

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: Revised Remediation Work Plan

Mesa 8105 JV-P 013H

Incident Numbers NCH1835547953, NAB1906552791, and NAB1906551740

Lea County, New Mexico

### To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of BTA Oil Producers, LLC (BTA), has prepared the following Revised Remediation Work Plan (Revised Work Plan) as a follow up to the original Remediation Work Plan (Work Plan) dated September 25, 2019. This Revised Work Plan proposes to complete additional delineation activities at the Mesa 8105 JV-P 013H (Site) in response to the denial of the original Work Plan by the New Mexico Oil Conservation Division (NMOCD). In the denial, NMOCD indicated that the the impacted soil left in place had not been properly delineated. The following Revised Work Plan proposes full lateral and vertical delineation of the impacted soil left in place.

### SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit P, Section 1, Township 26 South, Range 32 East, in Lea County, New Mexico (32.06584°, -103.62410°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On November 24, 2018, a malfunction on a compressor caused the slop tank to overflow. Approximately 20 barrels (bbls) of produced water and 10 bbls of condensate were released. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 5 bbls of produced water and 5 bbls of condensate were recovered. BTA reported the release to the NMOCD on a Release Notification Form C-141 (Form C-141) on November 26, 2018. The release was assigned Remediation Permit Number (RP) Number 2RP-5289 and Incident Number NCH1835547953.

On February 8, 2019, an equipment failure on a compressor caused the slop tank to overflow. Approximately 18 bbls of crude oil were released. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 18 bbls of crude oil were recovered. BTA reported the release to the NMOCD on a Form C-141 on February 22, 2019. The release was assigned RP Number 2RP-5383 and Incident Number NAB1906552791.

On February 9, 2019, the same equipment failure occurred on the compressor and caused the slop tank to overflow again. Approximately 18 bbls of crude oil were released. A vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 18 bbls of crude oil were recovered. BTA reported

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parks Highway | Carlsbad, New Mexico 88220 | ensolum.com

BTA Oil Producers, LLC Revised Remediation Work Plan Mesa 8105 JV-P 013H

the release to the NMOCD on a Form C-141 on February 22, 2019. The release was assigned RP Number 2RP-5383 and Incident Number NAB1906551740.

## 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, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on the Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 55 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-04485, located approximately 0.5 miles southwest of the Site. The well was drilled to a depth of 55 feet during October 2020, and no groundwater was encountered. All wells used for depth to groundwater determination are depicted on Figure 1 and the referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 380 feet southwest 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 (medium 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:

- 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

### **BACKGROUND**

Between November 2018 and August 2019, delineation and excavation activities were conducted at the Site to address the impacted soil resulting from the three slop tank overflow releases into an area of active production equipment. Impacted soil was excavated to a depth of 2 feet bgs around the active compressors and production equipment, and beneath the surface lines. A total of approximately 128 cubic yards of impacted soil were exavated. However, impacted soil was left in place immediately adjacent to and beneath the active compressors and production equipment where remediation would cause a major facility deconstruction. Impacted soil within the release extent was vertically delineated to below the most stringent Table I Closure Criteria. Delineation sample points SP1 and SP2 confirmed that impacted soil did not extend deeper than 4 feet bgs. The excavation extent and delineation soil sample locations are presented on the attached Figure 2. The laboratory analytical results are summarized in the attached Table 1. There was limited area to continue deeper excavation due to two compressors, two vertical separator vessels, hard-piped gas meter runs, high-pressure gas lines, and buried electrical lines within the release area. A *Work Plan* was submitted to NMOCD on September 25, 2019, proposing to defer the impacted soil left in place and install a 20 mil impermeable liner in the base



BTA Oil Producers, LLC Revised Remediation Work Plan Mesa 8105 JV-P 013H

of the 2-foot excavation prior to backfilling. Additional details can be referenced in the original *Work Plan*, submitted to NMOCD on September 25, 2019.

On December 11, 2019, NMOCD denied the *Work Plan* for Incident Numbers NCH1835547953, NAB1906552791, and NAB1906551740 for the following reasons:

• The OCD can't approve this remediation plan because there aren't enough soil sample points in the spill area. Looking at the analytical table, SP1 and SP2 have the first clean sample points for TPH at 4' bgs and have only been excavated to 1' bgs. The areas that prevent further excavation because of the compressors, installed production equipment, lines, and rock refusal will need to be delineated with lab tested soil samples to quantify the amount of contaminated soil left in place. These samples will need to be included in a formal deferral request, once the rest of the excavation is delineated and excavated. The entire spill will not be deferred, please use a hydrovac to remove contaminated soil in places that can be excavated.

### PROPOSED REMEDIATION WORKPLAN

Upon review of the September 25, 2019, *Work Plan,* it was noted that impacted soil was excavated to a depth of 2 feet bgs not 1-foot bgs as described in the denial language. Additionally, upon review of the 2018/2019 site photographs, it appears that impacted soil was excavated as close as possible to the active compressors and production equipment, including areas beneath surface lines. Additional excavation does not appear to be safely practical. A photographic log of the 2018/2019 excavation activities is provided in Appendix B along with photos from May 2023 showing the backfilled excavation area. BTA agrees that the delineation activities completed in 2019 were not adequate for deferral of the impacted soil left in place. As such, BTA requests approval to complete the following additional remediation activities:

- Full lateral and vertical delineation the impacted soil that was left in-place.
  - Boreholes will be advanced via hand auger outside of the historical release/excavation extent to determine the lateral extent of the impacted soil that was left in place and confirm the horizontal extent of the surface release.
  - o Boreholes will be advanced via hand auger within the historical release/excavation extent to confirm removal of the top two feet of impacted soil, determine if a liner was installed prior to backfilling the excavation, and confirm the vertical extent of the impacted soil that was left in place.
  - Soil from the boreholes will be field screened at 1-foot intervals for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Field screening results and observations will be logged on lithologic/soil sampling logs. Two delineation samples from each borehole will be submitted for laboratory analysis; the sample with the highest field screening result and the sample from the final borehole depth.
    - Final depth of the boreholes will be determined by field screening results indicating compliance with the Site Closure Criteria. In the absence of elevated field screening results, the boreholes will be advanced to a depth of 4 feet bgs.
    - If a liner is encountered in the boreholes, the liner will be patched/repaired following vertical delineation activities.
  - The proposed borehole locations are shown on the attached Figure 3. Borehole locations may need to be adjusted slightly during field activities based on the location of underground utilities.



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- The delineation samples will be analyzed for 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 300.0.
- Upon completion of the lateral and vertical delineation activities and receipt of the laboratory analytical results, BTA will prepare a *Deferral Request* quantifying the volume of impacted soil left in place and requesting deferral until major well pad construction/alteration or final plugging and abandonment.

BTA will complete the delineation activities within 90 days of the date of approval of this *Revised Work Plan* by the NMOCD. BTA believes the scope of work described above meets the requirements set forth in 19.15.29.13 NMAC and is protective of human health, the environment, and groundwater. As such, BTA respectfully requests approval of this *Revised Work Plan* for Incident Numbers NCH1835547953, NAB1906552791, and NAB1906551740.

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

Sincerely,

Ensolum, LLC

Aimee Cole

**Senior Managing Scientist** 

Ashley A. Ager Ashley Ager, M.S., PG

Principal

cc: Kelton Beaird, BTA

Nathan Sirgo, BTA

Bureau of Land Management

### Appendices:

Figure 1 Site Location Map (2023)

Figure 2 Excavation Extent and Delineation Soil Sample Locations (2018/2019)

Figure 3 Proposed Delineation Soil Sample Locations (2023)

Table 1 Soil Sample Analytical Results (2018/2019)

Appendix A Referenced Well Records

Appendix B Photographic Log (2019/2023)

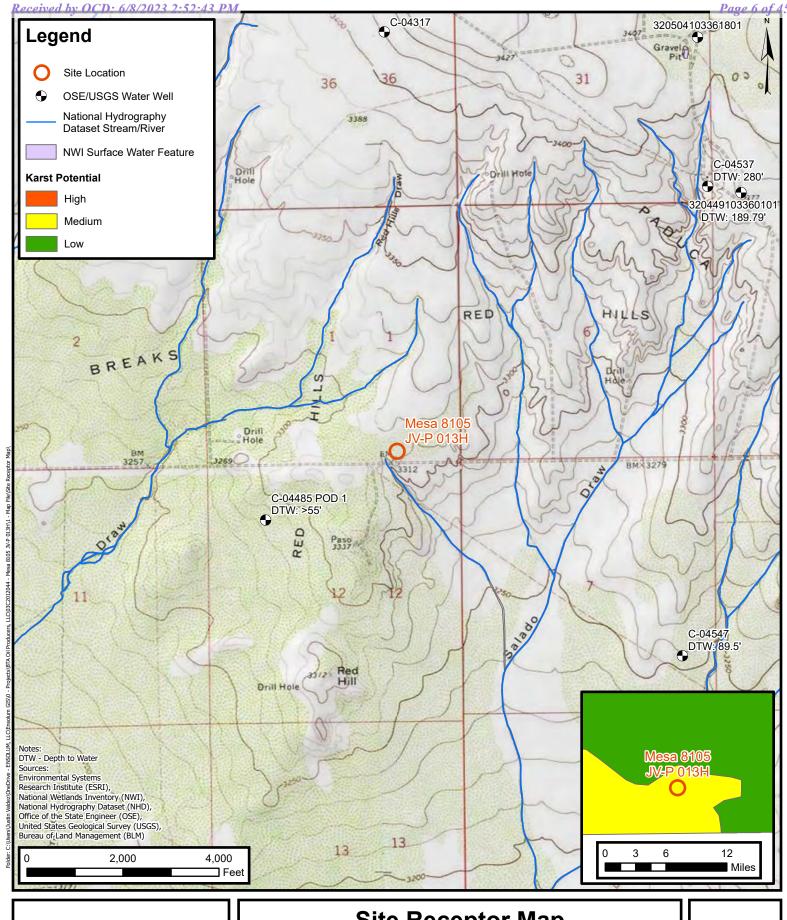
Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation (2019)

Appendix D Final C-141s





**FIGURES** 





# Site Receptor Map

BTA Oil Producers, LLC

Mesa 8105 JV-P 013H

Incident Number: NCH1835547953, NAB1906552791, and NAB1906551740

Unit P, Section 1, Township 26 South, Range 32 East

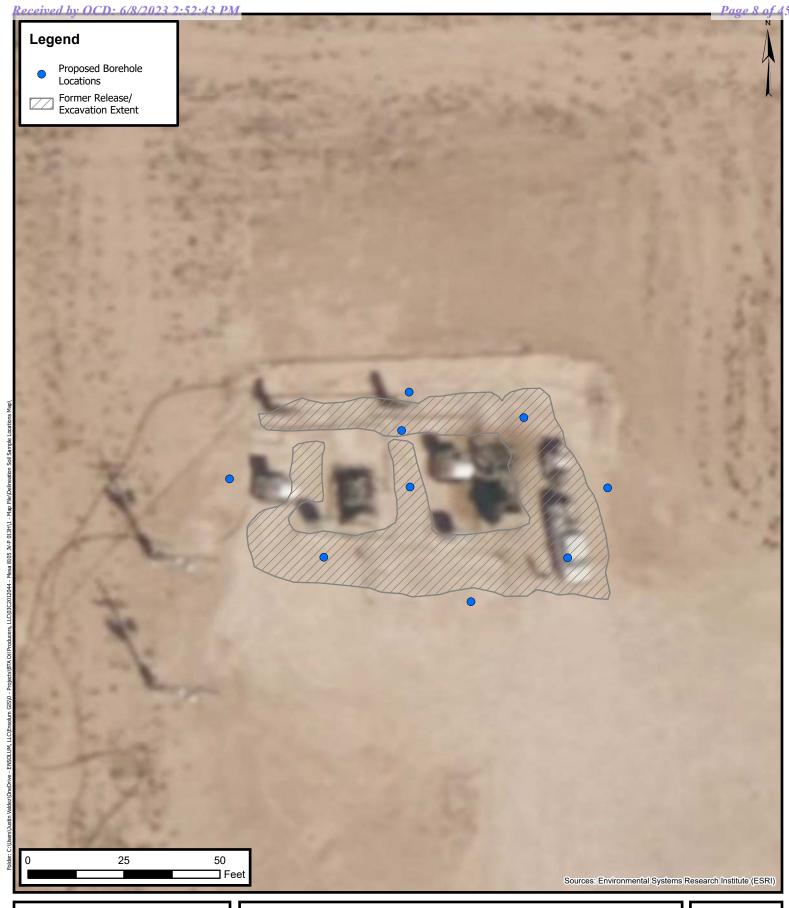
Lea County, New Mexico

FIGURE

Released to Imaging: 8/7/2023 10:22:30 AM

Figure 2 - Excavation Extent and Delineation Soil Sample Locations (2018/2019)







# **Proposed Delineation Soil Sample Locations**

BTA Oil Producers, LLC
Mesa 8105 JV-P 013H
Incident Number: NCH1835547953, NAB1906552791, and NAB1906551740
Unit P, Section 1, Township 26 South, Range 32 East
Lea County, New Mexico

FIGURE 3



**TABLES** 

Mesa 13/18 Compressor Slop Tank Release - November 24, 2018; February 8, 2019; and February 9, 2019 OCD Tracking #: 1RP-5289 and 1RP-5383

|          |         |                | Camada                        | Field Sc            | reening                        |                     |                      |                             |                 | Labor              | atory Resul        | ts                           |                             |                       |                       |                           |
|----------|---------|----------------|-------------------------------|---------------------|--------------------------------|---------------------|----------------------|-----------------------------|-----------------|--------------------|--------------------|------------------------------|-----------------------------|-----------------------|-----------------------|---------------------------|
| Location | Status  | Sample<br>Date | Sample<br>Depth<br>(feet BGS) | PID Result<br>(PPM) | Titration<br>Result<br>(mg/kg) | Chloride<br>(mg/kg) | Total TPH<br>(mg/kg) | TPH<br>GRO + DRO<br>(mg/kg) | BTEX<br>(mg/kg) | Benzene<br>(mg/kg) | Toluene<br>(mg/kg) | Ethyl-<br>benzene<br>(mg/kg) | Total<br>Xylenes<br>(mg/kg) | TPH<br>GRO<br>(mg/kg) | TPH<br>DRO<br>(mg/kg) | TPH<br>Ext DRO<br>(mg/kg) |
| SP1      | Removed | 11/25/18       | Surface                       | 15,000+             | 149                            |                     |                      |                             |                 |                    |                    |                              |                             |                       |                       |                           |
| SP1      | Removed | 11/25/18       | 1                             | 9,800               | 105                            |                     |                      |                             |                 |                    |                    |                              |                             |                       |                       |                           |
| SP1      | In Situ | 11/25/18       | 2                             | 12,300              | 98                             |                     |                      |                             |                 |                    |                    |                              |                             |                       |                       |                           |
| SP1      | In Situ | 8/23/19        | 2                             |                     |                                | 48                  | 22,422               | 16,532                      | 16.9            | 0.424              | 5.36               | 1.71                         | 9.36                        | 232                   | 16,300                | 5,890                     |
| SP1      | In Situ | 11/25/18       | 3                             | 1,700               | 174                            |                     |                      |                             |                 |                    |                    |                              |                             |                       |                       |                           |
| SP1      | In Situ | 8/23/19        | 4                             | 2.9                 | 98                             | 16                  | ND                   | ND                          | ND              | ND                 | ND                 | ND                           | ND                          | ND                    | ND                    | ND                        |
| SP1      | In Situ | 8/23/19        | 7                             | 0                   | 98                             | 32                  | ND                   | ND                          | ND              | ND                 | ND                 | ND                           | ND                          | ND                    | ND                    | ND                        |
| SP2      | Removed | 11/25/18       | Surface                       | 15,000+             | 1,149                          |                     |                      |                             |                 |                    |                    |                              |                             |                       |                       |                           |
| SP2      | Removed | 11/25/18       | 1                             | 8,547               | 549                            |                     |                      |                             |                 |                    |                    |                              |                             |                       |                       |                           |
| SP2      | In Situ | 11/25/18       | 2                             | 8,500               | 174                            |                     |                      |                             |                 |                    |                    |                              |                             |                       |                       |                           |
| SP2      | In Situ | 8/23/19        | 2                             |                     |                                | 16                  | 10,623               | 7,743                       | 3.47            | ND                 | 0.365              | 0.416                        | 2.69                        | 52.5                  | 7,690                 | 2,880                     |
| SP2      | In Situ | 11/25/18       | 3                             | 100                 | 98                             |                     |                      |                             |                 |                    |                    |                              |                             |                       |                       |                           |
| SP2      | In Situ | 8/23/19        | 4                             | 1.8                 | 105                            | ND                  | 10.1                 | ND                          | ND              | ND                 | ND                 | ND                           | ND                          | ND                    | ND                    | 10.1                      |
| SP2      | In Situ | 8/23/19        | 5                             | 0                   | 98                             | ND                  | ND                   | ND                          | ND              | ND                 | ND                 | ND                           | ND                          | ND                    | ND                    | ND                        |

## NMOCD Table 1 - Closure Criteria for Soils Impacted by a Release (19.15.29.12)

Minimum Depth to GW less than 10,000 mg/I TDS

| <= 50 <sup>'</sup> | 600    | 100   | -     | 50 | 10 |
|--------------------|--------|-------|-------|----|----|
| 51' - 100'         | 10,000 | 2,500 | 1,000 | 50 | 10 |
| >100'              | 20,000 | 2,500 | 1,000 | 50 | 10 |

### **Reporting Limits:**

Chloride: 16.0 mg/kg

Benzene, Toluene, Ethylbenzene: 0.050 mg/kg for each analyte

Total Xylenes: 0.150 mg/kg Total BTEX: 0.300 mg/kg

GRO (C6 - C10), DRO (>C10 - C28), Ext DRO (>C28 - C36): 10.0 mg/kg for each analyte



**APPENDIX A** 

Referenced Well Records



# WELL RECORD & LOG

# OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

|               | OD NO. (WE<br>) 448<br>OWNER NA | 5                             | OWL 362            | WELL TAG ID NO.<br>NA  |                   |                        | 4485                                  |                                      |                         |
|---------------|---------------------------------|-------------------------------|--------------------|--|-------------------|------------------------|---------------------------------------|--------------------------------------|-------------------------|
| KJ E          | NVIRONN                         | MENTAL                        |                    |  |                   | PHONE (OP<br>214-287-5 | Called the Control                    |                                      |                         |
| 500 M         | OWNER MA                        | ILING ADDRESS<br>Y ROAD       |                    |  |                   | CITY<br>CROSS RO       | OADS                                  | STATE TX 76227                       | ZIP                     |
| LOC           | VELL<br>CATION<br>DM GPS)       | LATITUDE                      | DEGREES<br>3548560 | MINUTES SE   | ECONDS N          | * ACCURAC              | Y REQUIRED: ONE TE                    |                                      |                         |
| DESCR         |                                 | LONGITUDE ATING WELL LOCATION | TO STREET ADDI     | RESS AND COMMON LAN  | W<br>DMARKS - PLS |                        | EQUIRED: WGS 84<br>DWNSHJIP, RANGE) W | HERE AVAILABLE                       |                         |
| LICENS        |                                 | NAME OF LICENS                |                    |  |                   |                        | NAME OF WELL D                        | RILLING COMPANY                      |                         |
|               | /D 1186                         |                               |                    | DNEY HAMMER  |                   |                        |                                       | VIRO-DRILL, INC.                     |                         |
|               | NG STARTED<br>/05/2020          | 10/06/2020                    | DEPTH OF CO        | MPLETED WELL (FT)  | BORE HOL          | E DEPTH (FT)           | DEPTH WATER FIL                       | RST ENCOUNTERED (F                   | n                       |
| COMPLE        | ETED WELL I                     | I Tim Collain                 | DRY HOL            | E SHALLOW (UN  | CONFINED)         | *                      | STATIC WATER LE                       | VEL IN COMPLETED W                   | ELL (FT)                |
| DRILLIN       | IG FLUID:                       | AIR                           | ☐ MUD              | ADDITIVES - SF   | PECIFY:           |                        |                                       |                                      |                         |
| DRILLIN       | G METHOD:                       | ROTARY                        | HAMMER             | CABLE TOOL   | XOTHER            | - SPECIFY: H           | SA                                    |                                      |                         |
| FROM          |                                 | DIAM<br>(inches)              | (include ea        | MATERIAL AND/OR<br>GRADE<br>ach casing string, and<br>actions of screen) | CAS               | SING<br>ECTION<br>PE   | CASING<br>INSIDE DIAM.<br>(inches)    | CASING WALL<br>THICKNESS<br>(inches) | SLOT<br>SIZE<br>(inches |
| 55            |                                 |                               | Scr                | een<br>ank   | FJT               |                        | 2"                                    | 2"                                   | -010                    |
| 45            | 0                               | 8"                            | BL                 | ank  | 11                |                        | 11                                    | 11                                   |                         |
|               |                                 |                               |                    |  | •                 |                        |                                       | 77 78 17                             | 1020                    |
|               |                                 |                               |                    |  |                   |                        |                                       | 1                                    | Nov 2                   |
|               |                                 |                               |                    |  |                   |                        |                                       | -                                    | 0                       |
| DEPTH<br>FROM | f (feet bgl)                    | BORE HOLE<br>DIAM. (inches)   |                    | ANNULAR SEAL MA<br>L PACK SIZE-RANGE                                     |                   |                        | AMOUNT<br>(cubic feet)                | METHOI<br>PLACEM                     |                         |
| 55            | 43                              | 8"                            | San                | d 10/20  |                   |                        | 10                                    | tremi                                | €.                      |
| ÝΙ            | 0                               | 8".                           | Gro                |  |                   |                        | ا 100 جما.                            | +                                    |                         |
| E INTER       | NAL USE                         | 99                            | N-32               | POD NO.  | T                 | WR-20 V                | 6933                                  | LOG (Version 06/30)                  |                         |

|                              | DEPTH (    | faat hall  |                     |  |  |                                   |                         |   |
|------------------------------|------------|------------|---------------------|--|--|-----------------------------------|-------------------------|---|
|                              | FROM       | TO         | THICKNESS<br>(feet) | COLOR AND TYPE OF MATE INCLUDE WATER-BEARING CAV (attach supplemental sheets to                            | TIES OR FRACTURE ZO  | ONES BEA                          | ATER<br>LRING?<br>S/NO) | YIELD FOR<br>WATER-<br>BEARING<br>ZONES (gpm) |
|                              | 0          | 10         |                     | Sand + ocano   | 1  | Y                                 | 0                       | (or)  |
|                              | 10         | 25         |                     | Sand + graver + cal  |  | Y                                 | 0                       |   |
|                              | 25         | 45         |                     | Caliche  | CHO  | Y                                 | Ø                       |   |
|                              | 45         | 55         |                     | Sandstone  |  | Y                                 | 8                       |   |
|                              |            |            |                     | musiene  |  | Y                                 | N                       |   |
| T                            |            |            |                     | 2.01   |  | Y                                 | N                       |   |
| WEI                          |            |            |                     |  |  | Y                                 | N                       |   |
| OF                           |            |            |                     |  | atters in the last of the last | Y                                 | N                       |   |
| 4. HYDROGEOLOGIC LOG OF WELL |            |            |                     |  |  | Y                                 | N                       |   |
| COL                          |            |            |                     |  |  | Y                                 | N                       |   |
| 100                          |            |            |                     |  | 1.01   | Y                                 | N                       |   |
| GEO                          |            | 3 - 17 -   |                     | Visiting .   |  | Y                                 | N                       |   |
| ORO                          |            |            | 7.                  |  |  | Y                                 | N                       |   |
| HYL                          |            |            |                     |  |  | Y                                 | N                       |   |
| 4                            |            |            |                     |  |  | Y                                 | N                       |   |
|                              |            |            |                     |  |  | Y                                 | N                       |   |
|                              |            |            |                     |  |  | Y                                 | N                       |   |
|                              |            |            |                     | - MANUAL - III   |  | Y                                 | N                       |   |
|                              |            |            |                     |  |  | Y                                 | N                       |   |
|                              |            |            |                     |  |  | Y                                 | N                       |   |
|                              |            |            |                     |  |  | Y                                 | N                       | E 0   |
|                              | METHOD US  |            |                     | DF WATER-BEARING STRATA:  BAILER OTHER - SPECIFY:  | 1100   | TOTAL ESTI                        |                         | 100.00  |
| 5. TEST; RIG SUPERVISION     | WELL TEST  | START      | TIME, END TIM       | CH A COPY OF DATA COLLECTED DUE, AND A TABLE SHOWING DISCHAR   | RING WELL TESTING,<br>GE AND DRAWDOWN (  | INCLUDING DISC<br>OVER THE TESTIF | CHARGE M                | ETHOD &                                       |
| EST; RIG                     | DDINT NAM  | E(E) OF DR | III. DIG GUREN      |  |  |                                   |                         | <i>r</i>                                      |
| 5. T                         | TRINI NAME | S(S) OF DR | LL KIG SUPERV       | VISOR(S) THAT PROVIDED ONSITE SU   | PERVISION OF WELL C  | ONSTRUCTION O                     | THER TH                 | AN LICENSEE:                                  |
| 6. SIGNATURE                 | CORRECTR   | RMIT HOL   | DER WITHIN 20       | ES THAT, TO THE BEST OF HIS OR HEI SCRIBED HOLE AND THAT HE OR SH DAYS AFTER COMPLETION OF WELL ROdney Ham | E WILL FILE THIS WELI<br>DRILLING:   | ELIEF, THE FOREAL RECORD WITH     | THE STAT                | E ENGINEER                                    |
|                              |            | SIGNATU    | RE OF DRILLER       | / PRINT SIGNEE NAME  |  |                                   | DATE                    |   |
|                              | OSE INTERN | AL USE     |                     |  | WR-20 V  | WELL RECORD &                     | LOG (Vers               | ion 06/30/2017)                               |
| FILE                         |            |            |                     | POD NO.  | TRN NO.  |                                   |                         | on vorsorzor /                                |
| LOC                          | ATION      |            |                     |  | WELL TAG ID N  | 0                                 |                         | PAGE 2 OF 2                                   |



**APPENDIX B** 

Photographic Log

# 2019 - Photo Log



Facing North



Digging up release



Spill excavated



Spill Excavated



Spill Excavated



Aerial View -South View

# 2019 - Photo Log



Facing west



Facing South



Facing Northwest



Facing North







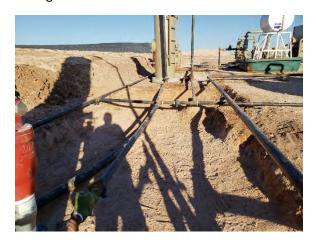
# 2019 - Photo Log



Northeast



Facing West



Facing East



North



South



Spill Area Facing South



## Photographic Log

BTA Oil Producers, LLC Mesa 8105 JV-P 013H





Photograph: 1 Date: 5/30/2023

Description: Historical release area/backfilled excavation

View: North

Photograph: 2 Date: 5/30/2023 Description: Historical release area/backfilled excavation

View: West





Photograph: 3 Date: 5/30/2023

Description: Historical release area/backfilled excavation

View: East

Photograph: 4 Date: 5/30/2023

Description: Historical release area/backfilled excavation

View: South



**APPENDIX C** 

Laboratory Analytical Reports & Chain of Custody Documentation



August 27, 2019

**BOB HALL** 

**BTA Oil Producers** 

103 South Pecos

Midland, TX 79701

RE: MESA 13 - 18

Enclosed are the results of analyses for samples received by the laboratory on 08/26/19 15:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

**BTA Oil Producers BOB HALL** 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312

Received: 08/26/2019 Sampling Date:

08/23/2019 Reported: 08/27/2019 Sampling Type: Soil

Project Name: MESA 13 - 18 Sampling Condition: Cool & Intact Project Number: **COMPRESSOR 3 SPILLS** Sample Received By: Tamara Oldaker

Project Location: LEA CO

### Sample ID: SP 1 @ 2' (H902935-01)

| BTEX 8021B                           | mg,    | /kg             | Analyze    | d By: ms     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | 0.424  | 0.050           | 08/27/2019 | ND           | 1.69 | 84.7       | 2.00          | 0.243 |           |
| Toluene*                             | 5.36   | 0.050           | 08/27/2019 | ND           | 1.90 | 94.9       | 2.00          | 0.313 |           |
| Ethylbenzene*                        | 1.71   | 0.050           | 08/27/2019 | ND           | 2.03 | 101        | 2.00          | 1.70  |           |
| Total Xylenes*                       | 9.36   | 0.150           | 08/27/2019 | ND           | 6.22 | 104        | 6.00          | 2.17  |           |
| Total BTEX                           | 16.9   | 0.300           | 08/27/2019 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 111 9  | % 73.3-12       | 9          |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 48.0   | 16.0            | 08/27/2019 | ND           | 432  | 108        | 400           | 0.00  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |       | S-06      |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | 232    | 50.0            | 08/27/2019 | ND           | 207  | 103        | 200           | 2.02  |           |
| DRO >C10-C28*                        | 16300  | 50.0            | 08/27/2019 | ND           | 203  | 101        | 200           | 2.56  |           |
| EXT DRO >C28-C36                     | 5890   | 50.0            | 08/27/2019 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 127    | % 41-142        | ?          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 916    | % 37.6-14       | 7          |              |      |            |               |       |           |

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### Analytical Results For:

**BTA Oil Producers BOB HALL** 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312

Received: 08/26/2019 Sampling Date: 08/23/2019

Reported: 08/27/2019 Sampling Type: Soil

Project Name: MESA 13 - 18 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: **COMPRESSOR 3 SPILLS** 

Project Location: LEA CO

### Sample ID: SP 1 @ 4' (H902935-02)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: ms     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 08/27/2019 | ND           | 1.69 | 84.7       | 2.00          | 0.243 |           |
| Toluene*                             | <0.050 | 0.050           | 08/27/2019 | ND           | 1.90 | 94.9       | 2.00          | 0.313 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 08/27/2019 | ND           | 2.03 | 101        | 2.00          | 1.70  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 08/27/2019 | ND           | 6.22 | 104        | 6.00          | 2.17  |           |
| Total BTEX                           | <0.300 | 0.300           | 08/27/2019 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 91.0 % | 6 73.3-12       | 9          |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 16.0   | 16.0            | 08/27/2019 | ND           | 432  | 108        | 400           | 0.00  |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 08/27/2019 | ND           | 207  | 103        | 200           | 2.02  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 08/27/2019 | ND           | 203  | 101        | 200           | 2.56  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 08/27/2019 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 113 %  | 6 41-142        |            |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 123 %  | 37.6-14         | 7          |              |      |            |               |       |           |

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### Analytical Results For:

**BTA Oil Producers BOB HALL** 103 South Pecos Midland TX, 79701 Fax To: (432) 683-0312

Received: 08/26/2019 Sampling Date: 08/23/2019

Reported: 08/27/2019 Sampling Type: Soil MESA 13 - 18

Project Name: Sampling Condition: Cool & Intact Sample Received By: Project Number: **COMPRESSOR 3 SPILLS** Tamara Oldaker

Project Location: LEA CO

### Sample ID: SP 1 @ 7' (H902935-03)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: ms     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 08/27/2019 | ND           | 1.69 | 84.7       | 2.00          | 0.243 |           |
| Toluene*                             | <0.050 | 0.050           | 08/27/2019 | ND           | 1.90 | 94.9       | 2.00          | 0.313 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 08/27/2019 | ND           | 2.03 | 101        | 2.00          | 1.70  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 08/27/2019 | ND           | 6.22 | 104        | 6.00          | 2.17  |           |
| Total BTEX                           | <0.300 | 0.300           | 08/27/2019 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 93.1   | % 73.3-12       | 9          |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 32.0   | 16.0            | 08/27/2019 | ND           | 432  | 108        | 400           | 0.00  |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 08/27/2019 | ND           | 207  | 103        | 200           | 2.02  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 08/27/2019 | ND           | 203  | 101        | 200           | 2.56  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 08/27/2019 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 125 %  | % 41-142        | !          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 135 9  | 37.6-14         | 7          |              |      |            |               |       |           |

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### Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 08/26/2019 Sampling Date: 08/23/2019

Reported: 08/27/2019 Sampling Type: Soil

Project Name: MESA 13 - 18 Sampling Condition: Cool & Intact
Project Number: COMPRESSOR 3 SPILLS Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: LEA CO

ma/ka

### Sample ID: SP 2 @ 2' (H902935-04)

RTFY 8021R

| B1EX 8021B                           | mg     | / kg            | Analyze    | a By: MS     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 08/26/2019 | ND           | 1.69 | 84.3       | 2.00          | 0.552 |           |
| Toluene*                             | 0.365  | 0.050           | 08/26/2019 | ND           | 1.88 | 94.0       | 2.00          | 1.51  |           |
| Ethylbenzene*                        | 0.416  | 0.050           | 08/26/2019 | ND           | 1.96 | 97.9       | 2.00          | 1.18  |           |
| Total Xylenes*                       | 2.69   | 0.150           | 08/26/2019 | ND           | 6.08 | 101        | 6.00          | 1.15  |           |
| Total BTEX                           | 3.47   | 0.300           | 08/26/2019 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 126    | % 73.3-12       | 9          |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 16.0   | 16.0            | 08/27/2019 | ND           | 432  | 108        | 400           | 0.00  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |       | S-04      |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | 52.5   | 10.0            | 08/27/2019 | ND           | 207  | 103        | 200           | 2.02  |           |
| DRO >C10-C28*                        | 7690   | 10.0            | 08/27/2019 | ND           | 203  | 101        | 200           | 2.56  |           |
| EXT DRO >C28-C36                     | 2880   | 10.0            | 08/27/2019 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 115    | % 41-142        | ,          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 497    | % 37.6-14       | 7          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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### Analytical Results For:

**BTA Oil Producers BOB HALL** 103 South Pecos Midland TX, 79701

Fax To: (432) 683-0312

Received: 08/26/2019 Sampling Date: 08/23/2019

Reported: 08/27/2019 Sampling Type: Soil

Project Name: MESA 13 - 18 Sampling Condition: Cool & Intact Project Number: **COMPRESSOR 3 SPILLS** Sample Received By: Tamara Oldaker

Project Location: LEA CO

### Sample ID: SP 2 @ 4' (H902935-05)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: MS     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 08/26/2019 | ND           | 1.69 | 84.3       | 2.00          | 0.552 |           |
| Toluene*                             | <0.050 | 0.050           | 08/26/2019 | ND           | 1.88 | 94.0       | 2.00          | 1.51  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 08/26/2019 | ND           | 1.96 | 97.9       | 2.00          | 1.18  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 08/26/2019 | ND           | 6.08 | 101        | 6.00          | 1.15  |           |
| Total BTEX                           | <0.300 | 0.300           | 08/26/2019 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 105 9  | % 73.3-12       | 9          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0  | 16.0            | 08/27/2019 | ND           | 432  | 108        | 400           | 0.00  |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 08/27/2019 | ND           | 207  | 103        | 200           | 2.02  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 08/27/2019 | ND           | 203  | 101        | 200           | 2.56  |           |
| EXT DRO >C28-C36                     | 10.1   | 10.0            | 08/27/2019 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 115 %  | % 41-142        | )          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 126 9  | % 37.6-14       | 7          |              |      |            |               |       |           |

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### Analytical Results For:

BTA Oil Producers
BOB HALL
103 South Pecos
Midland TX, 79701
Fax To: (432) 683-0312

Received: 08/26/2019 Sampling Date: 08/23/2019

Reported: 08/27/2019 Sampling Type: Soil

Project Name: MESA 13 - 18 Sampling Condition: Cool & Intact
Project Number: COMPRESSOR 3 SPILLS Sample Received By: Tamara Oldaker

Project Location: LEA CO

### Sample ID: SP 2 @ 5' (H902935-06)

| BTEX 8021B                           | mg      | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 08/26/2019 | ND           | 1.69 | 84.3       | 2.00          | 0.552 |           |
| Toluene*                             | <0.050  | 0.050           | 08/26/2019 | ND           | 1.88 | 94.0       | 2.00          | 1.51  |           |
| Ethylbenzene*                        | < 0.050 | 0.050           | 08/26/2019 | ND           | 1.96 | 97.9       | 2.00          | 1.18  |           |
| Total Xylenes*                       | <0.150  | 0.150           | 08/26/2019 | ND           | 6.08 | 101        | 6.00          | 1.15  |           |
| Total BTEX                           | <0.300  | 0.300           | 08/26/2019 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 108     | % 73.3-12       | 9          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,     | /kg             | Analyze    | ed By: AC    |      |            |               |       |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0   | 16.0            | 08/27/2019 | ND           | 432  | 108        | 400           | 0.00  |           |
| TPH 8015M                            | mg      | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0   | 10.0            | 08/27/2019 | ND           | 207  | 103        | 200           | 2.02  |           |
| DRO >C10-C28*                        | <10.0   | 10.0            | 08/27/2019 | ND           | 203  | 101        | 200           | 2.56  |           |
| EXT DRO >C28-C36                     | <10.0   | 10.0            | 08/27/2019 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 114     | % 41-142        | ?          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 124     | % 37.6-14       | 7          |              |      |            |               |       |           |
|                                      |         |                 |            |              |      |            |               |       |           |

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### **Notes and Definitions**

| S-06  | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's. |
|-------|--|
| S-04  | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.   |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.                       |
| ND    | Analyte NOT DETECTED at or above the reporting limit   |
| RPD   | Relative Percent Difference  |
| **    | Samples not received at proper temperature of 6°C or below.  |
| ***   | Insufficient time to reach temperature.  |
| -     | Chloride by SM4500Cl-B does not require samples be received at or below 6°C  |
|       | Samples reported on an as received basis (wet) unless otherwise noted on report  |

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Relinquished By:

Date: 8-26-19 Time: 75:15

Received By:

Phone Result: Fax Result: REMARKS:

□ Yes

No o

Add'l Phone #: Add'l Fax #:

Received By:

Relinquisne



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name:                            | いす or Karcio                            | 5   | BILL TO  | ANALYSIS REQUEST |
|--|---|---|--|------------------|
| Project Manager:                         | Bob Holl                                | 0   | P.O. #:  | - 1              |
| Address:                                 |   |   | Company: SA                                    |                  |
| City:                                    | State:                                  | Zip:  | Attn: Bob Hall                                 |                  |
| Phone #:                                 | Fax #:                                  |   | Address:                                       |                  |
| Project #:                               | Project Owner:                          | ner:  | City:  |                  |
| Project Name:                            |   |   | State: Zip:                                    |                  |
| Project Location:<br>Sampler Name:       | Mesa. 13-18-                            | Sylve Sylve   | Phone #: Fax #:                                |                  |
| FOR LAB USE ONLY                         |   | MATRIX  | PRESERV. SAMPLING                              |                  |
| Lab i.D.                                 | Sample I.D.                             | (G)RAB OR (C)OM<br># CONTAINERS<br>GROUNDWATER<br>WASTEWATER<br>SOIL<br>OIL<br>SLUDGE | OTHER: ACID/BASE: ICE / COOL OTHER:  DATE TIME |                  |
| 14902935 St.                             | ( C )                                   | <br>++  | X 0516 1/218 X                                 | <i>x x</i>       |
| څ <i>ن</i> هٔ که که که ح<br>ح <i>ه د</i> | 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | ) sp q-   | * 823/18 18:52 XX                              | ' <i>x x</i>     |
| 2 X X                                    | 6.5                                     | X x   | X SETALIONS X X                                | XX               |
|  |   |   |  |                  |

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

24.40

Sample Condition
Cool Intact
Pres Pres
No No

CHECKED BY: (Initials)

Midwale expertensionservices.com

Time:



APPENDIX D

Final C-141s

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    | NCH1835547953 |
|----------------|---------------|
| District RP    | 1RP-5289      |
| Facility ID    |               |
| Application ID |               |

# **Release Notification**

# **Responsible Party**

| Responsible Party BTA Oil Producers                                |   | OGRID                  | 260297           |   |                               |                 |
|--|---|------------------------|------------------|---|-------------------------------|-----------------|
| Contact Name Ben Grimes  |   | Contact To             | elephone (432    | 2) 682-3753                             |                               |                 |
| Contact email bgrimes@btaoil.com                                   |   | Incident #             | (assigned by OCL | 0)                                      |                               |                 |
| Contact mailing add  | ress 104 S Pecos S  | t, Midland, TX 79      | 9701             |   |                               |                 |
| Latitude 32.0660734  | 285   | Location (NAD 83 in de |                  |   | 103.624070083                 | 3               |
| Site Name Mesa 81  | 05 JV-P 013H (con   | npressor)              |                  | Site Type                               | well pad                      |                 |
| Date Release Discov  | ered 11/24/2018   |                        |                  | API# (If app                            | olicable) 30-025-             | 42849           |
| Unit Letter   Secti  | on Township   | Range                  |                  | Cour                                    | nty                           | 1               |
| P 1  | 268   | 32E                    | Lea              |   |                               |                 |
| Crude Oil  | aterial(s) Released (Select a  Volume Release  Volume Release | ed (bbls)              |                  |   | ustification for the          | overed (bbls) 5 |
| Is the concentration of dissolved chloride                         |   | in the                 | Yes 1            | ` · · · · · · · · · · · · · · · · · · · |                               |                 |
| produced water >10,000 mg/l?  Condensate Volume Released (bbls) 10 |   |                        |                  | Volume Reco                             | overed (bbls) 5               |                 |
| ☐ Natural Gas Volume Released (Mcf)                                |   |                        | Volume Reco      | overed (Mcf)                            |                               |                 |
| Other (describe) Volume/Weight Released (provide units             |   | le units)              |                  | Volume/Wei                              | ght Recovered (provide units) |                 |
| Cause of Release   |   |                        |                  |   |                               |                 |
| Malfunction on com   | pressor caused slop ta  | nk to overflow.        |                  |   |                               |                 |

Form C-141 Page 2

# State of New Mexico Oil Conservation Division

| Incident ID    | NCH1835547953 |
|----------------|---------------|
| District RP    | 1RP-5289      |
| Facility ID    |               |
| Application ID |               |

| Was this a major  | If YES, for what reason(s) does the respon            | sible party consider this a major release?  |  |
|---|---|---|--|
| release as defined by 19.15.29.7(A) NMAC?   |   |   |  |
|   | Yes 19.15.29.7 (A) defines 25 BBL or mo               | re a major release  |  |
| X Yes No  |   |   |  |
|   |   |   |  |
| If YES, was immediate no  | Lotice given to the OCD? By whom? To when             | om? When and by what means (phone, email, etc)?   |  |
| No  | ,   |   |  |
| 110   |   |   |  |
|   | Initial Ro  | esponse   |  |
| The responsible   | party must undertake the following actions immediatel | vunless they could create a safety hazard that would result in injury   |  |
| ☐ The source of the rele  | ease has been stopped.                                |   |  |
|   | s been secured to protect human health and            | the environment.  |  |
| Released materials ha   | ave been contained via the use of berms or d          | ikes, absorbent pads, or other containment devices.   |  |
| ☐ All free liquids and recoverable materials have been removed and managed appropriately.   |   |   |  |
| If all the actions described  | d above have <u>not</u> been undertaken, explain v    | vhy:  |  |
|   |   |   |  |
|   |   |   |  |
|   |   |   |  |
|   |   |   |  |
| Per 19 15 29 8 B (4) NM   | AC the responsible party may commence re              | emediation immediately after discovery of a release. If remediation   |  |
| 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 info  | rmation given above is true and complete to the       | pest of my knowledge and understand that pursuant to OCD rules and  |  |
|   |   | lications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have |  |
| failed to adequately investig   | ate and remediate contamination that pose a thre      | at to groundwater, surface water, human health or the environment. In   |  |
| addition, OCD acceptance of and/or regulations.   | f a C-141 report does not relieve the operator of     | responsibility for compliance with any other federal, state, or local laws  |  |
| Printed Name:   | en Grimes   | Title: Production Manager   |  |
| Signature: Sen  | Trings  | Date: 1112612018  |  |
| ^   | resp BTAOil. com                                      | Telephone: 437-680-3753   |  |
| email: 100 r. W   | respirolicom  | Telephone: 900000000  |  |
| OCD Only  |   |   |  |
| Received by:  |   | Date:   |  |
|   |   |   |  |

|                | Page 32 of 45 |
|----------------|---------------|
| Incident ID    | NCH835547953  |
| District RP    | 1RP-5289      |
| Facility ID    |               |
| Application ID |               |

# Site Assessment/Characterization

| t his 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?   | <u>&gt;55</u> (ft bgs) |
| Did this release impact groundwater or surface water?   | ☐ Yes ⊠ No             |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?  | ☐ Yes ⊠ 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)?  | ☐ Yes ⊠ No             |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?  | ☐ Yes ⊠ 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?                               | ☐ Yes ⊠ No             |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  | ☐ Yes ⊠ No             |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?   | ☐ Yes ⊠ No             |
| Are the lateral extents of the release within 300 feet of a wetland?  | ☐ Yes ⊠ No             |
| Are the lateral extents of the release overlying a subsurface mine?   | ☐ Yes ⊠ No             |
| Are the lateral extents of the release overlying an unstable area such as karst geology?  | ☐ Yes ⊠ No             |
| Are the lateral extents of the release within a 100-year floodplain?  | ☐ Yes ⊠ No             |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?  | ⊠ Yes □ No             |
| Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics. | tical extents of soil  |
| Characterization Report Checklist: Each of the following items must be included in the report.  |                        |
|   |                        |

| 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 Page 4

# State of New Mexico Oil Conservation Division

| Incident ID    | NCH835547953 |
|----------------|--------------|
| District RP    | 1RP-5289     |
| Facility ID    |              |
| Application ID |              |

| I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release noti public health or the environment. The acceptance of a C-141 report by the Gailed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations. | fications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In |
|--|--|
| Printed Name: Kelton Beaird  Signature: email: kbeaird@btaoil.com  | Title: Environmental Manager  Date: 6-6-23  Telephone: 432-312-2203  |
| OCD Only   |  |
| Received by:   | Date:  |

Form C-141 Page 5

# State of New Mexico Oil Conservation Division

| Incident ID    | NCH835547953 |
|----------------|--------------|
| District RP    | 1RP-5289     |
| Facility ID    |              |
| Application ID |              |

# **Remediation Plan**

| Remediation Plan Checklist: Each of the following items must be   | included in the plan.  |
|---|--|
| <ul> <li>☑ Detailed description of proposed remediation technique</li> <li>☑ Scaled sitemap with GPS coordinates showing delineation points</li> <li>☑ Estimated volume of material to be remediated</li> <li>☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12</li> <li>☑ Proposed schedule for remediation (note if remediation plan times)</li> </ul>   | 2(C)(4) NMAC   |
| Deferral Requests Only: Each of the following items must be conj  | firmed as part of any request for deferral of remediation.   |
| Contamination must be in areas immediately under or around prodeconstruction.   |  |
| 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 rules and regulations all operators are required to report and/or file ce which may endanger public health or the environment. The acceptant liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD are responsibility for compliance with any other federal, state, or local later. | ertain release notifications and perform corrective actions for releases ce of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, ecceptance of a C-141 report does not relieve the operator of |
| Printed Name: Kelton Beaird Signature:  | Title: <u>Environmental Manager</u> Date: <u>6-6-23</u>  |
| email: _ kbeaird@btaoil.com   | Telephone: 432-312-2203  |
|   |  |
| OCD Only  |  |
| Received by:  | Date:  |
| Approved Approved with Attached Conditions of A   | Approval   |
| Signature:  | Date:  |

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    | NAB1906552791 |
|----------------|---------------|
| District RP    | 1RP-5383      |
| Facility ID    |               |
| Application ID |               |

# **Release Notification**

# **Responsible Party**

| Responsible Party: BTA Oil Producers, LLC                    | OGRID: 260297                              |
|--|--|
| Contact Name: Bob Hall                                       | Contact Telephone: 432-682-3753            |
| Contact email: bhall@btaoil.com                              | Incident # (assigned by OCD) NAB1906552791 |
| Contact mailing address: 104 S. Pecos St., Midland, TX 79701 |  |

# **Location of Release Source**

Latitude: 32.06584° Longitude: -103.62410°

(NAD 83 in decimal degrees to 5 decimal places)

| Site Name: N | Mesa 8105   | JV-P 13/18 Cor | npressor | Site Type: Well Pad  |  |
|--------------|-------------|----------------|----------|--|--|
| Date Release | Discovered: | 2/8/2019       |          | API# (if applicable) Nearest well: Mesa 8195 JV-P #013F<br>API #30-025-42849 |  |
| Unit Letter  | Section     | Township       | Range    | County   |  |

|               | _       |                  |  |
|---------------|---------|------------------|--|
| Surface Owner | : State | ibal 🗌 Private ( |  |

## Nature and Volume of Release

| Materia              | al(s) Released (Select all that apply and attach calculations or specific      | justification for the volumes provided below) |
|----------------------|--|---|
| Crude Oil            | Volume Released (bbls) 18 BBL  | Volume Recovered (bbls) 18 BBL                |
| Produced Water       | Volume Released (bbls)   | Volume Recovered (bbls)                       |
|                      | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | ☐ Yes ☐ No                                    |
| Condensate           | Volume Released (bbls)   | Volume Recovered (bbls)                       |
| ☐ Natural Gas        | Volume Released (Mcf)  | Volume Recovered (Mcf)                        |
| Other (describe)     | Volume/Weight Released (provide units)   | Volume/Weight Recovered (provide units)       |
| Cause of Release     |  |   |
| Due to an equipmen   | t failure on the compressor, oil was pushed o                                  | ver to the slop tank, which overflowed. The   |
| oil was recovered wi | th a vacuum truck.   |   |
|                      |  |   |
|                      |  |   |
|                      |  |   |

Incident ID NAB1906552791

District RP 1RP-5383

Facility ID Application ID

| Was this a major<br>release as defined by<br>19.15.29.7(A) NMAC?                               | If YES, for what reason(s) does the responsible party consider this a major release?  |
|--|---|
| ☐ Yes ⊠ No   |   |
|  |   |
| If YES, was immediate n  | otice 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   |
| ☐ The source of the rele   | ease has been stopped.  |
| The impacted area ha   | as been secured to protect human health and the environment.  |
| Released materials ha  | ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.   |
| All free liquids and r   | ecoverable materials have been removed and managed appropriately.   |
| If all the actions describe  | d above have <u>not</u> been undertaken, explain why:   |
|  |   |
|  |   |
|  |   |
|  |   |
| has begun, please attach   | IAC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.   |
| regulations all operators are<br>public health or the environ<br>failed to adequately investig | rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger ment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have gate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In if a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws |
| Printed Name: Bob Hal  | Title: Environmental Manager  |
| Signature: Tol   | Palf Date: 2/22/2018  |
| email: bhall@btaoil.c  | om Telephone: 432-682-3753  |
| OCD Only   |   |
| Received by:   | Date: 3/06/2019   |

|                | Page 37 of    | 45 |
|----------------|---------------|----|
| Incident ID    | NAB1906552791 |    |
| District RP    | 1RP-5383      |    |
| 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.

| This information must be provided to the appropriate district office no later than 50 days after the release discovery date.   |                        |
|--|------------------------|
| What is the shallowest depth to groundwater beneath the area affected by the release?  | <u>&gt;55</u> (ft bgs) |
| Did this release impact groundwater or surface water?  | ☐ Yes ⊠ No             |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?   | ☐ Yes ⊠ 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)?   | ☐ Yes ⊠ No             |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?   | ☐ Yes ⊠ 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?                              | ☐ Yes ⊠ No             |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?   | ☐ Yes ⊠ No             |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?  | ☐ Yes ⊠ No             |
| Are the lateral extents of the release within 300 feet of a wetland?   | ☐ Yes ⊠ No             |
| Are the lateral extents of the release overlying a subsurface mine?  | ☐ Yes ⊠ No             |
| Are the lateral extents of the release overlying an unstable area such as karst geology?   | ☐ Yes ⊠ No             |
| Are the lateral extents of the release within a 100-year floodplain?   | ☐ Yes ⊠ No             |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?   | ⊠ Yes □ No             |
| Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vercontamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics. | tical extents of soil  |
| 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 well Field data  Data table of soil contaminant concentration data  | ls.                    |

| Characterization Report Checklist: Each of the following items must be included in the report.                          |
|---|
| <u></u>   |
|   |
| 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 Page 4

# State of New Mexico Oil Conservation Division

| Incident ID    | NAB1906552791 |
|----------------|---------------|
| District RP    | 1RP-5383      |
| 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. Title: Environmental Manager Printed Name: Kelton Beaird Telephone: kbeaird@btaoil.com email: **OCD Only** Jocelyn Harimon 06/08/2023 Date: Received by:

Form C-141 Page 5

# State of New Mexico Oil Conservation Division

| Incident ID    | NAB1906552791 |
|----------------|---------------|
| District RP    | 1RP-5383      |
| Facility ID    |               |
| Application ID |               |

# **Remediation Plan**

| Remediation Plan Checklist: Each of the following items must be  | e included in the plan.  |
|--|--|
| <ul> <li>☑ Detailed description of proposed remediation technique</li> <li>☑ Scaled sitemap with GPS coordinates showing delineation point</li> <li>☑ Estimated volume of material to be remediated</li> <li>☑ Closure criteria is to Table 1 specifications subject to 19.15.29.</li> <li>☑ Proposed schedule for remediation (note if remediation plan times)</li> </ul>   | .2(C)(4) NMAC  |
| Deferral Requests Only: Each of the following items must be con  | firmed as part of any request for deferral of remediation.   |
| Contamination must be in areas immediately under or around predeconstruction.  | oduction equipment where remediation could cause a major facility  |
| Extents of contamination must be fully delineated.   |  |
| Contamination does not cause an imminent risk to human health  | n, the environment, or groundwater.  |
| rules and regulations all operators are required to report and/or file which may endanger public health or the environment. The accepta liability should their operations have failed to adequately investigat surface water, human health or the environment. In addition, OCD responsibility for compliance with any other federal, state, or local Printed Name: Kelton Beaird  Signature:  email: kbeaird@btaoil.com | e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of |
| OCD Only   | 00/00/0000   |
| Received by:Jocelyn Harimon  | Date:06/08/2023  |
| Approved Approved with Attached Conditions of  | Approval Denied Deferral Approved  |
| Signature:   | Date:  |

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    | NAB1906551740 |
|----------------|---------------|
| District RP    | 1RP-5383      |
| Facility ID    |               |
| Application ID |               |

# **Release Notification**

# **Responsible Party**

| Responsible Party: BTA Oil Producers, LLC                    | OGRID: 260297                              |
|--|--|
| Contact Name: Bob Hall                                       | Contact Telephone: 432-682-3753            |
| Contact email: bhall@btaoil.com                              | Incident # (assigned by OCD) NAB1906551740 |
| Contact mailing address: 104 S. Pecos St., Midland, TX 79701 |  |

# **Location of Release Source**

Latitude: 32.06584° Longitude: -103.62410°

(NAD 83 in decimal degrees to 5 decimal places)

| Site Name: N | ∕lesa 8105  | JV-P 13/18 Cor | npressor | Site Type: Well Pad   |
|--------------|-------------|----------------|----------|---|
| Date Release | Discovered: | 2/9/2019       |          | API# (if applicable) Nearest well: Mesa 8195 JV-P #013H API #30-025-42849 |
| Unit Letter  | Section     | Township       | Range    | County  |

| Р             | 1          | 26S          | 32E              | Lea |   |
|---------------|------------|--------------|------------------|-----|---|
| Surface Owner | :: ☐ State | Federal □ Tr | ribal  Private ( |     | • |

## 111001 1111000

# Nature and Volume of Release

| Material         | (s) Released (Select all that apply and attach calculations or specific                   | justification for the volumes provided below) |
|------------------|---|---|
| Crude Oil        | Volume Released (bbls) 18 BBL   | Volume Recovered (bbls) 18 BBL                |
| Produced Water   | Volume Released (bbls)  | Volume Recovered (bbls)                       |
|                  | Is the concentration of dissolved chloride in the produced water >10,000 mg/l?            | ☐ Yes ☐ No                                    |
| Condensate       | Volume Released (bbls)  | Volume Recovered (bbls)                       |
| ☐ Natural Gas    | Volume Released (Mcf)   | Volume Recovered (Mcf)                        |
| Other (describe) | Volume/Weight Released (provide units)  | Volume/Weight Recovered (provide units)       |
| Cause of Release |   |   |
| • •              | failure on the compressor, as occurred as a se slop tank and caused the tank to overflow. |   |

Incident ID NAB1906551740

District RP 1RP-5383

Facility ID Application ID pAB1906551401

| Was this a major release as defined by 19.15.29.7(A) NMAC?                                      | If YES, for what reason(s) does the responsible party consider this a major release?  |
|---|---|
| ☐ Yes ⊠ No  |   |
| If YES, was immediate n   | otice 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   |
| ☐ The source of the rele  | ease has been stopped.  |
| The impacted area ha  | s been secured to protect human health and the environment.   |
| Released materials ha   | ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.   |
| All free liquids and re   | ecoverable materials have been removed and managed appropriately.   |
| has begun, please attach  | IAC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred   |
|   | nt area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.   |
| regulations all operators are<br>public health or the environi<br>failed to adequately investig | rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger ment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws |
| Printed Name: Bob Hal   | Title: Environmental Manager  |
| Signature: Bolly  | Date: 2/22/2018   |
| email: bhall@btaoil.c   | om Telephone: 432-682-3753  |
| OCD Only  Received by:  | Date: 3/6/2019  |

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|----------------|---------------|----|
| Incident ID    | NAB1906551740 |    |
| District RP    | 1RP-5383      |    |
| 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?   | <u>&gt;55</u> (ft bgs) |
| Did this release impact groundwater or surface water?   | ☐ Yes ⊠ No             |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?  | ☐ Yes ⊠ 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)?  | ☐ Yes ⊠ No             |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?  | ☐ Yes ⊠ 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?                               | ☐ Yes ⊠ No             |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  | ☐ Yes ⊠ No             |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?   | ☐ Yes ⊠ No             |
| Are the lateral extents of the release within 300 feet of a wetland?  | ☐ Yes ⊠ No             |
| Are the lateral extents of the release overlying a subsurface mine?   | ☐ Yes ⊠ No             |
| Are the lateral extents of the release overlying an unstable area such as karst geology?  | ☐ Yes ⊠ No             |
| Are the lateral extents of the release within a 100-year floodplain?  | ☐ Yes ⊠ No             |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?  | ⊠ Yes □ No             |
| Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics. | rtical extents of soil |
| 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 well Field data  Data table of soil contaminant concentration data   | ls.                    |

| Characterization Report Checklist: Each of the following items must be included in the report.                                      |
|---|
| <u></u>   |
| 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

Page 4

# State of New Mexico Oil Conservation Division

| Incident ID    | NAB1906551740 |
|----------------|---------------|
| District RP    | 1RP-5383      |
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| 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

Date: 6-25

CCD Only

Received by: Date: Date: Date:

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# State of New Mexico Oil Conservation Division

| Incident ID    | NAB1906551740 |
|----------------|---------------|
| District RP    | 1RP-5383      |
| Facility ID    |               |
| Application ID |               |

# **Remediation Plan**

| Remediation Plan Checklist: Each of the following items must be included in the plan.  |                                   |  |
|--|-----------------------------------|--|
| <ul> <li>☑ Detailed description of proposed remediation technique</li> <li>☑ Scaled sitemap with GPS coordinates showing delineation points</li> <li>☑ Estimated volume of material to be remediated</li> <li>☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC</li> <li>☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days)</li> </ul>   | s OCD approval is required)       |  |
| Deferral Requests Only: Each of the following items must be confirmed as part of any req   | west for deferral of remediation. |  |
| Contamination must be in areas immediately under or around production equipment wher deconstruction.   |                                   |  |
| Extents of contamination must be fully delineated.   |                                   |  |
| Contamination does not cause an imminent risk to human health, the environment, or group   | undwater.                         |  |
| 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  Date: 6-6-73  Telephone: 432-312-2203 |                                   |  |
|  |                                   |  |
| OCD Only   |                                   |  |
| Received by: Date:   | _                                 |  |
| ☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denie   | ed Deferral Approved              |  |
| Signature: Nelson Velez Date: 08/07/2023   |                                   |  |

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

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 225628

### **CONDITIONS**

| Operator:              | OGRID:                                    |
|------------------------|---|
| BTA OIL PRODUCERS, LLC | 260297                                    |
| 104 S Pecos            | Action Number:                            |
| Midland, TX 79701      | 225628                                    |
|                        | Action Type:                              |
|                        | [C-141] Release Corrective Action (C-141) |

### CONDITIONS

| Created<br>By | Condition   | Condition<br>Date |
|---------------|---|-------------------|
| nvelez        | Deferral approved. Remediation Due date is October 6, 2023. | 8/7/2023          |