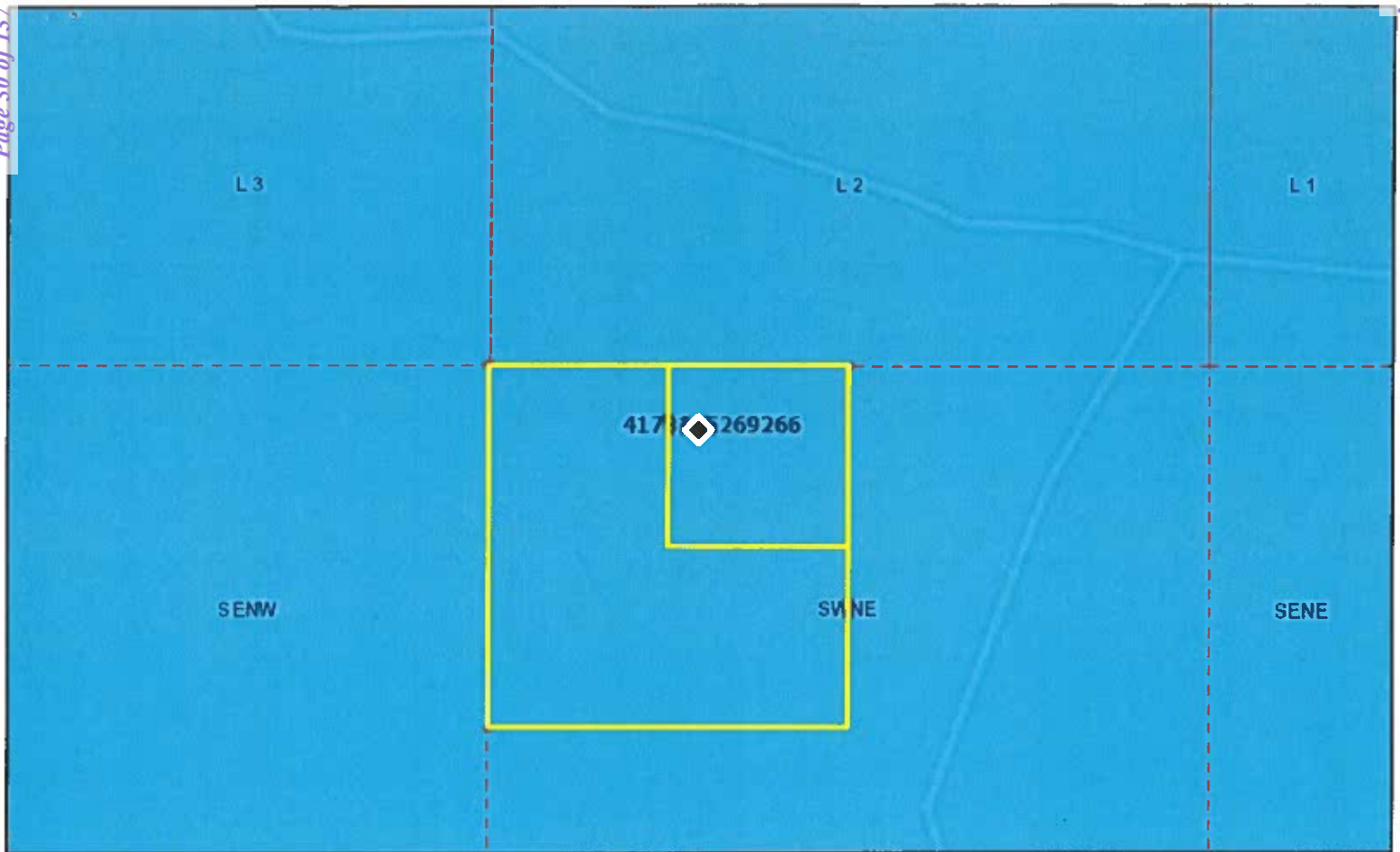
32.163677, -103.954141
Eddy County, NM
B-02-25S-29E

Legend

- ▲ Corral Fly 35-26 Fed. CTB Site (nAPP2427834245)
- SB-01 (32.162581, -103.953881)



Google Earth



Coordinates

UTM - NAD 83 (m) - Zone 13

Easting: 598640.041

Northing: 3558935.605

State Plane - NAD 83 (f) - Zone E

Easting: 658758.396

Northing: 423087.120

Degrees Minutes Seconds

Latitude: 32 : 9 : 45.291600

Longitude: -103 : 57 : 13.971600

NEW MEXICO OFFICE OF THE STATE ENGINEER

1:4,514



3/20/2025



Reasonable efforts have been made by the New Mexico Office of the State Engineer (OSE) to verify that these maps accurately interpret the source data used in their preparation; however, a degree of error is inherent in all maps, and these maps may contain omissions and errors in scale, resolution, rectification, positional accuracy, development methodology, interpretation of source data, and other circumstances. These maps are distributed "as is" without warranty of any kind.

Spatial Information

Land Grant: Not in
County: Eddy

Groundwater Basin: Carlsbad

Abstract Area:
Carlsbad 72-12-1

Regulation Area:
No Restrictions

PLSS Description
NENWSWNE Qtr of Sec 02 of 025S 029E

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

Parcel Information

UPC/DocNum: 4173145269266

Parcel Owner: State Of New Mexico

Address: W Of 1107 McDonald Road
Malaga 88263

Legal: Quarter: Ne S: 2 T: 25S R: 29E Quarter: Nw S: 2 T:
25S R: 29E Quarter: Sw S: 2 T: 25S R: 29E Quarter:
Se S: 2 T: 25S R: 29E All Exempt

POD Information

Owner:

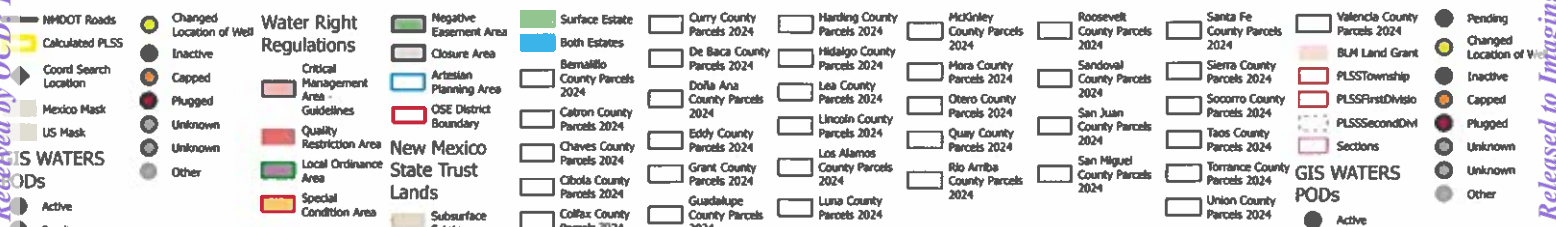
File Number:

POD Status: NoData

Permit Status: NoData

Permit Use: NoData

Purpose:



Page 31 of 137

Received by OCD: 10/30/2025 2:52:00 PM

Released to Imaging: 11/24/2025 9:18:14 AM

Elizabeth K. Anderson, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

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

Trn Nbr: 781056
File Nbr: C 04949

Mar. 20, 2025

KELLY LOWERY
ENSOLUM, LLC
601 N. MARIENFELD ST. STE 400
MIDLAND, TX 79701

Greetings:

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

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

- * If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.
- * If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.
- * The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.
- * You, the permittee, are required to email nm.driller@ose.nm.gov with the following information when the driller is enroute to the drilling site: OSE Permit number, POD number, physical address, driller company and license number, and date/time driller is to be on site.
- * This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

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

Sincerely,

A handwritten signature in cursive script, appearing to read "Vanessa Clements".

Vanessa Clements
(575) 622-6521

Enclosure

Elizabeth K. Anderson, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

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

Trn Nbr: 781056
File Nbr: C 04949

Mar. 20, 2025

WADE DITTRICH
OXY USA, INC.
P.O. BOX 4294
HOUSTON, TX 77210

Greetings:

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

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

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Sincerely,

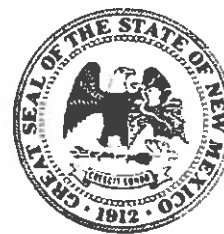
A handwritten signature in cursive script, reading "Vanessa Clements".

Vanessa Clements
(575) 622-6521

Enclosure



WELL PLUGGING PLAN OF OPERATIONS



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

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

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

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

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: C-4949-POD1
Name of well owner: Oxy USA, Inc.
Mailing address: PO BOX 4294 County: Harris
City: Houston State: Texas Zip code: 77210
Phone number: (575) 390-2828 E-mail: wade_dittrich@oxy.com

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: West Texas Water Well Service
New Mexico Well Driller License No.: WD-1184 Expiration Date: 10/31/2025

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

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

1) GPS Well Location: Latitude: 32 deg, 9 min, 45.2916 sec
Longitude: -103 deg, 57 min, 13.9716 sec, NAD 83

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

Investigation soil boring to determine groundwater level.

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

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

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

6) Depth of the well: 110 feet

- 7) Inside diameter of innermost casing: N/A inches.
- 8) Casing material: N/A
- 9) The well was constructed with:
☐ an open-hole production interval, state the open interval: _____
☐ a well screen or perforated pipe, state the screened interval(s): N/A
- 10) What annular interval surrounding the artesian casing of this well is cement-grouted? _____
- 11) Was the well built with surface casing? No If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? No If yes, please describe:

- 12) Has all pumping equipment and associated piping been removed from the well? N/A If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

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

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

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

- 1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well:
The soil boring will be plugged tremie from bottom to a slurry of Portland TYPE I/II Neat cement in lifts.
- 2) Will well head be cut-off below land surface after plugging? N/A

VI. PLUGGING AND SEALING MATERIALS:

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

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

OSE DTI ROSWELL NM
12/16/25 12:22

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

N/A

8) Additional notes and calculations:

N/A

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

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

VIII. SIGNATURE:

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

Kelly Lowery
Signature of Applicant

3/10/2025

Date

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

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

Witness my hand and official seal this 13th day of March, 2025

Elizabeth K. Anderson P.E.

_____, New Mexico State Engineer

By: *K. Parekh*
Kashyap Parekh

Water Resources Manager I

WD-08 Well Plugging Plan
Version: March 07, 2022
Page 3 of 5



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

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

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12 MAR '25 PM 2:25

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

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

OSE DIV ROSWELL, NM
12 MAR '25 PM 2:25



STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
ROSWELL

Elizabeth K. Anderson, P.E.
State Engineer

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

March 13, 2025

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


RE: Well Plugging Plan of Operations for well no. C-4949-POD1

Greetings:

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

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

Sincerely,



Kashyap Parekh
Water Resources Manager I



STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
ROSWELL

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

Applicant has identified well, listed below, to be plugged. West Texas Water Well Service (WD-1184) will perform the plugging.

Permittee: Oxy USA Inc.
 NMOSE Permit Number: C-4949-POD1

NMOSE File	Casing diameter (inches)	Well depth (feet bgl)	Approximate static water level (feet bgl)	Latitude	Longitude
C-4949-POD1	6.0	110.0	Unknown	32° 9' 45.2916"	103° 57' 13.971"

Specific Plugging Conditions of Approval for Well located in Eddy County.

1. Water well drilling and well drilling activities, including well plugging, are regulated under 19.27.4 NMAC, which requires any person engaged in the business of well drilling within New Mexico to obtain a Well Driller License issued by the New Mexico Office of the State Engineer (NMOSE). Therefore, the firm of a New Mexico licensed Well Driller shall perform the well plugging.

2. Ground Water encountered: The total Theoretical volume of sealant required for abandonment of soil boring well is approximately 160.90 gallons. Total minimum volume of necessary sealant shall be calculated upon sounding the actual pluggable depth of well, which is estimated at 101.0 feet.

3. Dry Hole: The total Theoretical volume of sealant required for abandonment of soil boring well is approximately 14.68 gallons. Total minimum volume of necessary sealant shall be calculated upon sounding the actual pluggable depth of well, which is estimated at 10 feet.

4. Ground Water encountered: Type I/II Portland cement mixed with 5.2 to 6.0 gallons of fresh water per 94-lb sack of cement is approved for the plugging the well.

5. Dry Hole: (a) Drill cuttings up to ten feet of land surface. (b) 10 feet to 0 feet – Hydrated bentonite. The bentonite shall be hydrated separately with its required increments of water prior to being mixed into the cement slurry.

6. Sealant shall be placed by pumping through a tremie pipe extended to near well bottom and kept below top of the slurry column as the well is plugged from bottom-upwards in a manner that displaces

the standing water column upwards from below. Tremie pipe may be pulled as necessary to retain minimal submergence in the advancing column of sealant.

7. Should cement "shrinks-back" occur in the well, use of a tremie for topping off is required for cement placement deeper than 20 feet below land surface or if water is present in the casing. The approved sealant for topping off is identified in condition 4. and 5. of these Specific Conditions of Approval.

8. Any open annulus encountered surrounding the casing shall also be sealed by the placement of the approved sealant. When plugging shallow wells with no construction or environmental concerns, and if the well record on a well to be plugged shows a proper 20-foot annular seal, a plugging plan can propose the use of clean fill material to a nominal 30 feet bgs, then placing an OSE approved sealant to surface. Lacking that information, we would require an excavation of at least 2-feet which shall then be filled in its entirety with sealant to surface.

9. Should the NMED, or another regulatory agency sharing jurisdiction of the project authorize, or by regulation require a more stringent well plugging procedure than herein acknowledged, the more-stringent procedure should be followed. This, in part, includes provisions regarding pre-authorization to proceed, contaminant remediation, inspection, pulling/perforating of casing, or prohibition of free discharge of any fluid from the borehole during or related to the plugging process.

10. NMOSE witnessing of the plugging of the soil boring will not be required.

11. Any deviation from this plan must obtain an approved variance from this office prior to implementation.

12. A Well Plugging Record itemizing actual abandonment process and materials used shall be filed with the State Engineer within 30 days after completion of well plugging. For the plugging record, please resurvey coordinate location for well and note coordinate system for GPS unit. Please attach a copy of these plugging conditions.

The NMOSE Well Plugging Plan of Operations is hereby approved with the aforesaid conditions applied.

Witness my hand and seal this 13th day of March 2025

Elizabeth K. Anderson, P.E. State Engineer

By: K. Parekh

Kashyap Parekh
Water Resources Manager I



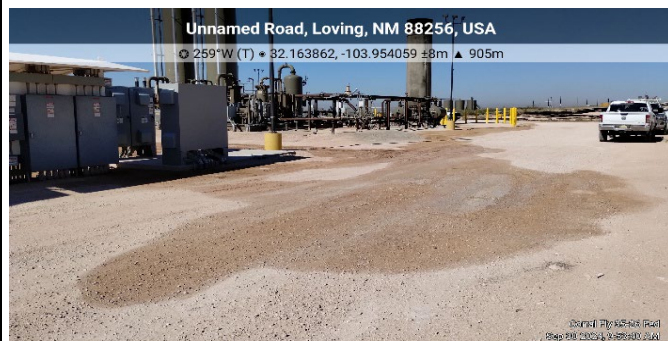


APPENDIX B

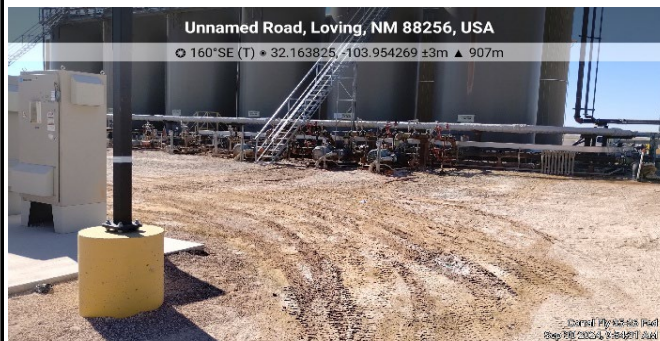
Photographic Log



Photographic Log
 Oxy USA, Inc
 Corral Fly 35-26 Fed. CTB
 nAPP2427834245



Photograph: 1 Date: 9/30/2024
 Description: Soil staining in release footprint
 View: West



Photograph: 2 Date: 9/30/2024
 Description: Soil staining in release footprint
 View: Southeast



Photograph: 3 Date: 9/30/2024
 Description: Soil staining in release footprint
 View: South



Photograph: 4 Date: 9/30/2024
 Description: Soil staining in release footprint
 View: West

**Photographic Log**

Oxy USA, Inc
Corral Fly 35-26 Fed. CTB
nAPP2427834245



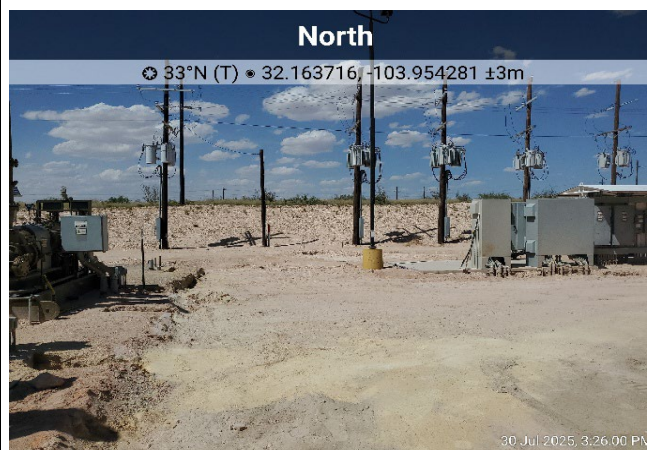
Photograph: 5 Date: 7/17/2025
Description: Excavation Activities
View: Northwest



Photograph: 6 Date: 7/17/2025
Description: Excavation Activities
View: East



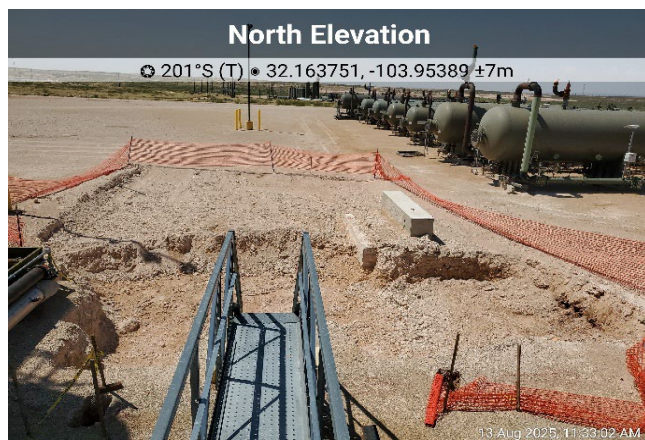
Photograph: 7 Date: 7/30/2025
Description: Excavation Activities
View: West



Photograph: 8 Date: 7/30/2025
Description: Excavation Activities
View: North

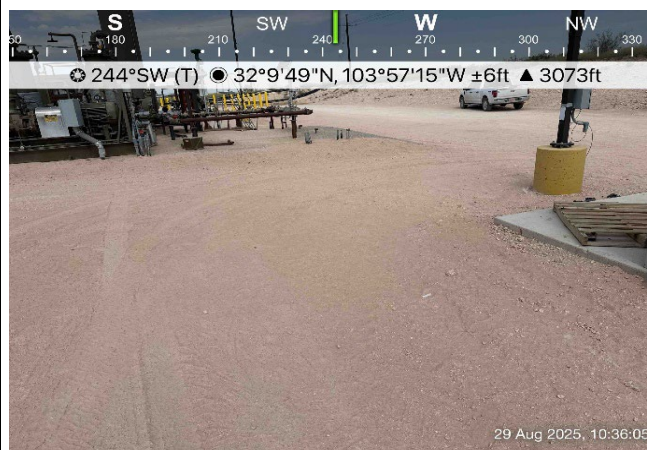
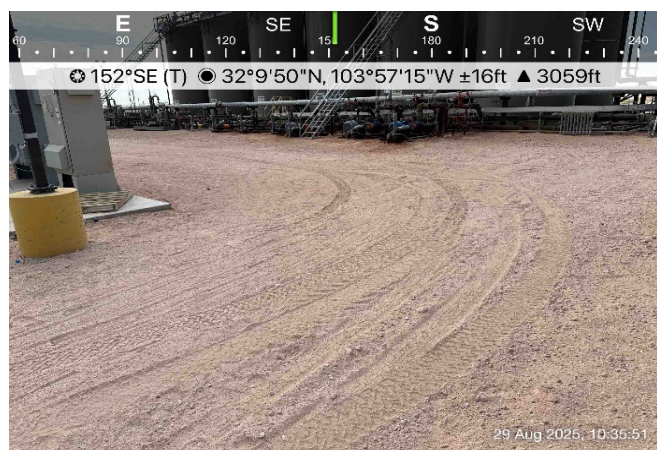


Photographic Log
 Oxy USA, Inc
 Corral Fly 35-26 Fed. CTB
 nAPP2427834245



Photograph: 9 Date: 8/13/2025
 Description: Excavation Activities
 View: South

Photograph: 10 Date: 8/13/2025
 Description: Excavation Extent
 View: North



Photograph: 11 Date: 8/29/2025
 Description: Backfilled Extent
 View: Southeast

Photograph: 12 Date: 8/29/2025
 Description: Backfilled Extent
 View: Southwest



Photographic Log
 Oxy USA, Inc
 Corral Fly 35-26 Fed. CTB
 nAPP2427834245



Photograph: 13 Date: 8/29/2025
 Description: Backfilled Extent
 View: Southwest



Photograph: 14 Date: 8/29/2025
 Description: Backfilled Extent
 View: Northwest



Photograph: 15 Date: 8/29/2025
 Description: Backfilled Extent
 View: West



Photograph: 16 Date: 8/29/2025
 Description: Backfilled Extent
 View: East



APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



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

July 21, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: CORRAL FLY 35 -26 FED CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/15/25 16:18.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	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' at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/15/2025
 Reported: 07/21/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/15/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 01 1 (H254209-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2025	ND	2.06	103	2.00	1.56	
Toluene*	<0.050	0.050	07/17/2025	ND	2.10	105	2.00	1.56	
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	1.73	
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.04	101	6.00	1.74	
Total BTX	<0.300	0.300	07/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/16/2025	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2025	ND	194	96.8	200	0.132	
DRO >C10-C28*	<10.0	10.0	07/17/2025	ND	208	104	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	07/17/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/15/2025
 Reported: 07/21/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/15/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 02 1 (H254209-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.06	103	2.00	1.56		
Toluene*	<0.050	0.050	07/17/2025	ND	2.10	105	2.00	1.56		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	1.73		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.04	101	6.00	1.74		
Total BTEx	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/16/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2025	ND	194	96.8	200	0.132	
DRO >C10-C28*	13.1	10.0	07/16/2025	ND	208	104	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 122 % 44.4-145

Surrogate: 1-Chlorooctadecane 122 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/15/2025
 Reported: 07/21/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/15/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 03 1 (H254209-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.06	103	2.00	1.56		
Toluene*	<0.050	0.050	07/17/2025	ND	2.10	105	2.00	1.56		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	1.73		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.04	101	6.00	1.74		
Total BTX	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/16/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2025	ND	194	96.8	200	0.132	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	208	104	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 113 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/15/2025
 Reported: 07/21/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/15/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 04 0.5 (H254209-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.06	103	2.00	1.56		
Toluene*	<0.050	0.050	07/17/2025	ND	2.10	105	2.00	1.56		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	1.73		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.04	101	6.00	1.74		
Total BTEX	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/16/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2025	ND	194	96.8	200	0.132	
DRO >C10-C28*	23.7	10.0	07/16/2025	ND	208	104	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/15/2025
 Reported: 07/21/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/15/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 05 0.5 (H254209-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.06	103	2.00	1.56		
Toluene*	<0.050	0.050	07/17/2025	ND	2.10	105	2.00	1.56		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	1.73		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.04	101	6.00	1.74		
Total BTEX	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/16/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2025	ND	194	96.8	200	0.132	
DRO >C10-C28*	30.2	10.0	07/16/2025	ND	208	104	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 113 % 44.4-145

Surrogate: 1-Chlorooctadecane 115 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/15/2025
 Reported: 07/21/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/15/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 01 1 (H254209-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/17/2025	ND	2.06	103	2.00	1.56		
Toluene*	<0.050	0.050	07/17/2025	ND	2.10	105	2.00	1.56		
Ethylbenzene*	<0.050	0.050	07/17/2025	ND	2.05	103	2.00	1.73		
Total Xylenes*	<0.150	0.150	07/17/2025	ND	6.04	101	6.00	1.74		
Total BTEx	<0.300	0.300	07/17/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/16/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2025	ND	194	96.8	200	0.132	
DRO >C10-C28*	29.1	10.0	07/16/2025	ND	208	104	200	1.09	
EXT DRO >C28-C36	10.7	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

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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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

Page 9 of 9



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

July 23, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: CORRAL FLY 35 -26 FED CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/17/25 16:14.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 07/17/2025
 Reported: 07/23/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 08 1' (H254322-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2025	ND	1.99	99.6	2.00	1.54	
Toluene*	<0.050	0.050	07/20/2025	ND	2.08	104	2.00	0.432	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	1.71	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.56	109	6.00	1.42	
Total BTEx	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/21/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2025	ND	201	101	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	216	108	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane 89.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/17/2025
 Reported: 07/23/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 09 1' (H254322-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2025	ND	2.01	100	2.00	2.64		
Toluene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	3.20		
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.17	108	2.00	3.38		
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.75	113	6.00	3.15		
Total BTX	<0.300	0.300	07/20/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/21/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2025	ND	201	101	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	216	108	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane 68.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/17/2025
 Reported: 07/23/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 10 1' (H254322-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2025	ND	2.01	100	2.00	2.64		
Toluene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	3.20		
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.17	108	2.00	3.38		
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.75	113	6.00	3.15		
Total BTEX	<0.300	0.300	07/20/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/21/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2025	ND	201	101	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	216	108	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane 77.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/17/2025
 Reported: 07/23/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 11 1' (H254322-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2025	ND	2.01	100	2.00	2.64		
Toluene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	3.20		
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.17	108	2.00	3.38		
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.75	113	6.00	3.15		
Total BTEx	<0.300	0.300	07/20/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/21/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2025	ND	201	101	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/20/2025	ND	216	108	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	07/20/2025	ND					

Surrogate: 1-Chlorooctane 72.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/17/2025
 Reported: 07/23/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 12 2' (H254322-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2025	ND	2.01	100	2.00	2.64		
Toluene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	3.20		
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.17	108	2.00	3.38		
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.75	113	6.00	3.15		
Total BTEX	<0.300	0.300	07/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 133 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/21/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2025	ND	201	101	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/20/2025	ND	216	108	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	07/20/2025	ND					

Surrogate: 1-Chlorooctane 68.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/17/2025
 Reported: 07/23/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 13 2' (H254322-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2025	ND	2.01	100	2.00	2.64		
Toluene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	3.20		
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.17	108	2.00	3.38		
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.75	113	6.00	3.15		
Total BTEX	<0.300	0.300	07/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/21/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2025	ND	201	101	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/20/2025	ND	216	108	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	07/20/2025	ND					

Surrogate: 1-Chlorooctane 67.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/17/2025
 Reported: 07/23/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 14 1' (H254322-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2025	ND	2.01	100	2.00	2.64		
Toluene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	3.20		
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.17	108	2.00	3.38		
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.75	113	6.00	3.15		
Total BTX	<0.300	0.300	07/20/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/21/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2025	ND	201	101	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/20/2025	ND	216	108	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	07/20/2025	ND					

Surrogate: 1-Chlorooctane 68.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/17/2025
 Reported: 07/23/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 15 1' (H254322-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2025	ND	2.01	100	2.00	2.64		
Toluene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	3.20		
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.17	108	2.00	3.38		
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.75	113	6.00	3.15		
Total BTEx	<0.300	0.300	07/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/21/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2025	ND	201	101	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/20/2025	ND	216	108	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	07/20/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/17/2025
 Reported: 07/23/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 16 2' (H254322-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2025	ND	2.01	100	2.00	2.64		
Toluene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	3.20		
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.17	108	2.00	3.38		
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.75	113	6.00	3.15		
Total BTEx	<0.300	0.300	07/20/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/21/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2025	ND	201	101	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/20/2025	ND	216	108	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	07/20/2025	ND					

Surrogate: 1-Chlorooctane 77.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/17/2025
 Reported: 07/23/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 17 2' (H254322-10)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2025	ND	2.01	100	2.00	2.64	
Toluene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	3.20	
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.17	108	2.00	3.38	
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.75	113	6.00	3.15	GC-NC
Total BTX	<0.300	0.300	07/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/21/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2025	ND	201	101	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/20/2025	ND	216	108	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	07/20/2025	ND					

Surrogate: 1-Chlorooctane 78.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/17/2025
 Reported: 07/23/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 18 1' (H254322-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2025	ND	2.01	100	2.00	2.64		
Toluene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	3.20		
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.17	108	2.00	3.38		
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.75	113	6.00	3.15		
Total BTEx	<0.300	0.300	07/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	07/21/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2025	ND	201	101	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/20/2025	ND	216	108	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	07/20/2025	ND					

Surrogate: 1-Chlorooctane 83.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/17/2025
 Reported: 07/23/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 19 1' (H254322-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2025	ND	2.01	100	2.00	2.64		
Toluene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	3.20		
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.17	108	2.00	3.38		
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.75	113	6.00	3.15		
Total BTEx	<0.300	0.300	07/20/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/21/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2025	ND	213	107	200	2.35	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	197	98.6	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane 81.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/17/2025
 Reported: 07/23/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 20 1' (H254322-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2025	ND	2.01	100	2.00	2.64		
Toluene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	3.20		
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.17	108	2.00	3.38		
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.75	113	6.00	3.15		
Total BTEX	<0.300	0.300	07/20/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/21/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2025	ND	213	107	200	2.35	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	197	98.6	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane 73.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/17/2025
 Reported: 07/23/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 21 1' (H254322-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2025	ND	2.01	100	2.00	2.64		
Toluene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	3.20		
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.17	108	2.00	3.38		
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.75	113	6.00	3.15		
Total BTEx	<0.300	0.300	07/20/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/21/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2025	ND	213	107	200	2.35	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	197	98.6	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane 68.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/17/2025
 Reported: 07/23/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 22 1' (H254322-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2025	ND	2.01	100	2.00	2.64		
Toluene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	3.20		
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.17	108	2.00	3.38		
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.75	113	6.00	3.15		
Total BTEX	<0.300	0.300	07/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/21/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2025	ND	213	107	200	2.35	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	197	98.6	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane 83.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/17/2025
 Reported: 07/23/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 23 1' (H254322-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2025	ND	2.01	100	2.00	2.64		
Toluene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	3.20		
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.17	108	2.00	3.38		
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.75	113	6.00	3.15		
Total BTEX	<0.300	0.300	07/20/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/21/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2025	ND	213	107	200	2.35	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	197	98.6	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane 69.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/17/2025
 Reported: 07/23/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FS 24 1' (H254322-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2025	ND	2.01	100	2.00	2.64		
Toluene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	3.20		
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.17	108	2.00	3.38		
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.75	113	6.00	3.15		
Total BTEX	<0.300	0.300	07/20/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/21/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2025	ND	213	107	200	2.35	
DRO >C10-C28*	<10.0	10.0	07/19/2025	ND	197	98.6	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane 88.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/17/2025
 Reported: 07/23/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 07/17/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW 03 1' (H254322-18)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2025	ND	2.01	100	2.00	2.64		
Toluene*	<0.050	0.050	07/20/2025	ND	2.11	106	2.00	3.20		
Ethylbenzene*	<0.050	0.050	07/20/2025	ND	2.17	108	2.00	3.38		
Total Xylenes*	<0.150	0.150	07/20/2025	ND	6.75	113	6.00	3.15		
Total BTEX	<0.300	0.300	07/20/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/21/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2025	ND	213	107	200	2.35	
DRO >C10-C28*	15.9	10.0	07/19/2025	ND	197	98.6	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	07/19/2025	ND					

Surrogate: 1-Chlorooctane 80.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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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

2501

[illegible]



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 2

Company Name: ENSOLVM LLC Project Manager: KELLY LOWERY Address: 601 N MARVIEWFIELD ST #400 City: MIDLAND Phone #: 214 733 3145 Fax #: Project #: 0361417230 Project Owner: Project Name: 01061 F14 35-26 Fed CTR Project Location: EADY COUNTY, NM Sample Name: KARN SHIMADA AND JUDEN ENIGES		BILL TO P.O. #: 4502319829 Company: DRY USA INC Attn: DANIEL SPARKS Address: City: State: Zip: Phone #: Fax #:	
FOR LAB USE ONLY		ANALYSIS REQUEST	
Lab I.D. H054/302	Sample I.D. Depth	MATRIX (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	PRESERV. DATE TIME
11 12 13 14 15 16 17 18	FS19 FS20 FS21 FS22 FS23 FS24 SW03	X X X X X X X	11:04 11:07 11:09 11:11 11:13 11:16 11:18 13:21
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Relinquished By: [Signature]	Date: 02/17/25 Time: 10:14 Date: 02/17/25 Time: 10:14	Received By: [Signature]	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: KLOWERY@ENSOLVM.COM
Delivered By: (Circle One) Sample - UPS - Bus - Other:	Observed Temp. °C 4.1 Corrected Temp. °C 4.1	Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	Turnaround Time: Thermometer ID #140 Correction Factor +0.3°C Standard <input type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Sample Condition Observed Temp. °C Corrected Temp. °C

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

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

July 28, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: CORRAL FLY 35 -26 FED CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/21/25 12:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at

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

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:ENSOLUM, LLC
705 W WADLEY AVE.
MIDLAND TX, 79705Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:Reported:
28-Jul-25 16:28

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS 06 1	H254362-01	Soil	16-Jul-25 12:07	21-Jul-25 12:35
FS 07 1	H254362-02	Soil	16-Jul-25 12:08	21-Jul-25 12:35
SW 02 0-1	H254362-03	Soil	17-Jul-25 14:43	21-Jul-25 12:35

07/28/25 - Client changed the sample ID on -03 (see COC). This is the revised report and will replace the one sent on 07/25/25.

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A handwritten signature in cursive script, appearing to read "Coley D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
28-Jul-25 16:28

FS 06 1
H254362-01 (Soil)

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

Chloride	1570		16.0	mg/kg	4	5072264	AC	22-Jul-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5072148	JH	23-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5072148	JH	23-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5072148	JH	23-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5072148	JH	23-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5072148	JH	23-Jul-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134 5072148 JH 23-Jul-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5072136	MS	23-Jul-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5072136	MS	23-Jul-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5072136	MS	23-Jul-25	8015B	

Surrogate: 1-Chlorooctane 99.4 % 44.4-145 5072136 MS 23-Jul-25 8015B

Surrogate: 1-Chlorooctadecane 101 % 40.6-153 5072136 MS 23-Jul-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
28-Jul-25 16:28

FS 07 1
H254362-02 (Soil)

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

Chloride	912		16.0	mg/kg	4	5072260	AC	22-Jul-25	4500-Cl-B	QM-07
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	5072148	JH	23-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5072148	JH	23-Jul-25	8021B	GC-NC
Ethylbenzene*	<0.050		0.050	mg/kg	50	5072148	JH	23-Jul-25	8021B	GC-NC
Total Xylenes*	0.829		0.150	mg/kg	50	5072148	JH	23-Jul-25	8021B	GC-NC1
Total BTEX	0.829		0.300	mg/kg	50	5072148	JH	23-Jul-25	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 142 % 71.5-134 5072148 JH 23-Jul-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	60.0		10.0	mg/kg	1	5072136	MS	23-Jul-25	8015B	
DRO >C10-C28*	955		10.0	mg/kg	1	5072136	MS	23-Jul-25	8015B	
EXT DRO >C28-C36	91.1		10.0	mg/kg	1	5072136	MS	23-Jul-25	8015B	

Surrogate: 1-Chlorooctane 112 % 44.4-145 5072136 MS 23-Jul-25 8015B

Surrogate: 1-Chlorooctadecane 123 % 40.6-153 5072136 MS 23-Jul-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
28-Jul-25 16:28

SW 02 0-1
H254362-03 (Soil)

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

Chloride	416		16.0	mg/kg	4	5072260	AC	22-Jul-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5072148	JH	23-Jul-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5072148	JH	23-Jul-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5072148	JH	23-Jul-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5072148	JH	23-Jul-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5072148	JH	23-Jul-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134 5072148 JH 23-Jul-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5072136	MS	23-Jul-25	8015B	
DRO >C10-C28*	28.3		10.0	mg/kg	1	5072136	MS	23-Jul-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5072136	MS	23-Jul-25	8015B	

Surrogate: 1-Chlorooctane 103 % 44.4-145 5072136 MS 23-Jul-25 8015B

Surrogate: 1-Chlorooctadecane 107 % 40.6-153 5072136 MS 23-Jul-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
28-Jul-25 16:28

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5072260 - 1:4 DI Water**Blank (5072260-BLK1)**

Prepared & Analyzed: 22-Jul-25

Chloride	ND	16.0	mg/kg							
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LCS (5072260-BS1)

Prepared & Analyzed: 22-Jul-25

Chloride	480	16.0	mg/kg	400	120	80-120				
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LCS Dup (5072260-BSD1)

Prepared & Analyzed: 22-Jul-25

Chloride	480	16.0	mg/kg	400	120	80-120	0.00	20		
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Batch 5072264 - 1:4 DI Water**Blank (5072264-BLK1)**

Prepared & Analyzed: 22-Jul-25

Chloride	ND	16.0	mg/kg							
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LCS (5072264-BS1)

Prepared & Analyzed: 22-Jul-25

Chloride	464	16.0	mg/kg	400	116	80-120				
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LCS Dup (5072264-BSD1)

Prepared & Analyzed: 22-Jul-25

Chloride	480	16.0	mg/kg	400	120	80-120	3.39	20		
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
28-Jul-25 16:28

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5072148 - Volatiles**Blank (5072148-BLK1)**

Prepared: 21-Jul-25 Analyzed: 23-Jul-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0557		mg/kg	0.0500		111	71.5-134			

LCS (5072148-BS1)

Prepared: 21-Jul-25 Analyzed: 23-Jul-25

Benzene	2.05	0.050	mg/kg	2.00		102	76.3-129			
Toluene	2.05	0.050	mg/kg	2.00		103	84.1-129			
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	80.1-133			
m,p-Xylene	4.12	0.100	mg/kg	4.00		103	81.4-134			
o-Xylene	2.03	0.050	mg/kg	2.00		102	81.4-133			
Total Xylenes	6.16	0.150	mg/kg	6.00		103	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500		99.0	71.5-134			

LCS Dup (5072148-BS1)

Prepared: 21-Jul-25 Analyzed: 23-Jul-25

Benzene	1.98	0.050	mg/kg	2.00		98.8	76.3-129	3.46	15.8	
Toluene	1.98	0.050	mg/kg	2.00		99.0	84.1-129	3.59	15.9	
Ethylbenzene	2.00	0.050	mg/kg	2.00		100	80.1-133	3.11	16	
m,p-Xylene	4.00	0.100	mg/kg	4.00		100	81.4-134	3.02	16.2	
o-Xylene	1.97	0.050	mg/kg	2.00		98.7	81.4-133	2.88	16.7	
Total Xylenes	5.98	0.150	mg/kg	6.00		99.6	81.5-134	2.97	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0500		mg/kg	0.0500		100	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
28-Jul-25 16:28

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 5072136 - General Prep - Organics**Blank (5072136-BLK1)**

Prepared: 21-Jul-25 Analyzed: 23-Jul-25

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	47.2		mg/kg	50.0		94.5	44.4-145		
Surrogate: 1-Chlorooctadecane	48.8		mg/kg	50.0		97.5	40.6-153		

LCS (5072136-BS1)

Prepared: 21-Jul-25 Analyzed: 23-Jul-25

GRO C6-C10	214	10.0	mg/kg	200		107	81.5-123		
DRO >C10-C28	201	10.0	mg/kg	200		100	77.7-122		
Total TPH C6-C28	415	10.0	mg/kg	400		104	80.9-121		
Surrogate: 1-Chlorooctane	55.9		mg/kg	50.0		112	44.4-145		
Surrogate: 1-Chlorooctadecane	59.0		mg/kg	50.0		118	40.6-153		

LCS Dup (5072136-BSD1)

Prepared: 21-Jul-25 Analyzed: 23-Jul-25

GRO C6-C10	216	10.0	mg/kg	200		108	81.5-123	0.866	13
DRO >C10-C28	204	10.0	mg/kg	200		102	77.7-122	1.69	15.6
Total TPH C6-C28	420	10.0	mg/kg	400		105	80.9-121	1.27	18.5
Surrogate: 1-Chlorooctane	56.7		mg/kg	50.0		113	44.4-145		
Surrogate: 1-Chlorooctadecane	60.0		mg/kg	50.0		120	40.6-153		

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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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC

Project Manager: Kelly Lowery

Address: 601 N. Mainfield St. STE 400

City: Midland **State:** TX **Zip:** 79701

Phone #: 214-733-3165 **Email:** klowery@ensolum.com

Project #: 03B1417230 **Project Owner:**

Project Name: Corral Fly 35-26 Fed. CTB

Project Location: 32.163677, -103.954141

Sampler Name: Keoru Shimada, Jaden Engels

P.O. #: 4502719829

Company: OXY USA, Inc.

Attn: Daniel Sparks

Address:

City:

State: **Zip:**

Phone #:

Email:

BILL TO

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	Sample Depth (in)	(G)RAB OR (C)COMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	BTEX 8021 B	TPH 8015 M	Chlorides 4500	TDS	
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:							ACID/BASE:
HS4368																	
1	FS06	1	C	1	X												
2	FS07	1	C	1	X												
3	SW08*	0-1	C	1	X												
<div style="font-size: 48px; opacity: 0.5;"> [Handwritten signature/initials across the table] </div>																	

Relinquished By: [Signature] **Date:** 7/21/25 **Received By:** [Signature] **Date:** 7/23/25

Relinquished By: [Signature] **Date:** [] **Received By:** [Signature] **Date:** []

Delivered By: (Circle One) **Observed Temp. °C:** 8.15 **Corrected Temp. °C:** 8.4

Sampler - UPS - Bus - Other: ☐ UPS ☐ Bus ☐ Other

Sample Condition: ☒ Cool ☐ Intact ☐ Yes ☐ No

CHECKED BY: [Signature] **(Initials)**

REMARKS: Paykey/AFF/NonAFF: *Customer requested sample ID ch

Verbal Result: ☐ Yes ☒ No **Addt Phone #:**

All Results are emailed. Please provide Email address: klowery@ensolum.com, kshimada@ensolum.com

Thermometer ID: 1113 **Thermometer ID:** 1114 **Correction Factor:** -0.3°C

Standard: ☒ Standard ☐ Bacteria (only) **Sample Condition:** ☐ Yes ☐ No

Observed Temp. °C: 8.15 **Corrected Temp. °C:** 7.85



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

August 07, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: CORRAL FLY 35 -26 FED CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/31/25 13:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at

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

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

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

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

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

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

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
07-Aug-25 15:27

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW 03 0-4'	H254650-01	Soil	30-Jul-25 13:59	31-Jul-25 13:40
SW 04 0-1'	H254650-02	Soil	30-Jul-25 13:22	31-Jul-25 13:40
SW 05 0-1'	H254650-03	Soil	30-Jul-25 13:24	31-Jul-25 13:40
SW 06 0-1'	H254650-04	Soil	30-Jul-25 13:25	31-Jul-25 13:40
FS 07 4'	H254650-05	Soil	30-Jul-25 13:58	31-Jul-25 13:40
FS 25 1'	H254650-06	Soil	30-Jul-25 13:34	31-Jul-25 13:40
FS 26 1'	H254650-07	Soil	30-Jul-25 13:35	31-Jul-25 13:40
FS 27 1'	H254650-08	Soil	30-Jul-25 13:37	31-Jul-25 13:40
FS 28 1'	H254650-09	Soil	30-Jul-25 13:38	31-Jul-25 13:40
FS 29 1'	H254650-10	Soil	30-Jul-25 13:39	31-Jul-25 13:40
FS 30 1'	H254650-11	Soil	30-Jul-25 13:40	31-Jul-25 13:40
FS 31 1'	H254650-12	Soil	30-Jul-25 13:42	31-Jul-25 13:40
FS 32 1'	H254650-13	Soil	30-Jul-25 13:43	31-Jul-25 13:40
FS 33 1'	H254650-14	Soil	30-Jul-25 13:30	31-Jul-25 13:40
FS 34 1'	H254650-15	Soil	30-Jul-25 13:31	31-Jul-25 13:40

08/07/25 - Client changed the sample depths (see COC). This is the revised report and will replace the one sent on 08/05/25.

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
07-Aug-25 15:27

SW 03 0-4'
H254650-01 (Soil)

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

Chloride	1180		16.0	mg/kg	4	5080123	AC	01-Aug-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5073124	JH	01-Aug-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134 5073124 JH 01-Aug-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
DRO >C10-C28*	14.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	

Surrogate: 1-Chlorooctane 82.8 % 44.4-145 5073131 MS 01-Aug-25 8015B

Surrogate: 1-Chlorooctadecane 84.7 % 40.6-153 5073131 MS 01-Aug-25 8015B

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
07-Aug-25 15:27

SW 04 0-1'
H254650-02 (Soil)

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

Chloride	288		16.0	mg/kg	4	5080123	AC	01-Aug-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	71.5-134		5073124	JH	01-Aug-25	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
Surrogate: 1-Chlorooctane			78.5 %	44.4-145		5073131	MS	01-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			82.8 %	40.6-153		5073131	MS	01-Aug-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
07-Aug-25 15:27

SW 05 0-1'
H254650-03 (Soil)

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

Chloride	32.0		16.0	mg/kg	4	5080123	AC	01-Aug-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			101 %	71.5-134		5073124	JH	01-Aug-25	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
Surrogate: 1-Chlorooctane			73.3 %	44.4-145		5073131	MS	01-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			72.4 %	40.6-153		5073131	MS	01-Aug-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
07-Aug-25 15:27

SW 06 0-1'
H254650-04 (Soil)

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

Chloride	16.0		16.0	mg/kg	4	5080123	AC	01-Aug-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			101 %	71.5-134		5073124	JH	01-Aug-25	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
Surrogate: 1-Chlorooctane			83.3 %	44.4-145		5073131	MS	01-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane			82.7 %	40.6-153		5073131	MS	01-Aug-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
07-Aug-25 15:27

FS 07 4'
H254650-05 (Soil)

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

Chloride	1420		16.0	mg/kg	4	5080123	AC	01-Aug-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		102 %		71.5-134	5073124	JH	01-Aug-25	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
Surrogate: 1-Chlorooctane		83.7 %		44.4-145	5073131	MS	01-Aug-25	8015B	
Surrogate: 1-Chlorooctadecane		83.6 %		40.6-153	5073131	MS	01-Aug-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
07-Aug-25 15:27

FS 25 1'
H254650-06 (Soil)

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

Chloride	2200		16.0	mg/kg	4	5080123	AC	01-Aug-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5073124	JH	01-Aug-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		5073124	JH	01-Aug-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
DRO >C10-C28*	320		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
EXT DRO >C28-C36	71.2		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	

Surrogate: 1-Chlorooctane			88.6 %	44.4-145		5073131	MS	01-Aug-25	8015B	
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Surrogate: 1-Chlorooctadecane			95.1 %	40.6-153		5073131	MS	01-Aug-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
07-Aug-25 15:27

FS 26 1'
H254650-07 (Soil)

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

Chloride	4360		16.0	mg/kg	4	5080123	AC	01-Aug-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5073124	JH	01-Aug-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	101 %	71.5-134	5073124	JH	01-Aug-25	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B

Surrogate: 1-Chlorooctane	86.0 %	44.4-145	5073131	MS	01-Aug-25	8015B
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Surrogate: 1-Chlorooctadecane	86.1 %	40.6-153	5073131	MS	01-Aug-25	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
07-Aug-25 15:27

FS 27 1'
H254650-08 (Soil)

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

Chloride	896		16.0	mg/kg	4	5080123	AC	01-Aug-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5073124	JH	01-Aug-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %	71.5-134		5073124	JH	01-Aug-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
DRO >C10-C28*	685		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
EXT DRO >C28-C36	128		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	

Surrogate: 1-Chlorooctane			82.6 %	44.4-145		5073131	MS	01-Aug-25	8015B	
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Surrogate: 1-Chlorooctadecane			93.9 %	40.6-153		5073131	MS	01-Aug-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
07-Aug-25 15:27

FS 28 1'
H254650-09 (Soil)

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

Chloride	2720		16.0	mg/kg	4	5080123	AC	01-Aug-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5073124	JH	01-Aug-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	71.5-134		5073124	JH	01-Aug-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.7 %	44.4-145		5073131	MS	01-Aug-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			83.5 %	40.6-153		5073131	MS	01-Aug-25	8015B	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
07-Aug-25 15:27

FS 29 1'
H254650-10 (Soil)

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

Chloride	2720		16.0	mg/kg	4	5080127	KH	01-Aug-25	4500-Cl-B	QM-07
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5073124	JH	01-Aug-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134 5073124 JH 01-Aug-25 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	

Surrogate: 1-Chlorooctane 81.7 % 44.4-145 5073131 MS 01-Aug-25 8015B

Surrogate: 1-Chlorooctadecane 81.9 % 40.6-153 5073131 MS 01-Aug-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
07-Aug-25 15:27

FS 30 1'
H254650-11 (Soil)

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

Chloride	6000		16.0	mg/kg	4	5080127	KH	01-Aug-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5073124	JH	01-Aug-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	71.5-134		5073124	JH	01-Aug-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			77.7 %	44.4-145		5073131	MS	01-Aug-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			76.0 %	40.6-153		5073131	MS	01-Aug-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
07-Aug-25 15:27

FS 31 1'
H254650-12 (Soil)

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

Chloride	24800		16.0	mg/kg	4	5080127	KH	01-Aug-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5073124	JH	01-Aug-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %		71.5-134	5073124	JH	01-Aug-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
DRO >C10-C28*	42.2		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	

Surrogate: 1-Chlorooctane			65.9 %		44.4-145	5073131	MS	01-Aug-25	8015B	
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Surrogate: 1-Chlorooctadecane			66.7 %		40.6-153	5073131	MS	01-Aug-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
07-Aug-25 15:27

FS 32 1'
H254650-13 (Soil)

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

Chloride	4000		16.0	mg/kg	4	5080127	KH	01-Aug-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5073124	JH	01-Aug-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	71.5-134		5073124	JH	01-Aug-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			81.5 %	44.4-145		5073131	MS	01-Aug-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			81.7 %	40.6-153		5073131	MS	01-Aug-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
07-Aug-25 15:27

FS 33 1'
H254650-14 (Soil)

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

Chloride	3800		16.0	mg/kg	4	5080127	KH	01-Aug-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5073124	JH	01-Aug-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	103 %	71.5-134	5073124	JH	01-Aug-25	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B

Surrogate: 1-Chlorooctane	82.8 %	44.4-145	5073131	MS	01-Aug-25	8015B
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Surrogate: 1-Chlorooctadecane	82.2 %	40.6-153	5073131	MS	01-Aug-25	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
07-Aug-25 15:27

FS 34 1'
H254650-15 (Soil)

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

Chloride	1660		16.0	mg/kg	4	5080127	KH	01-Aug-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5073124	JH	01-Aug-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5073124	JH	01-Aug-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	71.5-134		5073124	JH	01-Aug-25	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5073131	MS	01-Aug-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			76.0 %	44.4-145		5073131	MS	01-Aug-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			75.4 %	40.6-153		5073131	MS	01-Aug-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
07-Aug-25 15:27

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 5080123 - 1:4 DI Water**Blank (5080123-BLK1)**

Prepared & Analyzed: 01-Aug-25

Chloride	ND	16.0	mg/kg						
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LCS (5080123-BS1)

Prepared & Analyzed: 01-Aug-25

Chloride	432	16.0	mg/kg	400	108	80-120			
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LCS Dup (5080123-BSD1)

Prepared & Analyzed: 01-Aug-25

Chloride	416	16.0	mg/kg	400	104	80-120	3.77	20	
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Batch 5080127 - 1:4 DI Water**Blank (5080127-BLK1)**

Prepared & Analyzed: 01-Aug-25

Chloride	ND	16.0	mg/kg						
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LCS (5080127-BS1)

Prepared & Analyzed: 01-Aug-25

Chloride	416	16.0	mg/kg	400	104	80-120			
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LCS Dup (5080127-BSD1)

Prepared & Analyzed: 01-Aug-25

Chloride	432	16.0	mg/kg	400	108	80-120	3.77	20	
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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
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
07-Aug-25 15:27

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5073124 - Volatiles**Blank (5073124-BLK1)**

Prepared: 31-Jul-25 Analyzed: 01-Aug-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0506		mg/kg	0.0500		101	71.5-134			

LCS (5073124-BS1)

Prepared: 31-Jul-25 Analyzed: 01-Aug-25

Benzene	1.83	0.050	mg/kg	2.00		91.7	76.3-129			
Toluene	1.84	0.050	mg/kg	2.00		92.1	84.1-129			
Ethylbenzene	1.87	0.050	mg/kg	2.00		93.7	80.1-133			
m,p-Xylene	3.84	0.100	mg/kg	4.00		96.0	81.4-134			
o-Xylene	1.90	0.050	mg/kg	2.00		95.2	81.4-133			
Total Xylenes	5.74	0.150	mg/kg	6.00		95.7	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	0.0498		mg/kg	0.0500		99.6	71.5-134			

LCS Dup (5073124-BSD1)

Prepared: 31-Jul-25 Analyzed: 01-Aug-25

Benzene	1.78	0.050	mg/kg	2.00		89.2	76.3-129	2.82	15.8	
Toluene	1.82	0.050	mg/kg	2.00		91.2	84.1-129	0.962	15.9	
Ethylbenzene	1.89	0.050	mg/kg	2.00		94.5	80.1-133	0.792	16	
m,p-Xylene	3.87	0.100	mg/kg	4.00		96.7	81.4-134	0.677	16.2	
o-Xylene	1.89	0.050	mg/kg	2.00		94.5	81.4-133	0.718	16.7	
Total Xylenes	5.76	0.150	mg/kg	6.00		95.9	81.5-134	0.217	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0498		mg/kg	0.0500		99.6	71.5-134			

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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
705 W WADLEY AVE.
MIDLAND TX, 79705

Project: CORRAL FLY 35 -26 FED CTB
Project Number: 03B1417230
Project Manager: KELLY LOWERY
Fax To:

Reported:
07-Aug-25 15:27

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 5073131 - General Prep - Organics**Blank (5073131-BLK1)**

Prepared: 31-Jul-25 Analyzed: 01-Aug-25

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	49.4		mg/kg	50.0		98.9	44.4-145		
Surrogate: 1-Chlorooctadecane	51.6		mg/kg	50.0		103	40.6-153		

LCS (5073131-BS1)

Prepared: 31-Jul-25 Analyzed: 01-Aug-25

GRO C6-C10	202	10.0	mg/kg	200		101	81.5-123		
DRO >C10-C28	195	10.0	mg/kg	200		97.3	77.7-122		
Total TPH C6-C28	396	10.0	mg/kg	400		99.1	80.9-121		
Surrogate: 1-Chlorooctane	51.8		mg/kg	50.0		104	44.4-145		
Surrogate: 1-Chlorooctadecane	54.4		mg/kg	50.0		109	40.6-153		

LCS Dup (5073131-BS1)

Prepared: 31-Jul-25 Analyzed: 01-Aug-25

GRO C6-C10	214	10.0	mg/kg	200		107	81.5-123	5.87	13
DRO >C10-C28	208	10.0	mg/kg	200		104	77.7-122	6.92	15.6
Total TPH C6-C28	422	10.0	mg/kg	400		106	80.9-121	6.39	18.5
Surrogate: 1-Chlorooctane	55.3		mg/kg	50.0		111	44.4-145		
Surrogate: 1-Chlorooctadecane	58.1		mg/kg	50.0		116	40.6-153		

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1/2

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

Company Name: Ensolum, LLC

Project Manager: Kelly Lowery

Address: 601 N. Mainfield St. STE 400

City: Midland State: TX Zip: 79701

Phone #: 214-733-3165 Email: klowery@ensolum.com

Project #: 0381417230 Project Owner

Project Name: Corral Fly 35-26 Fed. CTB

Project Location: 32.163677, -103.954141

Sampler Name: Kaoru Shimada

BILL TO

P.O. #: 4502384141

Company: OXY USA, Inc.

Attn: Daniel Sparks

Address:

City:

State: Zip:

Phone #:

Email:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	Sample Depth (ft)	(GRAB OR (C)OMP.	# CONTAINERS	MATRIX					DATE	TIME	ANALYSIS REQUEST				
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE			BTEX 8021 B	TPH 8015 M	Chlorides 4500	TDS	
1	SW03	0-4	C	1	X					7/30/25	1359	X	X	X		
2	SW04	0-1	C	1	X					7/30/25	1322	X	X	X		
3	SW05	0-1	C	1	X					7/30/25	1324	X	X	X		
4	SW06	0-1	C	1	X					7/30/25	1325	X	X	X		
5	FS07	4	C	1	X					7/30/25	1358	X	X	X		
6	FS25	1	C	1	X					7/30/25	1334	X	X	X		
7	FS26	1	C	1	X					7/30/25	1335	X	X	X		
8	FS27	1	C	1	X					7/30/25	1337	X	X	X		
9	FS28	1	C	1	X					7/30/25	1338	X	X	X		
10	FS29	1	C	1	X					7/30/25	1339	X	X	X		

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Relinquished By:

Date: 7-31-25

Time: 1340

Received By:

Date: 7/30/25

Time: 1339

Received By:

Date: 7/30/25

Time: 1339

Relinquished By:

Date: 7-31-25

Time: 1340

Received By:

Date: 7/30/25

Time: 1339

Received By:

Date: 7/30/25

Time: 1339

Relinquished By:

Date: 7-31-25

Time: 1340

Received By:

Date: 7/30/25

Time: 1339

Received By:

Date: 7/30/25

Time: 1339

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

Observed Temp. °C
Corrected Temp. °C

Sample Condition
Cool ☒ Moist ☐
No ☐ No ☐

CHECKED BY:
(Initials)

Turnaround Time: Standard ☐ Rush ☒

Thermometer ID #13 #146
Correction Factor -0.3°C

Backfill (only) Sample Condition
No ☐ Yes ☐

Corrected Temp. °C

FORM-006 R 3.2 10/07/21

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

* Customer requested changes. ex. 8/6/25



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

Page 23 of 23



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

August 18, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: CORRAL FLY 35 -26 FED CTB

Enclosed are the results of analyses for samples received by the laboratory on 08/13/25 13:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/13/2025
 Reported: 08/18/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW03 0-4' (H255015-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2025	ND	1.81	90.4	2.00	1.65	
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.3	2.00	1.41	
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.83	91.6	2.00	0.278	
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.57	92.8	6.00	1.65	
Total BTX	<0.300	0.300	08/14/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/14/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	225	112	200	3.34	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	216	108	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/18/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW05 0-2' (H255015-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.81	90.4	2.00	1.65		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.3	2.00	1.41		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.83	91.6	2.00	0.278		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.57	92.8	6.00	1.65		
Total BTEX	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/14/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	225	112	200	3.34	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	216	108	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 88.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/18/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW07 0-1' (H255015-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.81	90.4	2.00	1.65		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.3	2.00	1.41		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.83	91.6	2.00	0.278		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.57	92.8	6.00	1.65		
Total BTEx	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/14/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	225	112	200	3.34	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	216	108	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 92.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/18/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS31 1' (H255015-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.81	90.4	2.00	1.65		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.3	2.00	1.41		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.83	91.6	2.00	0.278		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.57	92.8	6.00	1.65		
Total BTEX	<0.300	0.300	08/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5440	16.0	08/14/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	225	112	200	3.34	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	216	108	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 89.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/18/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS35 1' (H255015-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.81	90.4	2.00	1.65		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.3	2.00	1.41		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.83	91.6	2.00	0.278		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.57	92.8	6.00	1.65		
Total BTEX	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7200	16.0	08/14/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	225	112	200	3.34	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	216	108	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 96.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/18/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS36 4' (H255015-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.78	89.2	2.00	0.0132		
Toluene*	<0.050	0.050	08/14/2025	ND	1.87	93.4	2.00	0.178		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	0.493		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.45	90.8	6.00	0.620		
Total BTEX	<0.300	0.300	08/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	08/14/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	225	112	200	3.34	
DRO >C10-C28*	10.2	10.0	08/14/2025	ND	216	108	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 87.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.0 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/18/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS37 1' (H255015-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.78	89.2	2.00	0.0132		
Toluene*	<0.050	0.050	08/14/2025	ND	1.87	93.4	2.00	0.178		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	0.493		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.45	90.8	6.00	0.620		
Total BTEX	<0.300	0.300	08/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	08/14/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	225	112	200	3.34	
DRO >C10-C28*	31.7	10.0	08/14/2025	ND	216	108	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 92.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/18/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS38 4' (H255015-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.78	89.2	2.00	0.0132		
Toluene*	<0.050	0.050	08/14/2025	ND	1.87	93.4	2.00	0.178		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	0.493		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.45	90.8	6.00	0.620		
Total BTEX	<0.300	0.300	08/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1260	16.0	08/14/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	225	112	200	3.34	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	216	108	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 93.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/18/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS39 1' (H255015-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.78	89.2	2.00	0.0132		
Toluene*	<0.050	0.050	08/14/2025	ND	1.87	93.4	2.00	0.178		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	0.493		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.45	90.8	6.00	0.620		
Total BTEx	<0.300	0.300	08/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	08/14/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	225	112	200	3.34	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	216	108	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 94.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/18/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS40 1' (H255015-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.78	89.2	2.00	0.0132		
Toluene*	<0.050	0.050	08/14/2025	ND	1.87	93.4	2.00	0.178		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	0.493		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.45	90.8	6.00	0.620		
Total BTEX	<0.300	0.300	08/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	08/14/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	225	112	200	3.34	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	216	108	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 88.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/18/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 08/13/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS41 1' (H255015-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.78	89.2	2.00	0.0132		
Toluene*	<0.050	0.050	08/14/2025	ND	1.87	93.4	2.00	0.178		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	0.493		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.45	90.8	6.00	0.620		
Total BTEX	<0.300	0.300	08/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	08/14/2025	ND	416	104	400	3.77		

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	225	112	200	3.34	
DRO >C10-C28*	102	10.0	08/14/2025	ND	216	108	200	2.94	
EXT DRO >C28-C36	48.2	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 78.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.3 % 40.6-153

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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

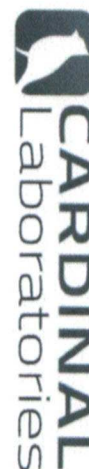
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4/2

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

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

August 29, 2025

KELLY LOWERY

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: CORRAL FLY 35 -26 FED CTB

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

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". 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
 KELLY LOWERY
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

Received: 08/28/2025
 Reported: 08/29/2025
 Project Name: CORRAL FLY 35 -26 FED CTB
 Project Number: 03B1417230
 Project Location: OXY 32.163677, -103.954141

Sampling Date: 08/28/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BF 01 (H255361-01)

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

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

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

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

Surrogate: 1-Chlorooctane 70.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

[illegible]

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 521788

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521788
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2427834245
Incident Name	NAPP2427834245 CORRAL FLY 35-26 FED. CTB @ FAPP2126640243
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2126640243] CORRAL FLY 35-26 CTB

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CORRAL FLY 35-26 FED. CTB
Date Release Discovered	09/29/2024
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pump Produced Water Released: 23 BBL Recovered: 10 BBL Lost: 13 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

General Information
Phone: (505) 629-6116

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

QUESTIONS, Page 2

Action 521788

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521788
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

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

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

I hereby agree and sign off to the above statement	Name: Daniel Sparks Title: Environmental Analyst III Email: daniel_sparks@oxy.com Date: 10/30/2025
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QUESTIONS, Page 3

Action 521788

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521788
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Attached Document
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	24800
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1106
GRO+DRO (EPA SW-846 Method 8015M)	1015
BTEX (EPA SW-846 Method 8021B or 8260B)	1
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	07/15/2025
On what date will (or did) the final sampling or liner inspection occur	08/13/2025
On what date will (or was) the remediation complete(d)	08/13/2025
What is the estimated surface area (in square feet) that will be reclaimed	8044
What is the estimated volume (in cubic yards) that will be reclaimed	393
What is the estimated surface area (in square feet) that will be remediated	8044
What is the estimated volume (in cubic yards) that will be remediated	393

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

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

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QUESTIONS, Page 4

Action 521788

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521788
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Daniel Sparks Title: Environmental Analyst III Email: daniel_sparks@oxy.com Date: 10/30/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 521788

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521788
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 521788

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521788
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	494093
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/13/2025
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	3200

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	8044
What was the total volume (cubic yards) remediated	393
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	8044
What was the total volume (in cubic yards) reclaimed	393
Summarize any additional remediation activities not included by answers (above)	NA
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Daniel Sparks Title: Environmental Analyst III Email: daniel_sparks@oxy.com Date: 10/30/2025

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QUESTIONS, Page 7

Action 521788

QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 521788

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 521788
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CONDITIONS

Created By	Condition	Condition Date
scwells	None	11/24/2025