



September 14, 2023

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
Rojo 7811 27 Federal Com 13H
Incident Number nCH1834763224
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of BTA Oil Producers, LLC (BTA), has prepared this *Closure Request* to document delineation and soil sampling activities performed at the Rojo 7811 27 Federal Com 13H (Site), in accordance with an approved *Remediation Work Plan (Work Plan)* submitted June 8, 2023. The *Work Plan* proposed lateral and vertical delineation of the release. Based on the delineation activities completed and laboratory analytical results from the soil sampling events in accordance with the *Work Plan*, BTA is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Number nCH1834763224.

BACKGROUND

The Site is located in Unit A, Section 27, Township 25 South, Range 33 East, in Lea County, New Mexico (32.108100°, -103.552960°) and is associated with oil and gas exploration and production operations on private land owned by KAML Limited.

On November 13, 2018, a seal on the diesel transfer pump blew out, resulting in the release of 30 barrels (bbls) of produced water, of which no fluids were recovered. BTA reported the release to the New Mexico Oil Conservation Division (NMOCD) via a Release Notification Form C-141 (Form C-141) on November 15, 2018. The release was assigned Incident Number nCH1834763224.

The Site was characterized to assess the 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). Based on the results of the Site Characterization reported in the June 2023 *Work Plan* (Appendix A), 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
- TPH: 2,500 mg/kg
- Chloride: 10,000 mg/kg

BTA Oil Producers, LLC
Closure Request
Rojo 7811 27 Federal Com 13H

DELINEATION ACTIVITIES AND ANALYTICAL RESULTS

On August 1 and August 2, 2023, Ensolum personnel were at the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. No visible indications of the historical release were observed during the Site visit. Seven delineation soil samples (SS01 through SS07) were collected around the inferred release extent at a depth of 0.5 feet below ground surface (bgs) to assess the lateral extent of chemicals of concern (COCs) resulting from the produced water release. Boreholes (BH01 through BH05) were advanced via hand auger within the inferred release extent to assess the vertical extent of the release. The boreholes were advanced to depths ranging from 1-foot to 4 feet bgs, upon hand auger refusal. Discrete delineation soil samples were collected from the boreholes at depths ranging from 0.5 feet to 4 feet bgs. Field screening results and observations were logged on lithologic/soil sampling logs, which are included in Appendix B. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included as Appendix C.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following COCs: BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method SM4500.

Laboratory analytical results for delineation soil samples SS01 through SS07 and all delineation samples collected from boreholes BH01 through BH05, collected within and around the inferred release extent, indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria and confirmed the absence of impacted soil within and around the inferred release area. Laboratory analytical results are summarized in Table 1 and the complete analytical reports are included as Appendix D.

CLOSURE REQUEST

Site assessment and delineation activities were conducted at the Site to assess for the presence or absence of impacted soil resulting from the November 2018 release of produced water. Laboratory analytical results for the delineation soil samples indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria. Based on laboratory analytical results, no impacted soil was identified, and no further remediation is required.

No visible indications of the release were observed. Initial response efforts and natural attenuation appear to have mitigated impacts at this Site. BTA believes these remedial actions are protective of human health, the environment, and groundwater. As such, BTA respectfully requests closure for Incident Number nCH1834763224. The final Form C-141 is included as Appendix E.

BTA Oil Producers, LLC
Closure Request
Rojo 7811 27 Federal Com 13H

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely,
Ensolum, LLC



Hadlie Green
Project Geologist



Daniel R. Moir, PG
Senior Managing Geologist

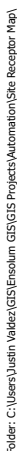
cc: Kelton Beaird, BTA
KAML Limited

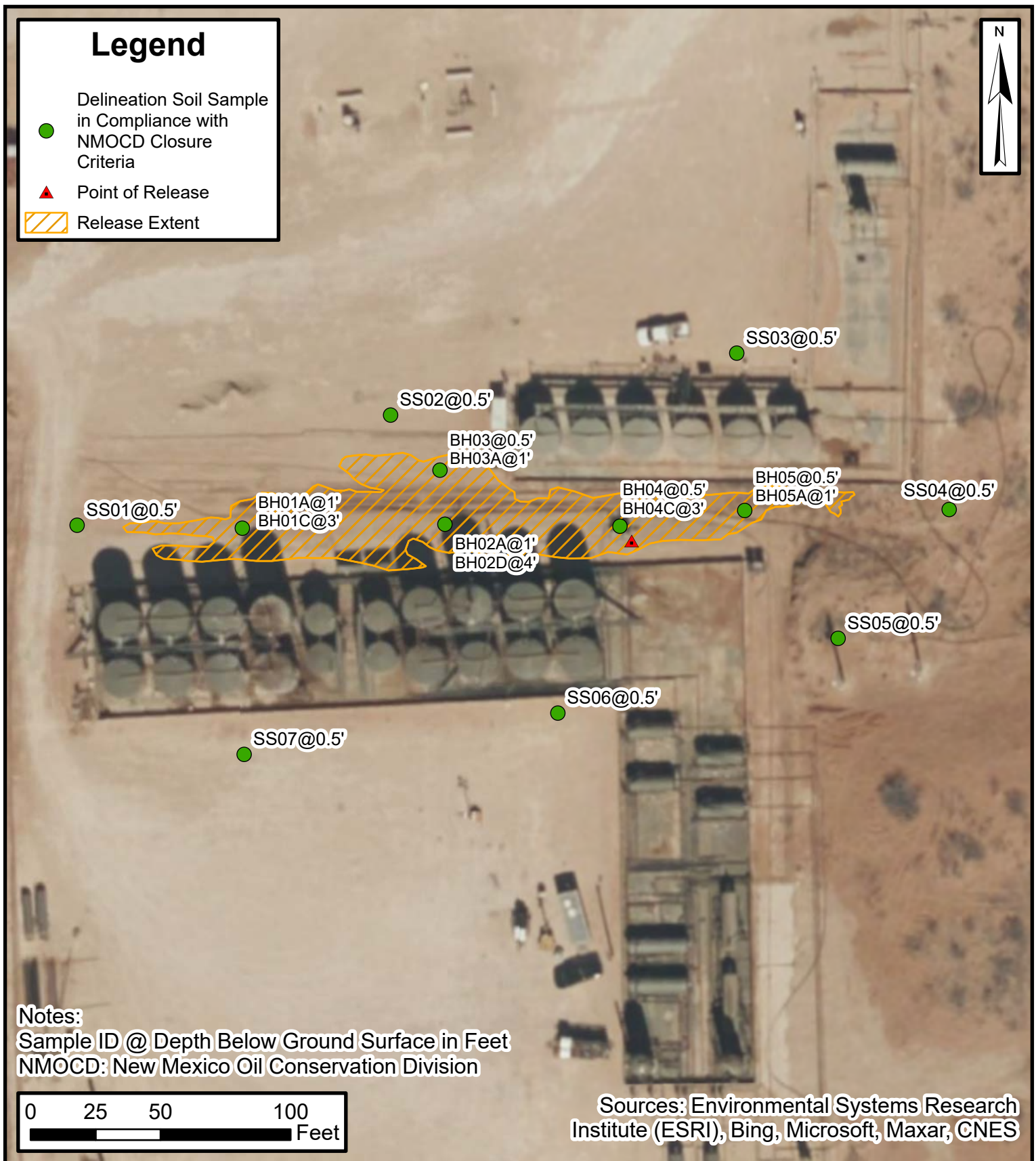
Appendices:

| | |
|------------|--|
| Figure 1 | Site Receptor Map |
| Figure 2 | Delineation Soil Sample Locations |
| Table 1 | Soil Sample Analytical Results |
| Appendix A | Original Remediation Work Plan |
| Appendix B | Lithologic Soil Sampling Logs |
| Appendix C | Photographic Log |
| Appendix D | Laboratory Analytical Reports & Chain-of-Custody Documentation |
| Appendix E | Final C-141 |



FIGURES





Delineation Soil Sample Locations

BTA Oil Producers, LLC
 Rojo 7811 27 Federal Com 13H
 Incident Number: nCH1834763224
 Unit A, Sec 27, T25S, R33E
 Lea County, New Mexico

FIGURE
2



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Rojo 7811 27 Federal Com 13H
 BTA Oil Producers, LLC
 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 I Closure Criteria (NMAC 19.15.29) | | | 10 | 50 | NE | NE | NE | 1,000 | 2,500 | 10,000 |
| Delineation Soil Samples | | | | | | | | | | |
| SS01 | 08/02/2023 | 0.5 | <0.025 | <0.275 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 16.0 |
| SS02 | 08/02/2023 | 0.5 | <0.025 | <0.275 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 16.0 |
| SS03 | 08/02/2023 | 0.5 | <0.025 | <0.275 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 16.0 |
| SS04 | 08/02/2023 | 0.5 | <0.025 | <0.275 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 16.0 |
| SS05 | 08/02/2023 | 0.5 | <0.025 | <0.275 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 16.0 |
| SS06 | 08/02/2023 | 0.5 | <0.025 | <0.275 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <16.0 |
| SS07 | 08/02/2023 | 0.5 | <0.025 | <0.275 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <16.0 |
| BH01A | 08/01/2023 | 1 | <0.025 | <0.275 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 16.0 |
| BH01C | 08/01/2023 | 3 | <0.025 | <0.275 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 48.0 |
| BH02A | 08/01/2023 | 1 | <0.025 | <0.275 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 128 |
| BH02D | 08/01/2023 | 4 | <0.025 | <0.275 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 320 |
| BH03 | 08/02/2023 | 0.5 | <0.025 | <0.275 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 32.0 |
| BH03A | 08/02/2023 | 1 | <0.025 | <0.275 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 48.0 |
| BH04 | 08/02/2023 | 0.5 | <0.025 | <0.275 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 96.0 |
| BH04C | 08/02/2023 | 3 | <0.025 | <0.275 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 48.0 |
| BH05 | 08/02/2023 | 0.5 | <0.025 | <0.275 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 16.0 |
| BH05A | 08/02/2023 | 1 | <0.025 | <0.275 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | 16.0 |

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon



APPENDIX A

Original Remediation Work Plan



June 6, 2023

New Mexico Oil Conservation Division

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

**Re: Remediation Work Plan
Rojo 7811 27 Federal Com 13H
Incident Number nCH1834763224
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of BTA Oil Producers, LLC (BTA), has prepared the following *Remediation Work Plan (Work Plan)* to document a release of produced water at the Rojo 7811 27 Federal Com 13H (Site), present the Site Characterization identifying any potential sensitive receptors, and propose to complete Site assessment activities to assess for the presence or absence of impacts related to assigned Incident Number nCH1834763224.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit A, Section 27, Township 25 South, Range 33 East, in Lea County, New Mexico (32.108100°, -103.552960°) and is associated with oil and gas exploration and production operations on private land owned by KAML Limited.

On November 13, 2018, a seal on the diesel transfer pump blew out, resulting in the release of 30 barrels (bbls) of produced water, of which no fluids were recovered. BTA reported the release to the New Mexico Oil Conservation Division (NMOCD) via a Release Notification Form C-141 (Form C-141) on November 15, 2018. The release was assigned Incident Number nCH1834763224.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the 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). Results from the characterization desktop review are presented on a Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be between 50 feet to 100 feet below ground surface (bgs) based on the closest groundwater well data. The closest groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NM OSE) well number C-4698-POD 1, located approximately ½-mile west of the Site. On January 3, 2023, a field geologist logged and described soils continuously to a total depth of 60 feet bgs due to drilling refusal. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 60

BTA Oil Producers, LLC
Remediation Work Plan
Rojo 7811 27 Federal Com 13H

feet bgs. The borehole was properly abandoned using drill cuttings and hydrated bentonite chips. Based on the soil boring, depth to groundwater at the Site is confirmed to be between 50 feet and 100 feet bgs. All wells used for depth to water determination are depicted on Figure 1 and the referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an irrigation canal, located approximately 4,246 feet southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

- 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: 10,000 mg/kg

PROPOSED DELINEATION ACTIONS

Based on the unrecovered volume of produced water from the release, Ensolum proposes to evaluate the release extent based on information provided on the Form C-141 and visual observations. Ensolum will advance representative hand auger borings within the release extent and advance them until 1-foot bgs or until field screening results indicate concentrations of COCs in soil are in compliance with the Closure Criteria. Two soil samples will be collected from each of the soil borings within the release extent; the soil sample exhibiting the highest field screening results and the terminus of the soil boring. Additional soil samples will be collected at 0.5 feet bgs outside of the release extent to confirm the lateral definition of the release. Tentative soil sample locations are depicted on Figure 2. It should be noted that the locations could change based on Site conditions at the time of the assessment activities.

All soil samples will be field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Field screening results and observations were logged on lithologic/soil sampling logs. The soil sample locations will be mapped utilizing a handheld Global Positioning System (GPS) unit. Photographic documentation will be completed during the Site visit.

Soil samples will be placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples will be transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following COCs: BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method SM4500.

BTA will complete the remedial activities described above within 90 days of the date of approval of this *Work Plan* by the NMOCD. If laboratory analytical results indicate concentrations of all COCs are in compliance with the Closure Criteria and/or the reclamation requirement and it is determined that impacted soil is not present, a Closure Request will be prepared and submitted to the NMOCD for

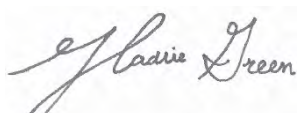
BTA Oil Producers, LLC
Remediation Work Plan
Rojo 7811 27 Federal Com 13H

concurrence. If laboratory analytical results do indicate the presence of impacted soil, BTA will submit a *Revised Remediation Work Plan (RRWP)* to outline additional remedial actions to addressed impacts.

BTA believes the scope of work described above will meet requirements set forth in 19.15.29.12 NMAC and are protective of human health, the environment, and groundwater. As such, BTA respectfully requests approval of this *Work Plan* from NMOCD.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely,
Ensolum, LLC



Hadlie Green
Staff Geologist



Daniel R. Moir, PG
Senior Managing Geologist

cc: Kelton Beaird, BTA
Nathan Sirgo, BTA
KAML Limited





Appendices:

| | |
|------------|-----------------------------------|
| Figure 1 | Site Receptor Map |
| Figure 2 | Delineation Soil Sample Locations |
| Appendix A | Water Well Log |
| Appendix B | Form C-141 |






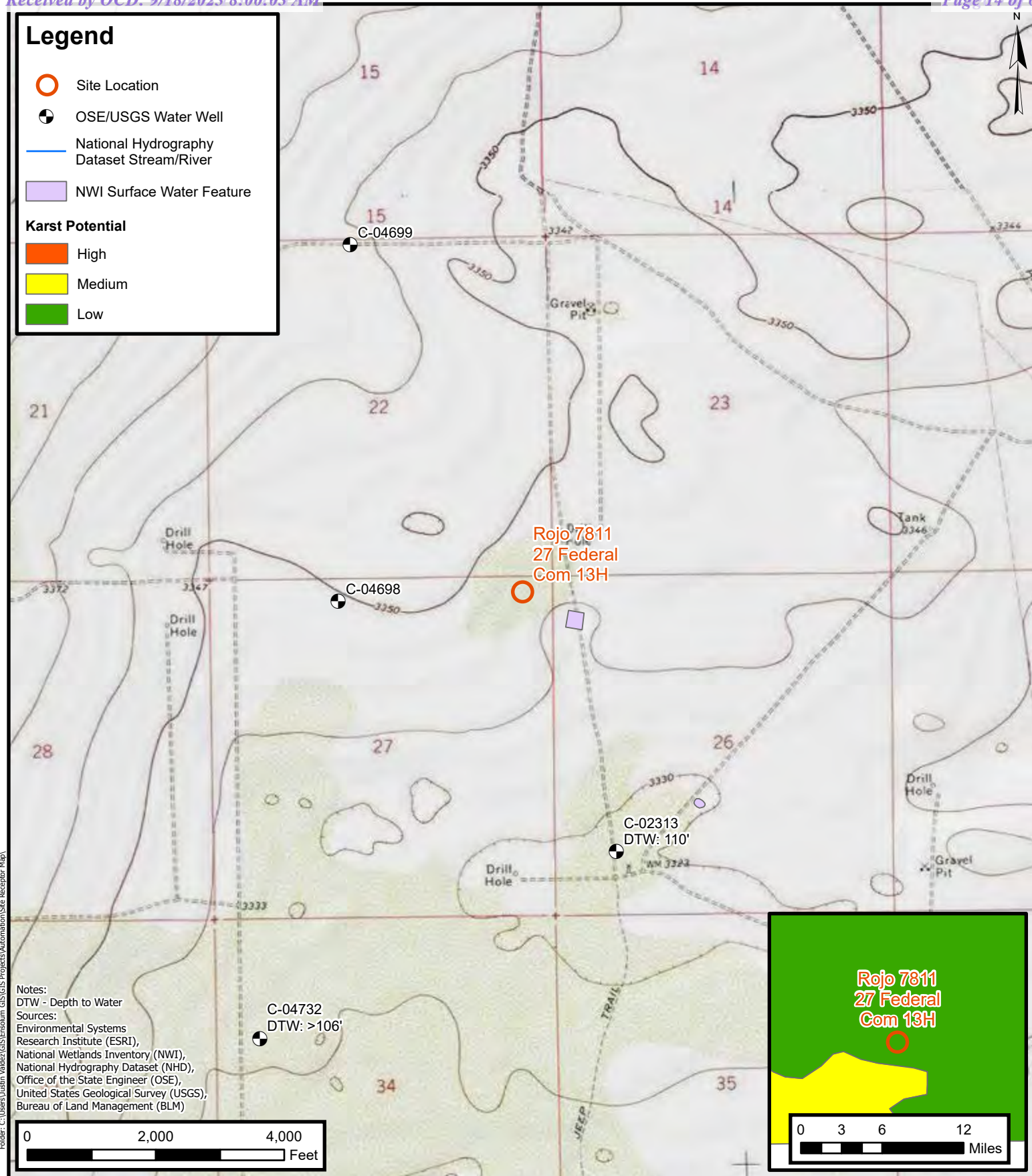
FIGURES

Legend

-  Site Location
-  OSE/USGS Water Well
-  National Hydrography Dataset Stream/River
-  NWI Surface Water Feature

Karst Potential

-  High
-  Medium
-  Low



Site Receptor Map

BTA Oil Producers, LLC
Rojo 7811 27 Federal Com 13H
Incident Number: nCH1834763224
Unit A, Sec27, T25S, R33E
NA, Lea County, New Mexico

FIGURE

1

Legend

- Delineation Soil Sample Location
- Lateral Delineation Extent Soil Sample Location
- ▲ Point of Release (POR)
- Release Extent

**Delineation Soil Sample Locations**


BTA Oil Producers, LLC
Rojo 7811 27 Federal Com 13H
Incident Number: nCH1834763224
Unit A, Sec 27, T25S, R33E
NA, Lea County, New Mexico

FIGURE
2



APPENDIX A

Water Well Log

|  | | | | | | | | Sample Name: BH01 | | Date: 1/3/2023 | |
|--|----------------|-------------|----------|-----------|-----------------------|----------------|------------------|--|--|--------------------|--|
| | | | | | | | | Site Name: Rojo 26 Oil Dump Valve Failure | | | |
| | | | | | | | | Incident Number: nAPP2224256412 | | | |
| | | | | | | | | Job Number: 03C2012006 | | | |
| LITHOLOGIC / SOIL SAMPLING LOG | | | | | | | | Logged By: CS / MR | | Method: Air Rotary | |
| Coordinates: 32.107784, -103.562235 | | | | | | | | Hole Diameter: 6" | | Total Depth: 60' | |
| Comments: Soil boring was advanced to a total depth of 60' bgs. No water was observed within the soil boring after at least 72 hours. On 1/16/2023 the soil boring was plugged and abandoned using hydrated bentonite chips. | | | | | | | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions | | | |
| | | | | | | 0 | CCHE | (0-30'), CALICHE, coarse grain, well graded, white to tan, dry, no stain or odor. | | | |
| Dry | - | - | N | - | - | 10 | | | | | |
| Dry | - | - | N | - | - | 20 | | @20' color change to pink/tan | | | |
| Dry | - | - | N | - | - | 30 | SP-SM | (30-78'), SAND, medium to fine grain, poorly graded with trace caliche nodules, red to orange, dry, no stain, no odor. | | | |
| Dry | - | - | N | - | - | 40 | | | | | |
| Dry | - | - | N | - | - | 50 | | @50', slightly cohesive with trace clay | | | |
| Dry | - | - | N | - | - | 60 | | NOTE: refusal @ 60' using air rotary drill rig due to abundant sand. | | | |
| Total Depth @ 60 feet bgs | | | | | | | | | | | |



APPENDIX B

Form C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

| | |
|----------------|---------------|
| Incident ID | NCH1834763224 |
| District RP | 1RP-5274 |
| Facility ID | |
| Application ID | pCH1834763495 |

Release Notification

Responsible Party

| | | | |
|-------------------------|-----------------------------------|-------------------|--------------------------------|
| Responsible Party | BTA Oil Producers | OGRID | 260297 |
| Contact Name | Ben Grimes | Contact Telephone | 432-682-3753 |
| Contact email | bgrimes@btaoil.com | Incident # | NCH1834763224 ROJO 7811 27 |
| Contact mailing address | 104 S. Pecos St. Midland, TX 7970 | | FEDERAL COM 13H @ 30-025-44296 |

Location of Release Source

Latitude 32.108100 Longitude 103.552960
(NAD 83 in decimal degrees to 5 decimal places)

| | | | |
|-------------------------|---|----------------------|--------------|
| Site Name | Rojo 7811 27 Federal Com 13H (Closest Well) | Site Type | Tank Battery |
| Date Release Discovered | 11/13/2018 | API# (if applicable) | 30-025-44296 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| A NENE | 27 | 25S | 33E | Lea |

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: KAML Limited)

Nature and Volume of Release

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

| | | |
|--|--|---|
| <input type="checkbox"/> Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 30 bbl | Volume Recovered (bbls) 0 |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No not known at this time |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release

This morning around 5am NM time, the seal on the diesel transfer pump blew out. spilled approximately 30 bbl. of produced water behind the battery. None was contained. Called Vac truck to pick up what could but most had soaked into soil.

Form C-141

Page 2

State of New Mexico
Oil Conservation Division

| | |
|----------------|---------------|
| Incident ID | NCH1834763224 |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|---|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? NMOCD rules states 25 or more BBLs constitutes a major release and this was approx. 30 BBL |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc.)? | |

Initial Response

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

| | |
|--|----------------------------------|
| <input checked="" type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. | |
| If all the actions described above have <u>not</u> been undertaken, explain why: The area that the spill occurred is only accessible to a certain point before the flowlines and equipment is in the way. All liquid has absorbed into ground. | |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | |
| Printed Name: <u>Ben Grimes</u> | Title: <u>Production Manager</u> |
| Signature: <u>Ben Grimes</u> | Date: <u>11/15/2018</u> |
| email: <u>BGrimes@PTAOL.com</u> | Telephone: <u>432-682-3753</u> |
| <u>OCD Only</u> | |
| Received by: _____ | Date: _____ |

Rojo 10-13 Battery (BTA Oil Producers)

Legend

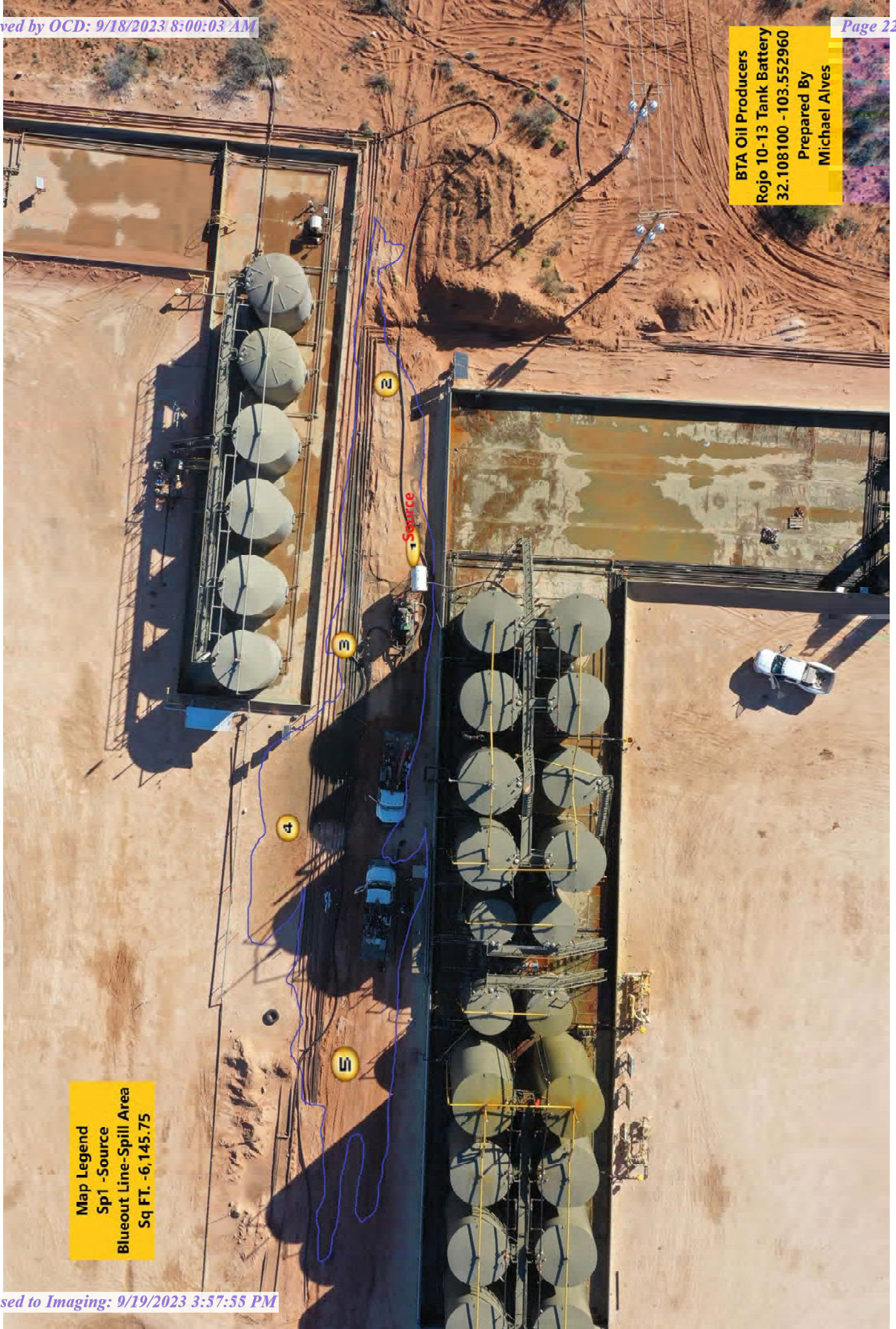
Rojo 10-13 Battery

Map Legend
Sp1 - Source
Blueout Line-Spill Area
Sq Ft. - 6, 145.75

BTA Oil Producers
Rojo 10-13 Tank Battery
32.108100 - 103.552960
Prepared By
Michael Alves

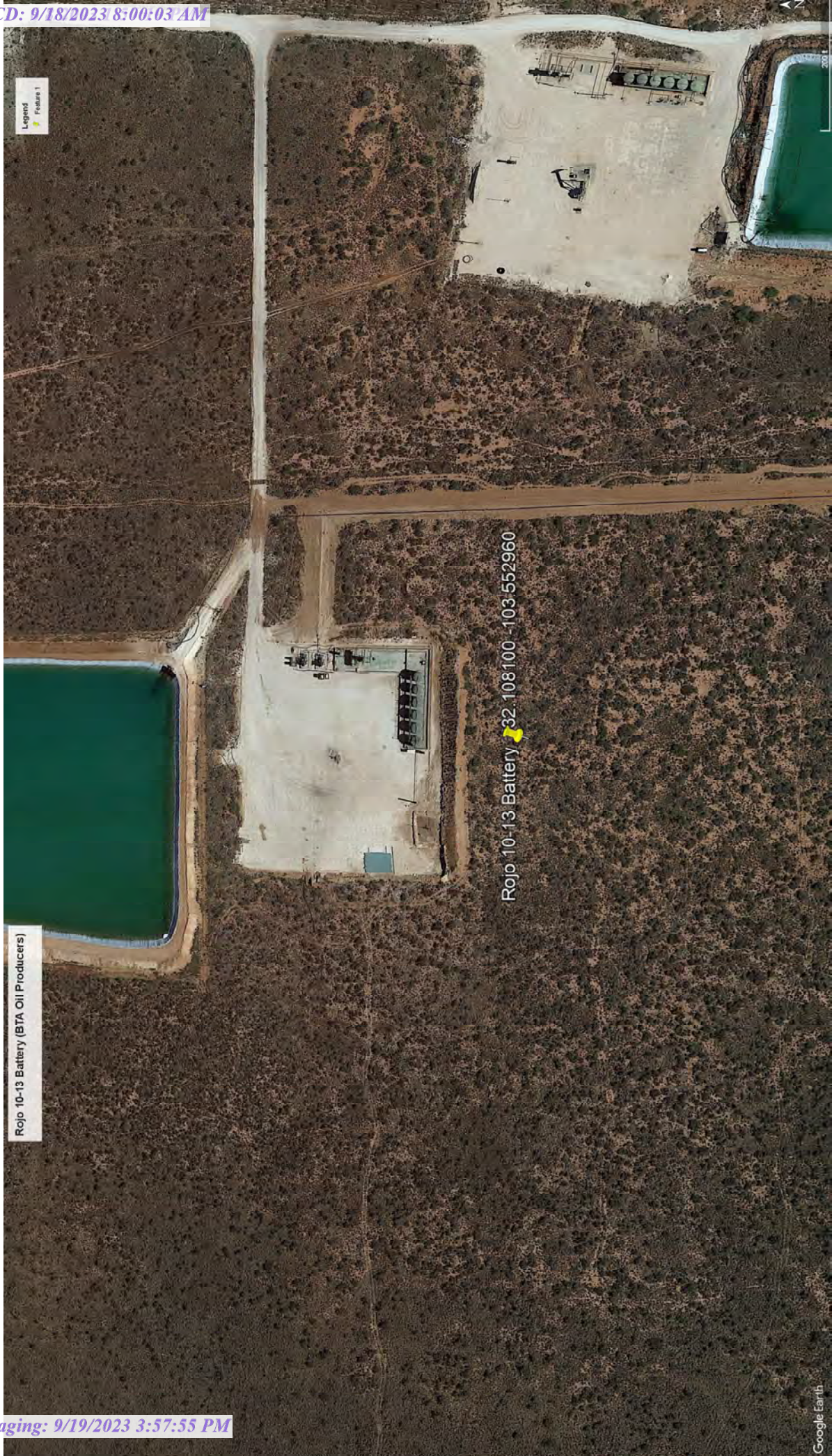
Rojo 10-13 Battery 32.108100 - 103.552960





Map Legend
Sp1 -Source
Blueout Line-Spill Area
Sq FT. -6,145.75

BTA Oil Producers
Rojo 10-13 Tank Battery
32.108100 - 103.552960
Prepared By
Michael Alves



Rojo 10-13 Battery (BTA Oil Producers)

Rojo 10-13 Battery 32.108100 -103.552960

| | |
|----------------|---------------|
| Incident ID | NCH1834763224 |
| District RP | |
| Facility ID | |
| Application ID | |

Site Assessment/Characterization

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

| | |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release? | >60 _____ (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☐ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

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

Form C-141

State of New Mexico
Oil Conservation Division

Page 4

| | |
|----------------|---------------|
| Incident ID | NCH1834763224 |
| District RP | |
| Facility ID | |
| Application ID | |

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kelton Beaird

Title: Environmental Manager

Signature: 

Date: 6-7-23

email: kbeaird@btaoil.com

Telephone: 432-312-2203

OCD Only

Received by: Jocelyn Harimon

Date: 06/08/2023

Form C-141

Page 5

State of New Mexico
Oil Conservation Division

| | |
|----------------|---------------|
| Incident ID | NCH1834763224 |
| District RP | |
| Facility ID | |
| Application ID | |

Remediation Plan

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

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kelton Beaird

Title: Environmental Manager

Signature: 

Date: 6-7-23


email: kbeaird@btaoil.com

Telephone: 432-312-2203

OCD Only

Received by: Jocelyn Harimon

Date: 06/08/2023

☒ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature: 

Date: 06/29/2023

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 225598

CONDITIONS

| | |
|---|---|
| Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701 | OGRID: 260297 |
| | Action Number: 225598 |
| | Action Type: [C-141] Release Corrective Action (C-141) |


CONDITIONS


| Created By | Condition | Condition Date |
|------------|---|----------------|
| amaxwell | Delineation plan approved. Submit a report via the OCD permitting portal by September 29, 2023. | 6/29/2023 |





APPENDIX B


Lithologic Soil Sampling Logs

|  | | | | | | | | Sample Name: BH01 | | Date: 8/1/23 | |
|---|----------------|-------------|----------|-----------|-----------------------|----------------|------------------|---|--|-----------------------|--|
| | | | | | | | | Site Name: Rojo 7811 27 Federal Com 13H | | | |
| | | | | | | | | Incident Number: NCH1834763224 | | | |
| | | | | | | | | Job Number: 03C2012045 | | | |
| LITHOLOGIC / SOIL SAMPLING LOG | | | | | | | | Logged By: Tabitha Guadin | | Method: Handauger | |
| Coordinates: 32.108463, -103.553357 | | | | | | | | Hole Diameter: 2in | | Total Depth: 3 ft bgs | |
| Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. | | | | | | | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions | | | |
| Dry | 257 | 0.9 | N | BH01 | | 0 | SP | SAND, brown, poorly sorted, no odor, no staining | | | |
| Dry | 132.6 | 4.7 | N | BH01A | 1 | 1 | SP | SAND, red, brown, poorly sorted, no odor, no staining | | | |
| Dry | 102.5 | 3.8 | N | BH01B | | 2 | SP | SAA | | | |
| Dry | 207.7 | 1.3 | N | BH01C | 3 | 3 | SP | SAA | | | |
| | | | | | | | | Refusal @ 3 feet bgs TD at 3 ft bgs | | | |

|  ENSOLUM | | | | | | | Sample Name: BH02 | | Date: 8/1/23 | |
|---|----------------|-------------|----------|-----------|-----------------------|----------------|---|--|-----------------------|--|
| | | | | | | | Site Name: Rojo 7811 27 Federal Com 13H | | | |
| | | | | | | | Incident Number: NCH1834763224 | | | |
| | | | | | | | Job Number: 03C2012045 | | | |
| LITHOLOGIC / SOIL SAMPLING LOG | | | | | | | Logged By: Tabitha Guadin | | Method: Handauger | |
| Coordinates: 32.108472, -103.553105 | | | | | | | Hole Diameter: 2in | | Total Depth: 4 ft bgs | |
| Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. | | | | | | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions | | |
| Dry | 429.5 | 0.4 | N | BH02 | | 0 | | | | |
| | | | | | | 0.5 | CCHE | Caliche, sand, gray, brown, no staining, no odor | | |
| Moist | 461.5 | 2.3 | N | BH02A | 1 | 1 | SW | SAND, reddish brown, well sorted, no staining, no odor | | |
| Moist | 628.2 | 2.8 | N | BH02B | | 2 | SP | SAND, reddish brown, poorly sorted, no staining, no odor | | |
| Moist | 572.4 | 2.2 | N | BH02C | | 3 | SP | SAA | | |
| Moist | 875 | 2.7 | N | BH02D | 4 | 4 | SW | Caliche, sand, white, gray, brown, well sorted, no staining, no odor | | |
| TD at 4 ft bgs | | | | | | | | | | |

|  | | | | | | | | Sample Name: BH03 | | Date: 8/2/23 | |
|---|----------------|-------------|----------|-----------|-----------------------|----------------|------------------|---|--|----------------------|--|
| | | | | | | | | Site Name: Rojo 7811 27 Federal Com 13H | | | |
| | | | | | | | | Incident Number: NCH1834763224 | | | |
| | | | | | | | | Job Number: 03C2012045 | | | |
| LITHOLOGIC / SOIL SAMPLING LOG | | | | | | | | Logged By: Tabitha Guadin | | Method: Handauger | |
| Coordinates: 32.108533, -103.553112 | | | | | | | | Hole Diameter: 2in | | Total Depth: 1 ft bg | |
| Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. | | | | | | | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions | | | |
| Dry | 118.6 | 6.5 | N | BH03 | 0.5 | 0 | CCHE | CALICHE, white, tan, well-sorted, no staining, no odor SAA (Same as above) Refusal at 1 ft bgs TD at 1 ft bg | | | |
| Dry | 134.6 | 2.2 | N | BH03A | 1 | 1 | SAA | | | | |
| | | | | | | | | | | | |

|  ENSOLUM | | | | | Sample Name: BH04 | | Date: 8/2/23 | |
|---|----------------|-------------|----------|-----------|---|----------------|-----------------------|--|
| | | | | | Site Name: Rojo 7811 27 Federal Com 13H | | | |
| | | | | | Incident Number: NCH1834763224 | | | |
| | | | | | Job Number: 03C2012045 | | | |
| LITHOLOGIC / SOIL SAMPLING LOG | | | | | Logged By: Tabitha Guadin | | Method: Handauger | |
| Coordinates: 32.108467, -103.552885 | | | | | Hole Diameter: 2in | | Total Depth: 4 ft bgs | |
| Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. | | | | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions |
| Moist | 312.8 | 7.3 | N | BH04 | 0.5 | 0.5 | SW | SAND, brown, well sorted, no staining, no odor |
| Moist | 298.1 | 2.1 | N | BH04A | | 1 | SAA | SAA no staining |
| Moist | 232 | 2.2 | N | BH04B | | 2 | SW | SAND, reddish-brown, white, well-sorted, no staining, no odor |
| Moist | 322.5 | 2.4 | N | BH04C | 3 | 3 | SW | SAND, caliche, well sorted, no staining, no odor, brown, white |
| Refusal at 3 ft bgs TD at 3 ft bgs | | | | | | | | |

|  ENSOLUM | | Sample Name: BH05 | | Date: 8/2/23 | | | | |
|---|----------------|---|---------------------------|--------------|-----------------------|----------------|------------------|--|
| | | Site Name: Rojo 7811 27 Federal Com 13H | | | | | | |
| | | Incident Number: NCH1834763224 | | | | | | |
| | | Job Number: 03C2012045 | | | | | | |
| LITHOLOGIC / SOIL SAMPLING LOG | | | | | | | | |
| Coordinates: 32.108493, -103.552700 | | | Logged By: Tabitha Guadin | | Method: Handauger | | | |
| | | | Hole Diameter: 2in | | Total Depth: 1 ft bg | | | |
| Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. | | | | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample ID | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithologic Descriptions |
| Dry | 79.5 | 9.4 | N | BH05 | 0.5 | 0 | SP | SAND, light brown, poorly sorted, no staining, no odor |
| Dry | 109 | 5.3 | N | BH05A | 1 | 1 | SW | SAND, light brown, rocky, well sorted, no staining, no odor Refusal @ 1 ft bgs TD at 1 ft bg |



APPENDIX C

Photographic Log

**Photographic Log**

BTA Oil Producers

Rojo 7811 27 Federal Com 13H

Incident Number nCH1834763224

Date & Time: Tue, Aug 01, 2023 at 11:43:03 MDT
Position: 032.108460° N / 103.553406° W (±15.1ft)
Altitude: 3377ft (±11.6ft)
Datum: WGS-84
Azimuth/Bearing: 060° N60E 1067mils True (±10°)
Elevation Angle: -11.5°
Horizon Angle: -00.6°
Zoom: 0.5X



Photograph 1

Date: August 1, 2023

Description: View of release extent during delineation activities. Facing East.

Date & Time: Tue, Aug 01, 2023 at 11:43:38 MDT
Position: 032.108473° N / 103.553141° W (±15.5ft)
Altitude: 3363ft (±11.1ft)
Datum: WGS-84
Azimuth/Bearing: 216° S36W 3840mils True (±10°)
Elevation Angle: -15.5°
Horizon Angle: -00.9°
Zoom: 0.5X



Photograph 1

Date: August 1, 2023

Description: View of release extent during delineation activities. Facing West.



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



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

August 09, 2023

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: ROJO 7811 27 FEDERAL COM 13H

Enclosed are the results of analyses for samples received by the laboratory on 08/02/23 15:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/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
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | ROJO 7811 27 FEDERAL COM 13H | Sampling Condition: | Cool & Intact |
| Project Number: | 03C2012045 | Sample Received By: | Tamara Oldaker |
| Project Location: | BTA | | |

Sample ID: BH 01 A 1' (H234093-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.025 | 0.025 | 08/08/2023 | ND | 2.08 | 104 | 2.00 | 2.45 | | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.99 | 99.7 | 2.00 | 2.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.02 | 101 | 2.00 | 1.57 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.06 | 101 | 6.00 | 1.70 | | |
| Total BTEX | <0.275 | 0.275 | 08/08/2023 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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 | 08/07/2023 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH TX1005 | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 08/07/2023 | ND | 165 | 82.4 | 200 | 5.29 | |
| DRO >C12-C28 | <25.0 | 25.0 | 08/07/2023 | ND | 151 | 75.5 | 200 | 6.43 | |
| DRO >C28-C35 | <25.0 | 25.0 | 08/07/2023 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 08/07/2023 | ND | 317 | 79.2 | 400 | 5.80 | |

Surrogate: 1-Chlorooctane 83.8 % 44.9-134

Surrogate: 1-Chlorooctadecane 84.8 % 41.4-161

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
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | ROJO 7811 27 FEDERAL COM 13H | Sampling Condition: | Cool & Intact |
| Project Number: | 03C2012045 | Sample Received By: | Tamara Oldaker |
| Project Location: | BTA | | |

Sample ID: BH 01 C 3' (H234093-02)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 08/08/2023 | ND | 2.08 | 104 | 2.00 | 2.45 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.99 | 99.7 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.02 | 101 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.06 | 101 | 6.00 | 1.70 | |
| Total BTEX | <0.275 | 0.275 | 08/08/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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 | 48.0 | 16.0 | 08/07/2023 | ND | 432 | 108 | 400 | 0.00 | |

| TPH TX1005 | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 08/07/2023 | ND | 154 | 77.2 | 200 | 1.31 | |
| DRO >C12-C28 | <25.0 | 25.0 | 08/07/2023 | ND | 174 | 87.1 | 200 | 2.17 | |
| DRO >C28-C35 | <25.0 | 25.0 | 08/07/2023 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 08/07/2023 | ND | 331 | 82.8 | 400 | 1.74 | |

Surrogate: 1-Chlorooctane 95.0 % 44.9-134

Surrogate: 1-Chlorooctadecane 104 % 41.4-161

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | ROJO 7811 27 FEDERAL COM 13H | Sampling Condition: | Cool & Intact |
| Project Number: | 03C2012045 | Sample Received By: | Tamara Oldaker |
| Project Location: | BTA | | |

Sample ID: BH 02 A 1' (H234093-03)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 08/08/2023 | ND | 2.08 | 104 | 2.00 | 2.45 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.99 | 99.7 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.02 | 101 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.06 | 101 | 6.00 | 1.70 | |
| Total BTEX | <0.275 | 0.275 | 08/08/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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 | 128 | 16.0 | 08/07/2023 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH TX1005 | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 08/07/2023 | ND | 154 | 77.2 | 200 | 1.31 | |
| DRO >C12-C28 | <25.0 | 25.0 | 08/07/2023 | ND | 174 | 87.1 | 200 | 2.17 | |
| DRO >C28-C35 | <25.0 | 25.0 | 08/07/2023 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 08/07/2023 | ND | 331 | 82.8 | 400 | 1.74 | |

Surrogate: 1-Chlorooctane 101 % 44.9-134

Surrogate: 1-Chlorooctadecane 110 % 41.4-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 08/02/2023 | Sampling Date: | 08/01/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | ROJO 7811 27 FEDERAL COM 13H | Sampling Condition: | Cool & Intact |
| Project Number: | 03C2012045 | Sample Received By: | Tamara Oldaker |
| Project Location: | BTA | | |

Sample ID: BH 02 D 4' (H234093-04)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 08/08/2023 | ND | 2.08 | 104 | 2.00 | 2.45 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.99 | 99.7 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.02 | 101 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.06 | 101 | 6.00 | 1.70 | |
| Total BTEX | <0.275 | 0.275 | 08/08/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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 | 320 | 16.0 | 08/07/2023 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH TX1005 | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 08/07/2023 | ND | 154 | 77.2 | 200 | 1.31 | |
| DRO >C12-C28 | <25.0 | 25.0 | 08/07/2023 | ND | 174 | 87.1 | 200 | 2.17 | |
| DRO >C28-C35 | <25.0 | 25.0 | 08/07/2023 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 08/07/2023 | ND | 331 | 82.8 | 400 | 1.74 | |

Surrogate: 1-Chlorooctane 94.1 % 44.9-134

Surrogate: 1-Chlorooctadecane 99.9 % 41.4-161

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 08/02/2023 | Sampling Date: | 08/02/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | ROJO 7811 27 FEDERAL COM 13H | Sampling Condition: | Cool & Intact |
| Project Number: | 03C2012045 | Sample Received By: | Tamara Oldaker |
| Project Location: | BTA | | |

Sample ID: BH 03 .5' (H234093-05)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 08/08/2023 | ND | 2.08 | 104 | 2.00 | 2.45 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.99 | 99.7 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.02 | 101 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.06 | 101 | 6.00 | 1.70 | |
| Total BTEX | <0.275 | 0.275 | 08/08/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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 | 32.0 | 16.0 | 08/07/2023 | ND | 432 | 108 | 400 | 0.00 | |

| TPH TX1005 | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 08/07/2023 | ND | 154 | 77.2 | 200 | 1.31 | |
| DRO >C12-C28 | <25.0 | 25.0 | 08/07/2023 | ND | 174 | 87.1 | 200 | 2.17 | |
| DRO >C28-C35 | <25.0 | 25.0 | 08/07/2023 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 08/07/2023 | ND | 331 | 82.8 | 400 | 1.74 | |

Surrogate: 1-Chlorooctane 96.8 % 44.9-134

Surrogate: 1-Chlorooctadecane 105 % 41.4-161

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 08/02/2023 | Sampling Date: | 08/02/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | ROJO 7811 27 FEDERAL COM 13H | Sampling Condition: | Cool & Intact |
| Project Number: | 03C2012045 | Sample Received By: | Tamara Oldaker |
| Project Location: | BTA | | |

Sample ID: BH 03 A 1' (H234093-06)

| BTEx 8021B | | | mg/kg | | | | | | | |
|----------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.025 | 0.025 | 08/08/2023 | ND | 2.08 | 104 | 2.00 | 2.45 | | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.99 | 99.7 | 2.00 | 2.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.02 | 101 | 2.00 | 1.57 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.06 | 101 | 6.00 | 1.70 | | |
| Total BTEX | <0.275 | 0.275 | 08/08/2023 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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 | 48.0 | 16.0 | 08/07/2023 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH TX1005 | | | mg/kg | | | | | | | |
|-------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C12 | <25.0 | 25.0 | 08/07/2023 | ND | 154 | 77.2 | 200 | 1.31 | | |
| DRO >C12-C28 | <25.0 | 25.0 | 08/07/2023 | ND | 174 | 87.1 | 200 | 2.17 | | |
| DRO >C28-C35 | <25.0 | 25.0 | 08/07/2023 | ND | | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 08/07/2023 | ND | 331 | 82.8 | 400 | 1.74 | | |

Surrogate: 1-Chlorooctane 91.1 % 44.9-134

Surrogate: 1-Chlorooctadecane 101 % 41.4-161

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 08/02/2023 | Sampling Date: | 08/02/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | ROJO 7811 27 FEDERAL COM 13H | Sampling Condition: | Cool & Intact |
| Project Number: | 03C2012045 | Sample Received By: | Tamara Oldaker |
| Project Location: | BTA | | |

Sample ID: BH 04 .5' (H234093-07)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 08/08/2023 | ND | 2.08 | 104 | 2.00 | 2.45 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.99 | 99.7 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.02 | 101 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.06 | 101 | 6.00 | 1.70 | |
| Total BTEX | <0.275 | 0.275 | 08/08/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 08/07/2023 | ND | 432 | 108 | 400 | 0.00 | |

| TPH TX1005 | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 08/07/2023 | ND | 154 | 77.2 | 200 | 1.31 | |
| DRO >C12-C28 | <25.0 | 25.0 | 08/07/2023 | ND | 174 | 87.1 | 200 | 2.17 | |
| DRO >C28-C35 | <25.0 | 25.0 | 08/07/2023 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 08/07/2023 | ND | 331 | 82.8 | 400 | 1.74 | |

Surrogate: 1-Chlorooctane 89.3 % 44.9-134

Surrogate: 1-Chlorooctadecane 95.5 % 41.4-161

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 08/02/2023 | Sampling Date: | 08/02/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | ROJO 7811 27 FEDERAL COM 13H | Sampling Condition: | Cool & Intact |
| Project Number: | 03C2012045 | Sample Received By: | Tamara Oldaker |
| Project Location: | BTA | | |

Sample ID: BH 04 C 3' (H234093-08)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 08/08/2023 | ND | 2.08 | 104 | 2.00 | 2.45 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.99 | 99.7 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.02 | 101 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.06 | 101 | 6.00 | 1.70 | |
| Total BTEX | <0.275 | 0.275 | 08/08/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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 | 48.0 | 16.0 | 08/07/2023 | ND | 432 | 108 | 400 | 0.00 | |

| TPH TX1005 | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 08/07/2023 | ND | 154 | 77.2 | 200 | 1.31 | |
| DRO >C12-C28 | <25.0 | 25.0 | 08/07/2023 | ND | 174 | 87.1 | 200 | 2.17 | |
| DRO >C28-C35 | <25.0 | 25.0 | 08/07/2023 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 08/07/2023 | ND | 331 | 82.8 | 400 | 1.74 | |

Surrogate: 1-Chlorooctane 98.6 % 44.9-134

Surrogate: 1-Chlorooctadecane 106 % 41.4-161

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 08/02/2023 | Sampling Date: | 08/02/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | ROJO 7811 27 FEDERAL COM 13H | Sampling Condition: | Cool & Intact |
| Project Number: | 03C2012045 | Sample Received By: | Tamara Oldaker |
| Project Location: | BTA | | |

Sample ID: BH 05 .5' (H234093-09)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.025 | 0.025 | 08/08/2023 | ND | 2.08 | 104 | 2.00 | 2.45 | | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.99 | 99.7 | 2.00 | 2.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.02 | 101 | 2.00 | 1.57 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.06 | 101 | 6.00 | 1.70 | | |
| Total BTEX | <0.275 | 0.275 | 08/08/2023 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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 | 08/07/2023 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH TX1005 | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 08/07/2023 | ND | 154 | 77.2 | 200 | 1.31 | |
| DRO >C12-C28 | <25.0 | 25.0 | 08/07/2023 | ND | 174 | 87.1 | 200 | 2.17 | |
| DRO >C28-C35 | <25.0 | 25.0 | 08/07/2023 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 08/07/2023 | ND | 331 | 82.8 | 400 | 1.74 | |

Surrogate: 1-Chlorooctane 93.3 % 44.9-134

Surrogate: 1-Chlorooctadecane 99.4 % 41.4-161

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 08/02/2023 | Sampling Date: | 08/02/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | ROJO 7811 27 FEDERAL COM 13H | Sampling Condition: | Cool & Intact |
| Project Number: | 03C2012045 | Sample Received By: | Tamara Oldaker |
| Project Location: | BTA | | |

Sample ID: BH 05 A 1' (H234093-10)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 08/08/2023 | ND | 2.08 | 104 | 2.00 | 2.45 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.99 | 99.7 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.02 | 101 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.06 | 101 | 6.00 | 1.70 | |
| Total BTEX | <0.275 | 0.275 | 08/08/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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 | 08/07/2023 | ND | 432 | 108 | 400 | 0.00 | |

| TPH TX1005 | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 08/07/2023 | ND | 154 | 77.2 | 200 | 1.31 | |
| DRO >C12-C28 | <25.0 | 25.0 | 08/07/2023 | ND | 174 | 87.1 | 200 | 2.17 | |
| DRO >C28-C35 | <25.0 | 25.0 | 08/07/2023 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 08/07/2023 | ND | 331 | 82.8 | 400 | 1.74 | |

Surrogate: 1-Chlorooctane 101 % 44.9-134

Surrogate: 1-Chlorooctadecane 108 % 41.4-161

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

| | |
|------|--|
| BS-3 | Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

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

Celey D. Keene, Lab Director/Quality Manager

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

Page 13 of 13



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

August 09, 2023

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: ROJO 7811 27 FEDERAL COM 13H

Enclosed are the results of analyses for samples received by the laboratory on 08/02/23 15:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 08/02/2023 | Sampling Date: | 08/02/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | ROJO 7811 27 FEDERAL COM 13H | Sampling Condition: | Cool & Intact |
| Project Number: | 03C2012045 | Sample Received By: | Tamara Oldaker |
| Project Location: | BTA | | |

Sample ID: SS 01 .5' (H234094-01)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.025 | 0.025 | 08/08/2023 | ND | 2.08 | 104 | 2.00 | 2.45 | | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.99 | 99.7 | 2.00 | 2.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.02 | 101 | 2.00 | 1.57 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.06 | 101 | 6.00 | 1.70 | | |
| Total BTEx | <0.275 | 0.275 | 08/08/2023 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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 | 08/07/2023 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH TX1005 | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 08/08/2023 | ND | 154 | 77.2 | 200 | 1.31 | |
| DRO >C12-C28 | <25.0 | 25.0 | 08/08/2023 | ND | 174 | 87.1 | 200 | 2.17 | |
| DRO >C28-C35 | <25.0 | 25.0 | 08/08/2023 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 08/08/2023 | ND | 331 | 82.8 | 400 | 1.74 | |

Surrogate: 1-Chlorooctane 109 % 44.9-134

Surrogate: 1-Chlorooctadecane 117 % 41.4-161

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 08/02/2023 | Sampling Date: | 08/02/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | ROJO 7811 27 FEDERAL COM 13H | Sampling Condition: | Cool & Intact |
| Project Number: | 03C2012045 | Sample Received By: | Tamara Oldaker |
| Project Location: | BTA | | |

Sample ID: SS 02 .5' (H234094-02)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.025 | 0.025 | 08/08/2023 | ND | 2.08 | 104 | 2.00 | 2.45 | | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.99 | 99.7 | 2.00 | 2.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.02 | 101 | 2.00 | 1.57 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.06 | 101 | 6.00 | 1.70 | | |
| Total BTEX | <0.275 | 0.275 | 08/08/2023 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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 | 08/07/2023 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH TX1005 | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 08/08/2023 | ND | 154 | 77.2 | 200 | 1.31 | |
| DRO >C12-C28 | <25.0 | 25.0 | 08/08/2023 | ND | 174 | 87.1 | 200 | 2.17 | |
| DRO >C28-C35 | <25.0 | 25.0 | 08/08/2023 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 08/08/2023 | ND | 331 | 82.8 | 400 | 1.74 | |

Surrogate: 1-Chlorooctane 99.2 % 44.9-134

Surrogate: 1-Chlorooctadecane 105 % 41.4-161

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 08/02/2023 | Sampling Date: | 08/02/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | ROJO 7811 27 FEDERAL COM 13H | Sampling Condition: | Cool & Intact |
| Project Number: | 03C2012045 | Sample Received By: | Tamara Oldaker |
| Project Location: | BTA | | |

Sample ID: SS 03 .5' (H234094-03)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.025 | 0.025 | 08/08/2023 | ND | 2.08 | 104 | 2.00 | 2.45 | | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.99 | 99.7 | 2.00 | 2.50 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.02 | 101 | 2.00 | 1.57 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.06 | 101 | 6.00 | 1.70 | | |
| Total BTEX | <0.275 | 0.275 | 08/08/2023 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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 | 08/07/2023 | ND | 432 | 108 | 400 | 0.00 | |

| TPH TX1005 | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 08/08/2023 | ND | 154 | 77.2 | 200 | 1.31 | |
| DRO >C12-C28 | <25.0 | 25.0 | 08/08/2023 | ND | 174 | 87.1 | 200 | 2.17 | |
| DRO >C28-C35 | <25.0 | 25.0 | 08/08/2023 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 08/08/2023 | ND | 331 | 82.8 | 400 | 1.74 | |

Surrogate: 1-Chlorooctane 97.9 % 44.9-134

Surrogate: 1-Chlorooctadecane 106 % 41.4-161

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ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 08/02/2023 | Sampling Date: | 08/02/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | ROJO 7811 27 FEDERAL COM 13H | Sampling Condition: | Cool & Intact |
| Project Number: | 03C2012045 | Sample Received By: | Tamara Oldaker |
| Project Location: | BTA | | |

Sample ID: SS 04 .5' (H234094-04)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 08/08/2023 | ND | 2.08 | 104 | 2.00 | 2.45 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.99 | 99.7 | 2.00 | 2.50 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.02 | 101 | 2.00 | 1.57 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 6.06 | 101 | 6.00 | 1.70 | |
| Total BTEX | <0.275 | 0.275 | 08/08/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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 | 08/08/2023 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH TX1005 | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 08/08/2023 | ND | 154 | 77.2 | 200 | 1.31 | |
| DRO >C12-C28 | <25.0 | 25.0 | 08/08/2023 | ND | 174 | 87.1 | 200 | 2.17 | |
| DRO >C28-C35 | <25.0 | 25.0 | 08/08/2023 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 08/08/2023 | ND | 331 | 82.8 | 400 | 1.74 | |

Surrogate: 1-Chlorooctane 103 % 44.9-134

Surrogate: 1-Chlorooctadecane 112 % 41.4-161

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ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 08/02/2023 | Sampling Date: | 08/02/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | ROJO 7811 27 FEDERAL COM 13H | Sampling Condition: | Cool & Intact |
| Project Number: | 03C2012045 | Sample Received By: | Tamara Oldaker |
| Project Location: | BTA | | |

Sample ID: SS 05 .5' (H234094-05)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.025 | 0.025 | 08/08/2023 | ND | 2.20 | 110 | 2.00 | 1.05 | | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.10 | 105 | 2.00 | 1.54 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.98 | 99.2 | 2.00 | 1.76 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 5.94 | 99.0 | 6.00 | 2.36 | | |
| Total BTEX | <0.275 | 0.275 | 08/08/2023 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 71.5-134

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 08/08/2023 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH TX1005 | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 08/08/2023 | ND | 154 | 77.2 | 200 | 1.31 | |
| DRO >C12-C28 | <25.0 | 25.0 | 08/08/2023 | ND | 174 | 87.1 | 200 | 2.17 | |
| DRO >C28-C35 | <25.0 | 25.0 | 08/08/2023 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 08/08/2023 | ND | 331 | 82.8 | 400 | 1.74 | |

Surrogate: 1-Chlorooctane 101 % 44.9-134

Surrogate: 1-Chlorooctadecane 109 % 41.4-161

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Analytical Results For:

ENSOLUM, LLC
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 08/02/2023 | Sampling Date: | 08/02/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | ROJO 7811 27 FEDERAL COM 13H | Sampling Condition: | Cool & Intact |
| Project Number: | 03C2012045 | Sample Received By: | Tamara Oldaker |
| Project Location: | BTA | | |

Sample ID: SS 06 .5' (H234094-06)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 08/08/2023 | ND | 2.20 | 110 | 2.00 | 1.05 | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.10 | 105 | 2.00 | 1.54 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.98 | 99.2 | 2.00 | 1.76 | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 5.94 | 99.0 | 6.00 | 2.36 | |
| Total BTEX | <0.275 | 0.275 | 08/08/2023 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 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 | 08/08/2023 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH TX1005 | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 08/08/2023 | ND | 154 | 77.2 | 200 | 1.31 | |
| DRO >C12-C28 | <25.0 | 25.0 | 08/08/2023 | ND | 174 | 87.1 | 200 | 2.17 | |
| DRO >C28-C35 | <25.0 | 25.0 | 08/08/2023 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 08/08/2023 | ND | 331 | 82.8 | 400 | 1.74 | |

Surrogate: 1-Chlorooctane 107 % 44.9-134

Surrogate: 1-Chlorooctadecane 115 % 41.4-161

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
 HADLIE GREEN
 705 W WADLEY AVE.
 MIDLAND TX, 79705
 Fax To:

| | | | |
|-------------------|------------------------------|---------------------|----------------|
| Received: | 08/02/2023 | Sampling Date: | 08/02/2023 |
| Reported: | 08/09/2023 | Sampling Type: | Soil |
| Project Name: | ROJO 7811 27 FEDERAL COM 13H | Sampling Condition: | Cool & Intact |
| Project Number: | 03C2012045 | Sample Received By: | Tamara Oldaker |
| Project Location: | BTA | | |

Sample ID: SS 07 .5' (H234094-07)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.025 | 0.025 | 08/08/2023 | ND | 2.20 | 110 | 2.00 | 1.05 | | |
| Toluene* | <0.050 | 0.050 | 08/08/2023 | ND | 2.10 | 105 | 2.00 | 1.54 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/08/2023 | ND | 1.98 | 99.2 | 2.00 | 1.76 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/08/2023 | ND | 5.94 | 99.0 | 6.00 | 2.36 | | |
| Total BTEX | <0.275 | 0.275 | 08/08/2023 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 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 | 08/08/2023 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH TX1005 | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 08/08/2023 | ND | 154 | 77.2 | 200 | 1.31 | |
| DRO >C12-C28 | <25.0 | 25.0 | 08/08/2023 | ND | 174 | 87.1 | 200 | 2.17 | |
| DRO >C28-C35 | <25.0 | 25.0 | 08/08/2023 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 08/08/2023 | ND | 331 | 82.8 | 400 | 1.74 | |

Surrogate: 1-Chlorooctane 105 % 44.9-134

Surrogate: 1-Chlorooctadecane 113 % 41.4-161

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

Released to Imaging: 9/19/2023 3:57:55 PM



APPENDIX E

Final C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

| | |
|----------------|---------------|
| Incident ID | NCH1834763224 |
| District RP | 1RP-5274 |
| Facility ID | |
| Application ID | pCH1834763495 |

Release Notification

Responsible Party

| | | | |
|-------------------------|-----------------------------------|-------------------|--------------------------------|
| Responsible Party | BTA Oil Producers | OGRID | 260297 |
| Contact Name | Ben Grimes | Contact Telephone | 432-682-3753 |
| Contact email | bgrimes@btaoil.com | Incident # | NCH1834763224 ROJO 7811 27 |
| Contact mailing address | 104 S. Pecos St. Midland, TX 7970 | | FEDERAL COM 13H @ 30-025-44296 |

Location of Release Source

Latitude 32.108100 Longitude 103.552960
(NAD 83 in decimal degrees to 5 decimal places)

| | | | |
|-------------------------|---|----------------------|--------------|
| Site Name | Rojo 7811 27 Federal Com 13H (Closest Well) | Site Type | Tank Battery |
| Date Release Discovered | 11/13/2018 | API# (if applicable) | 30-025-44296 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| A NENE | 27 | 25S | 33E | Lea |

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: KAML Limited)

Nature and Volume of Release

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

| | | |
|--|--|---|
| <input type="checkbox"/> Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 30 bbl | Volume Recovered (bbls) 0 |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No not known at this time |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release

This morning around 5am NM time, the seal on the diesel transfer pump blew out. spilled approximately 30 bbl. of produced water behind the battery. None was contained. Called Vac truck to pick up what could but most had soaked into soil.

Form C-141

Page 2

State of New Mexico
Oil Conservation Division

| | |
|----------------|---------------|
| Incident ID | NCH1834763224 |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|---|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? NMOCD rules states 25 or more BBLs constitutes a major release and this was approx. 30 BBL |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc.)? | |

Initial Response

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

| | |
|--|---|
| <input checked="" type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. | |
| If all the actions described above have <u>not</u> been undertaken, explain why: The area that the spill occurred is only accessible to a certain point before the flowlines and equipment is in the way. All liquid has absorbed into ground. | |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | |
| Printed Name: <u>Ben Grimes</u> Signature: <u>Ben Grimes</u> email: <u>BGrimes@PTAOL.com</u> | Title: <u>Production Manager</u> Date: <u>11/15/2018</u> Telephone: <u>432-682-3753</u> |
| <u>OCD Only</u> Received by: _____ Date: _____ | |

Rojo 10-13 Battery (BTA Oil Producers)

Legend

Rojo 10-13 Battery

Map Legend
Sp1 - Source
Blueout Line-Spill Area
Sq Ft. - 6, 145.75

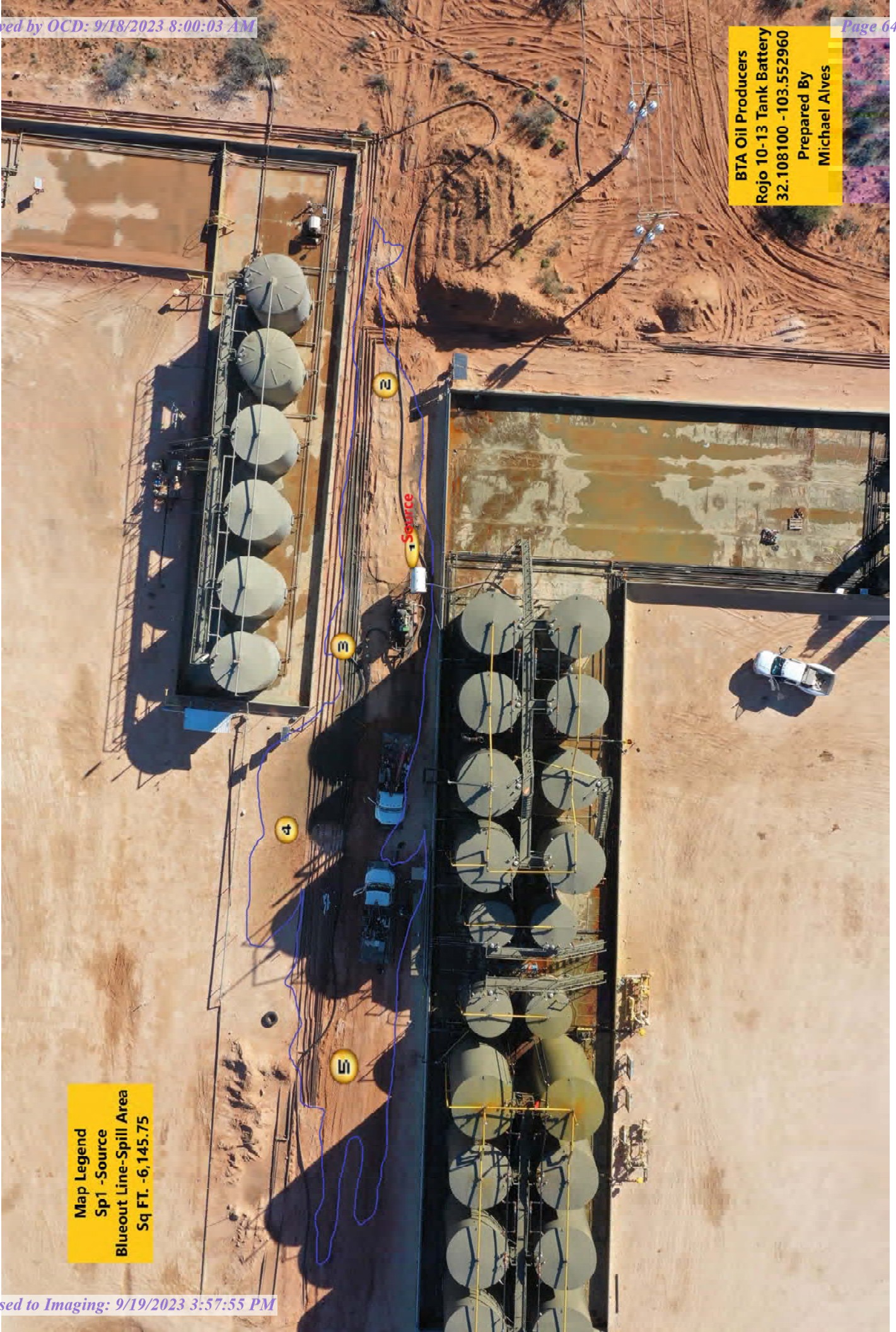
BTA Oil Producers
Rojo 10-13 Tank Battery
32.108100 - 103.552960
Prepared By
Michael Alves

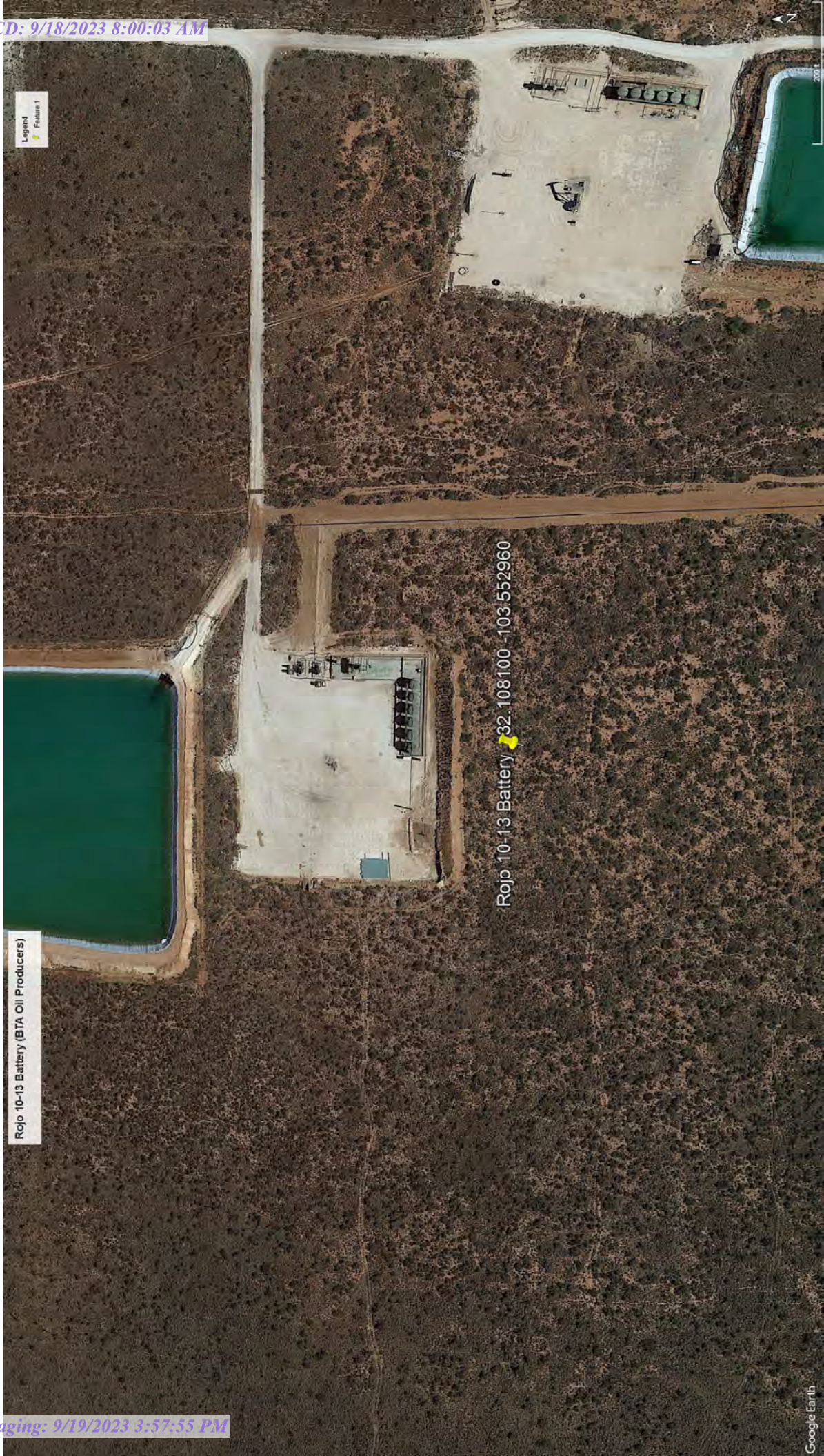
Rojo 10-13 Battery 32.108100 - 103.552960



BTA Oil Producers
Rojo 10-13 Tank Battery
32.108100 - 103.552960
Prepared By
Michael Alves

Map Legend
Sp1 -Source
Blueout Line-Spill Area
Sq FT. -6,145.75





Rojo 10-13 Battery (BTA Oil Producers)

Rojo 10-13 Battery 32.108100 -103.552960

Legend
Feature 1

| | |
|----------------|---------------|
| Incident ID | NCH1834763224 |
| District RP | |
| Facility ID | |
| Application ID | |

Site Assessment/Characterization

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

| | |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release? | >60 _____ (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☐ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody


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

State of New Mexico
Oil Conservation Division

| | |
|----------------|---------------|
| Incident ID | NCH1834763224 |
| District RP | 1RP-5274 |
| Facility ID | |
| Application ID | pCH1834763495 |

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kelton Beaird Title: Environmental Manager

Signature:  Date: 9/14/2023

email: KBeaird@btaoil.com Telephone: 432-312-2203

OCD Only

Received by: _____ Date: _____

| | |
|----------------|---------------|
| Incident ID | NCH1834763224 |
| District RP | 1RP-5274 |
| Facility ID | |
| Application ID | pCH1834763495 |

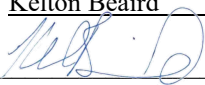
Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Kelton Beaird Title: Environmental Manager
Signature:  Date: 9/14/2023
email: KBeaird@btaoil.com Telephone: 432-312-2203

OCD Only

Received by: OCD Date: 09/18/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 09/19/2023
Printed Name: Ashley Maxwell Title: Environmental Specialist

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 266129

CONDITIONS

| | |
|---|---|
| Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701 | OGRID: 260297 |
| | Action Number: 266129 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| | | |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| amaxwell | None | 9/19/2023 |