

November 27, 2024 Apache Corporation 303 Veterans Airpark Ln Midland, TX 79705

Attn: New Mexico Oil Conservation Division

1220 South St. Francis Drive Santa Fe, New Mexico, NM 87505

**RE:** Release Investigation, and Closure Report

Empire ABO Unit #008E Unit H, Section 16, Township 18 South, Range 27 East 32.7505, -104.2782 Eddy County, New Mexico

Incident ID No. nMCS0219153649

To Whom It May Concern:

Apache Corporation (Apache) became aware of an open incident related to historical oil and gas operations located on New Mexico State Land (NMSLO) from the above-referenced location as shown in Exhibits 1 and 2. A release at this location was originally discovered on June 21, 2002, and was found to have impacted the right-of-way. Impacted soil was treated at the time of discovery with fertilizer. Surface ownership is held by the NMSLO. Since the release was assumed to be less than 25 bbls the New Mexico Oil Conservation District (NMOCD) was notified of the release at the time, but because of the age of the incident, a C-141 was not filed.

#### Regulatory Criteria

A review of data from the New Mexico Office of the State Engineer (NMOSE) website identified a water well RA-12433 located approximately 0.93 miles northeast of the site (Exhibit 4). This groundwater well was completed to a depth of 35 feet below ground surface (bgs) in 2016, with an assumed depth to water of 15 to 35 feet bgs. A review of the U.S. Fish and Wildlife Service, National Wetlands Inventory website indicates that there are riverine wetlands within a half mile of the site (Exhibit 5). A review of geospatial data obtained from the BLM Carlsbad Field Office website indicated that the site is within an area of high risk for karst formations, as seen in the Karst Map Exhibit 6. Per New Mexico Administrative Code (NMAC) 19.15.29.12, remediation and closure criteria for a depth to groundwater less than 50 feet below grade surface (bgs) were utilized for this release.

## **Soil Sampling Activities**

On November 22, 2024, Terracon mobilized to the site to collect samples from the formerly impacted area of the release. See Exhibit 3 for a depiction of the delineation grab sample locations. Photographs of the project site are included in Exhibit 7.

Nineteen soil samples were collected from five hand auger locations and were analyzed for BTEX, Benzene, TPH, and Chlorides. BTEX, Benzene, and TPH for all samples were reported

Closure Documentation
Empire ABO Unit #008E | Eddy County, New Mexico
November 26, 2024 | Terracon Project No. KH247056



to be below laboratory detection limits. Chloride was detected above laboratory detection limits but was reported below the closure criteria of 600 mg/kg for all samples. Analytical results are summarized in Table 1. Laboratory reports and chains of custody are presented in Appendix 1.

#### **Conclusion**

In accordance with NMAC 19.15.29.12, remediation of the impacted material is complete, and Apache respectfully requests closure of the reportable incident that occurred on June 21, 2002, at the Empire ABO Unit #008E - nMCS0219153649 location.

We at Terracon are deeply grateful for the opportunity to offer our environmental services to Apache. We are committed to providing the highest level of service and support. Should you need further information or have any queries, we encourage you to reach out to our office at your earliest convenience.

Sincerely,



Prepared by:

Joseph Guesnier

Office Manager

Carlsbad

Reviewed by:

John Grams, P.G. (TX)

Senior Project Manager

Lubbock

## **Attachments**

Exhibit 1 – Topographic Map

Exhibit 2 - Site Map

Exhibit 3 - Site Sample Map

Exhibit 4 - NMOSE POD Location Map

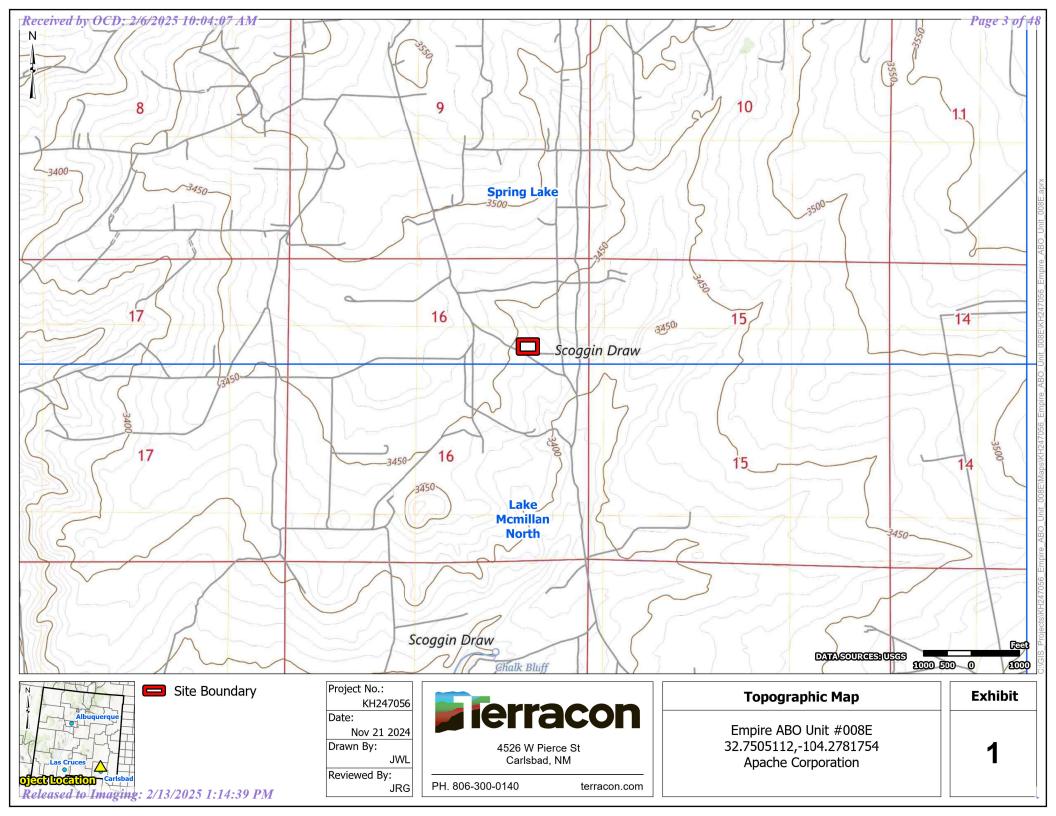
Exhibit 5 - Designated Wetlands Map

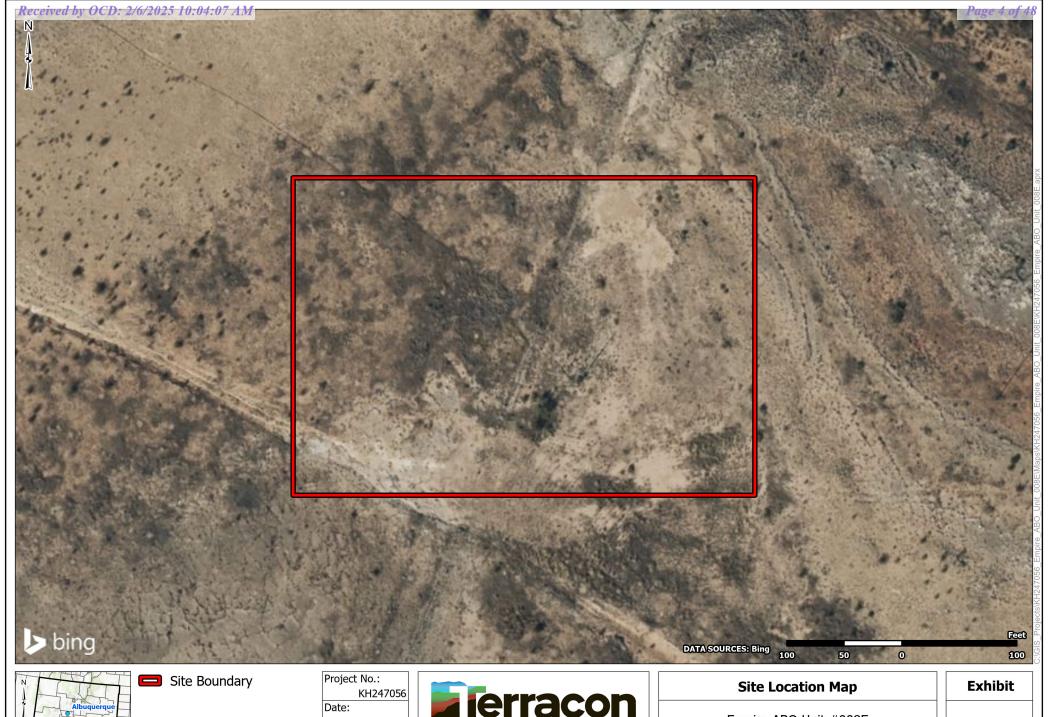
Exhibit 6 - Karst Map

Exhibit 7 - Photographic Log

Table 1 - Soil Analytical Results Summary - Release Assessment

Laboratory Analytical Report and Chain of Custody







Nov 21 2024 Drawn By:

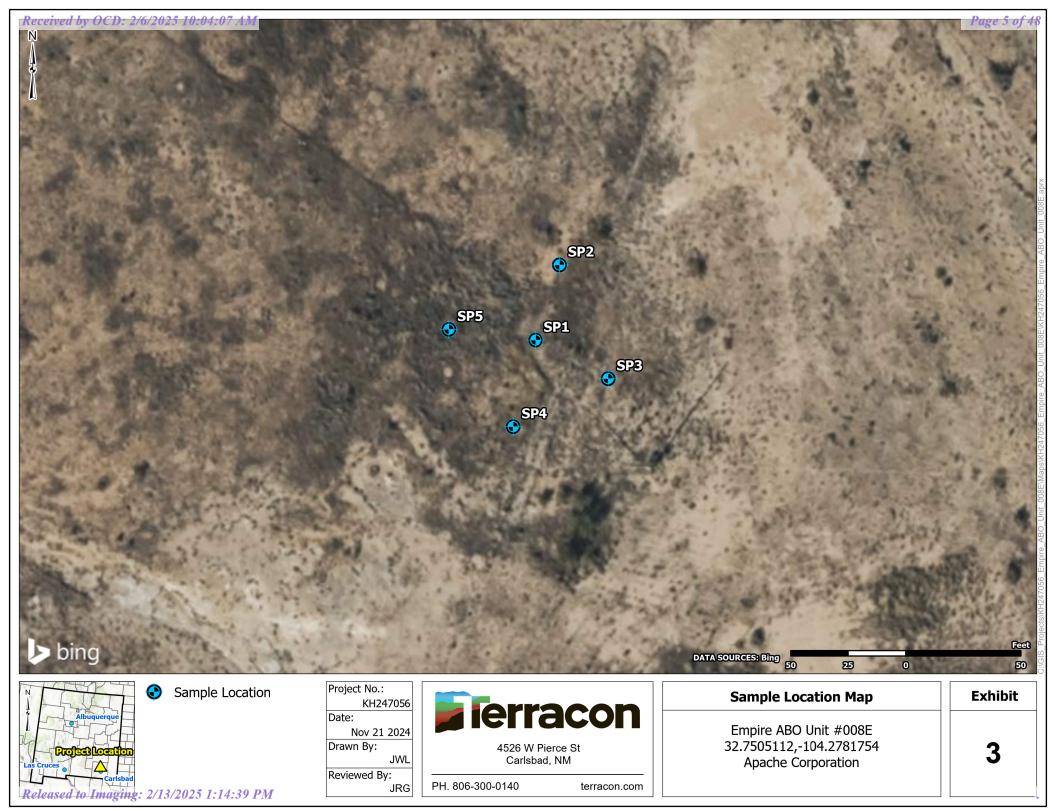
JWL Reviewed By: JRG

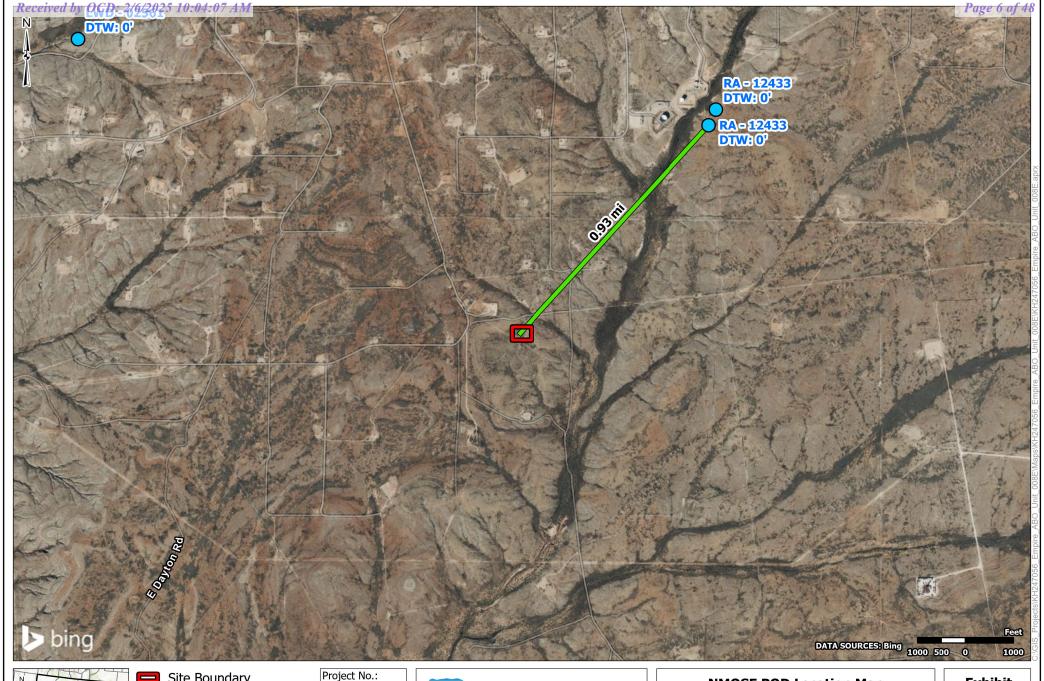


4526 W Pierce St Carlsbad, NM

PH. 806-300-0140 terracon.com

Empire ABO Unit #008E 32.7505112,-104.2781754 **Apache Corporation** 







Site Boundary

**NMOSE POD Location** 

Date: Nov 21 2024 Drawn By:

JWL

KH247056

Reviewed By: **JRG** 



4526 W Pierce St Carlsbad, NM

PH. 806-300-0140 terracon.com

## **NMOSE POD Location Map**

Empire ABO Unit #008E 32.7505112,-104.2781754 **Apache Corporation** 

**Exhibit** 





KH247056 Date:

Nov 21 2024

Drawn By: JWL

Reviewed By: **JRG** 



4526 W Pierce St Carlsbad, NM

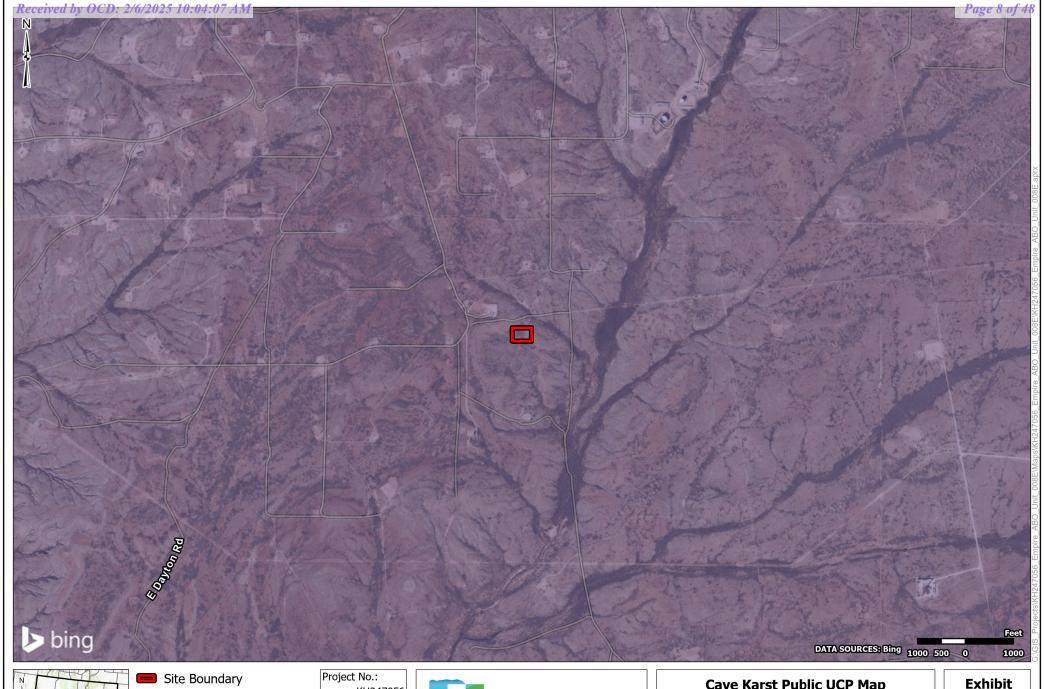
PH. 806-300-0140 terracon.com

# **Designated Wetland Area Map**

Empire ABO Unit #008E 32.7505112,-104.2781754 **Apache Corporation** 

**Exhibit** 

5





KH247056

Date:

Nov 21 2024 Drawn By:

JWL Reviewed By:

**JRG** 



4526 W Pierce St Carlsbad, NM

PH. 806-300-0140

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# **Cave Karst Public UCP Map**

Empire ABO Unit #008E 32.7505112,-104.2781754 **Apache Corporation** 

**Exhibit** 

6





Photo 1 Point of SP1



Photo 2 Point of SP2





Photo 3 Point of SP3



Photo 4 Point of SP4

Empire ABO Unit #008E Eddy County
11/26/2024 NMOCD ID: nMCS0219153649





Photo 5 Point of SP5

## Table 1 Soil Analytical Results Summary - Release Assessment Project Code: KH247056 NMOCD Reference No. nMCS0219153640

|            |                  |                               |                |                  | NMOCD Refer         | ence No. nMC        | S0219153649                        |                                   |   |   |  |
|------------|------------------|-------------------------------|----------------|------------------|---------------------|---------------------|------------------------------------|-----------------------------------|---|---|--|
| Sample ID  | Sample Date      | Sample Depth<br>(ft bgs)      | Sample<br>Type | Sample<br>Status | Chloride<br>(mg/Kg) | Benzene<br>(mg/Kg)  | Total BTEX <sup>1</sup><br>(mg/Kg) | Total TPH <sup>2</sup><br>(mg/Kg) | Gasoline Range<br>Organics<br>(C6-C10)<br>(mg/Kg) | Diesel Range<br>Organics<br>(Over C10-C28)<br>(mg/Kg) | Oil Range<br>Organics<br>(Over C28-C36)<br>(mg/Kg) |
|            |                  |                               |                |                  | EPA Method<br>300   | EPA Method<br>8021B | EPA Method<br>8021B                | EPA Method<br>8015M               | EPA Method 8015M                                  | EPA Method 8015M                                      | EPA Method<br>8015M                                |
|            |                  |                               | L              |                  |                     | e Assessment        |                                    | 001511                            |   |   | 001511   |
|            | 11/22/2024       | 0 - 1                         | Grab           | In-Situ          | 32                  | ND                  | ND                                 | ND                                | ND  | ND  | ND   |
| SP1        | 11/22/2024       | 1 - 2                         | Grab           | In-Situ          | 32                  | ND                  | ND                                 | ND                                | ND  | ND  | ND   |
| SPI        | 11/22/2024       | 2 - 3                         | Grab           | In-Situ          | 16                  | ND                  | ND                                 | ND                                | ND  | ND  | ND   |
|            | 11/22/2024       | 3 - 4                         | Grab           | In-Situ          | 16                  | ND                  | ND                                 | ND                                | ND  | ND  | ND   |
|            | 11/22/2024       | 0 - 1                         | Grab           | In-Situ          | 48                  | ND                  | ND                                 | ND                                | ND  | ND  | ND   |
| SP2        | 11/22/2024       | 1 - 2                         | Grab           | In-Situ          | 16                  | ND                  | ND                                 | ND                                | ND  | ND  | ND   |
| 312        | 11/22/2024       | 2 - 3                         | Grab           | In-Situ          | 32                  | ND                  | ND                                 | ND                                | ND  | ND  | ND   |
|            | 11/22/2024       | 3 - 4                         | Grab           | In-Situ          | 16                  | ND                  | ND                                 | ND                                | ND  | ND  | ND   |
|            | 11/22/2024       | 0 - 1                         | Grab           | In-Situ          | 240                 | ND                  | ND                                 | ND                                | ND  | ND  | ND   |
| SP3        | 11/22/2024       | 1 - 2                         | Grab           | In-Situ          | 304                 | ND                  | ND                                 | ND                                | ND  | ND  | ND   |
| 51.5       | 11/22/2024       | 2 - 3                         | Grab           | In-Situ          | 176                 | ND                  | ND                                 | ND                                | ND  | ND  | ND   |
|            | 11/22/2024       | 3 - 4                         | Grab           | In-Situ          | 16                  | ND                  | ND                                 | ND                                | ND  | ND  | ND   |
|            | 11/22/2024       | 0 - 1                         | Grab           | In-Situ          | 48                  | ND                  | ND                                 | ND                                | ND  | ND  | ND   |
| SP4        | 11/22/2024       | 1 - 2                         | Grab           | In-Situ          | 32                  | ND                  | ND                                 | ND                                | ND  | ND  | ND   |
| J          | 11/22/2024       | 2 - 3                         | Grab           | In-Situ          | 16                  | ND                  | ND                                 | ND                                | ND  | ND  | ND   |
|            | 11/22/2024       | 3 - 4                         | Grab           | In-Situ          | 48                  | ND                  | ND                                 | ND                                | ND  | ND  | ND   |
|            | 11/22/2024       | 0 - 1                         | Grab           | In-Situ          | ND                  | ND                  | ND                                 | ND                                | ND  | ND  | ND   |
| SP3        | 11/22/2024       | 1 - 2                         | Grab           | In-Situ          | ND                  | ND                  | ND                                 | ND                                | ND  | ND  | ND   |
|            | 11/22/2024       | 2 - 3                         | Grab           | In-Situ          | ND                  | ND                  | ND                                 | ND                                | ND  | ND  | ND   |
|            |                  | tandards³ (Surfa              |                |                  | 600                 | 10                  | 50                                 | 100                               | N/A   |   | NA   |
| NMOCD Reme | ediation Standar | rds <sup>4</sup> (Greater tha | n Depths of    | f 4 ft bgs)      | 600                 | 10                  | 50                                 | 100                               | N/  | NA  |  |

<sup>1.</sup> BTEX = Benzene, Toluene, Ethylbenzene, and total Xylenes

Bold denotes concentrations above applicable laboratory SDLs.

Bold and Highlighted values exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.

In-situ = Sample is representative of material which remains in-place at the site.

Excavated = Sample is representative of materials which was excavated and disposed of at a permitted disposal facility



Data Entry:

Reviewed By:

<sup>2.</sup> TPH = Total Petroleum Hydrocarbons
3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft. bgs
4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N, 8/14/2018

ND = Constituent was not detected above the indicated laboratory sample detection limit (SDL).

NA = Not Applicable



November 25, 2024

JOSEPH GUESNIER
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: EMPIRE ABO UNIT #008E

Enclosed are the results of analyses for samples received by the laboratory on 11/22/24 14:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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)

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Accreditation applies to public drinking water matrices.

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

TERRACON CONSULTANTS JOSEPH GUESNIER 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/22/2024 Reported: 11/25/2024

EMPIRE ABO UNIT #008E

mg/kg

Project Name: Project Number: KH247056

Project Location: APACHE - Sampling Date: 11/22/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

## Sample ID: SP 1 (0-1') (H247183-01)

BTEX 8021B

|                                      | 9,     | 9               |            |              |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 2.05 | 102        | 2.00          | 0.987 |           |
| Toluene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 1.96 | 98.0       | 2.00          | 1.92  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 11/23/2024 | ND           | 1.96 | 98.1       | 2.00          | 2.03  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 11/23/2024 | ND           | 5.82 | 97.1       | 6.00          | 1.80  |           |
| Total BTEX                           | <0.300 | 0.300           | 11/23/2024 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 97.2   | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg     | /kg             | Analyze    | ed By: AC    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 32.0   | 16.0            | 11/25/2024 | ND           | 448  | 112        | 400           | 3.51  |           |
| 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            | 11/22/2024 | ND           | 216  | 108        | 200           | 1.99  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 11/22/2024 | ND           | 218  | 109        | 200           | 1.96  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 11/22/2024 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 100    | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 110    | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

TERRACON CONSULTANTS JOSEPH GUESNIER 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/22/2024 Reported: 11/25/2024

Project Name: EMPIRE ABO UNIT #008E Project Number: KH247056

Project Location: APACHE -

Sampling Date: 11/22/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

### Sample ID: SP 1 (1-2') (H247183-02)

RTFY 8021R

| BIEX 8021B                           | mg,    | кg              | Anaiyze    | a By: JH     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 2.05 | 102        | 2.00          | 0.987 |           |
| Toluene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 1.96 | 98.0       | 2.00          | 1.92  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 11/23/2024 | ND           | 1.96 | 98.1       | 2.00          | 2.03  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 11/23/2024 | ND           | 5.82 | 97.1       | 6.00          | 1.80  |           |
| Total BTEX                           | <0.300 | 0.300           | 11/23/2024 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 95.6   | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-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            | 11/25/2024 | ND           | 448  | 112        | 400           | 3.51  |           |
| 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            | 11/22/2024 | ND           | 216  | 108        | 200           | 1.99  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 11/22/2024 | ND           | 218  | 109        | 200           | 1.96  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 11/22/2024 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 90.9   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 98.4   | % 49.1-14       | 8          |              |      |            |               |       |           |

Applyzod By: 14

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

TERRACON CONSULTANTS JOSEPH GUESNIER 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/22/2024 Sampling Date: 11/22/2024

Reported: 11/25/2024 Sampling Type: Soil

Project Name: EMPIRE ABO UNIT #008E Sampling Condition: Cool & Intact
Project Number: KH247056 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: APACHE -

#### Sample ID: SP 1 (2-3') (H247183-03)

BTEX 8021B

|                                      | 9,     | 9               | 7          | 7: :         |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 2.05 | 102        | 2.00          | 0.987 |           |
| Toluene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 1.96 | 98.0       | 2.00          | 1.92  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 11/23/2024 | ND           | 1.96 | 98.1       | 2.00          | 2.03  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 11/23/2024 | ND           | 5.82 | 97.1       | 6.00          | 1.80  |           |
| Total BTEX                           | <0.300 | 0.300           | 11/23/2024 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 96.0   | % 71.5-13       | 4          |              |      |            |               |       |           |
| 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            | 11/25/2024 | ND           | 448  | 112        | 400           | 3.51  |           |
| 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            | 11/22/2024 | ND           | 216  | 108        | 200           | 1.99  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 11/22/2024 | ND           | 218  | 109        | 200           | 1.96  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 11/22/2024 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 91.8   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 99.0   | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

TERRACON CONSULTANTS JOSEPH GUESNIER 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/22/2024 Sampling Date: 11/22/2024

Reported: Sampling Type: Soil 11/25/2024

Project Name: EMPIRE ABO UNIT #008E Sampling Condition: Cool & Intact Project Number: KH247056 Sample Received By: Shalyn Rodriguez

Project Location: APACHE -

## Sample ID: SP 1 (3-4') (H247183-04)

| BTEX 8021B                           | mg/    | /kg             | Analyze         | d By: JH     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 11/23/2024      | ND           | 2.05 | 102        | 2.00          | 0.987 |           |
| Toluene*                             | <0.050 | 0.050           | 11/23/2024      | ND           | 1.96 | 98.0       | 2.00          | 1.92  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 11/23/2024      | ND           | 1.96 | 98.1       | 2.00          | 2.03  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 11/23/2024      | ND           | 5.82 | 97.1       | 6.00          | 1.80  |           |
| Total BTEX                           | <0.300 | 0.300           | 11/23/2024      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 97.0   | % 71.5-13       | 4               |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 |        | 'kg             | Analyzed By: AC |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 16.0   | 16.0            | 11/25/2024      | ND           | 448  | 112        | 400           | 3.51  |           |
| 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            | 11/22/2024      | ND           | 216  | 108        | 200           | 1.99  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 11/22/2024      | ND           | 218  | 109        | 200           | 1.96  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 11/22/2024      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 103 9  | % 48.2-13       | 4               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 110 9  | % 49.1-14       | 8               |              |      |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

TERRACON CONSULTANTS JOSEPH GUESNIER 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/22/2024 Reported:

11/25/2024 EMPIRE ABO UNIT #008E

Project Name: Project Number: KH247056 Project Location: APACHE -

Sampling Condition: Sample Received By:

Sampling Date: 11/22/2024

Sampling Type: Soil

> Cool & Intact Shalyn Rodriguez

#### Sample ID: SP 2 (0-1') (H247183-05)

| BTEX 8021B                           | mg,    | /kg             | Analyze         | d By: JH     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 11/23/2024      | ND           | 2.05 | 102        | 2.00          | 0.987 |           |
| Toluene*                             | <0.050 | 0.050           | 11/23/2024      | ND           | 1.96 | 98.0       | 2.00          | 1.92  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 11/23/2024      | ND           | 1.96 | 98.1       | 2.00          | 2.03  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 11/23/2024      | ND           | 5.82 | 97.1       | 6.00          | 1.80  |           |
| Total BTEX                           | <0.300 | 0.300           | 11/23/2024      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 96.5   | % 71.5-13       | 4               |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg/kg  |                 | Analyzed By: AC |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 48.0   | 16.0            | 11/25/2024      | ND           | 448  | 112        | 400           | 3.51  |           |
| 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            | 11/22/2024      | ND           | 216  | 108        | 200           | 1.99  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 11/22/2024      | ND           | 218  | 109        | 200           | 1.96  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 11/22/2024      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 107 :  | % 48.2-13       | 4               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 114 9  | % 49.1-14       | 8               |              |      |            |               |       |           |

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#### Analytical Results For:

TERRACON CONSULTANTS JOSEPH GUESNIER 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/22/2024 Sampling Date: 11/22/2024

Reported: 11/25/2024 Sampling Type: Soil

Project Name: EMPIRE ABO UNIT #008E Sampling Condition: Cool & Intact
Project Number: KH247056 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: APACHE -

## Sample ID: SP 2 (1-2') (H247183-06)

BTEX 8021B

|                                      | 9/     | 9               | 7111411720 |              |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 2.05 | 102        | 2.00          | 0.987 |           |
| Toluene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 1.96 | 98.0       | 2.00          | 1.92  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 11/23/2024 | ND           | 1.96 | 98.1       | 2.00          | 2.03  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 11/23/2024 | ND           | 5.82 | 97.1       | 6.00          | 1.80  |           |
| Total BTEX                           | <0.300 | 0.300           | 11/23/2024 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 96.9   | % 71.5-13       | 4          |              |      |            |               |       |           |
| 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            | 11/25/2024 | ND           | 448  | 112        | 400           | 3.51  |           |
| 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            | 11/22/2024 | ND           | 216  | 108        | 200           | 1.99  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 11/22/2024 | ND           | 218  | 109        | 200           | 1.96  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 11/22/2024 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 110    | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 119    | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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#### Analytical Results For:

TERRACON CONSULTANTS JOSEPH GUESNIER 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/22/2024 Sampling Date: 11/22/2024

Reported: 11/25/2024 Sampling Type: Soil

Project Name: EMPIRE ABO UNIT #008E Sampling Condition: Cool & Intact
Project Number: KH247056 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: APACHE -

## Sample ID: SP 2 ( 2-3' ) (H247183-07)

BTEX 8021B

|                                      | 9/     | 9               | 7          | <u></u>      |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 2.05 | 102        | 2.00          | 0.987 |           |
| Toluene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 1.96 | 98.0       | 2.00          | 1.92  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 11/23/2024 | ND           | 1.96 | 98.1       | 2.00          | 2.03  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 11/23/2024 | ND           | 5.82 | 97.1       | 6.00          | 1.80  |           |
| Total BTEX                           | <0.300 | 0.300           | 11/23/2024 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 96.7   | % 71.5-13       | 4          |              |      |            |               |       |           |
| 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            | 11/25/2024 | ND           | 448  | 112        | 400           | 3.51  |           |
| 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            | 11/22/2024 | ND           | 216  | 108        | 200           | 1.99  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 11/22/2024 | ND           | 218  | 109        | 200           | 1.96  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 11/22/2024 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 106    | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 115    | % 49.1-14       | 8          |              |      |            |               |       |           |

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#### Analytical Results For:

TERRACON CONSULTANTS JOSEPH GUESNIER 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/22/2024 Sampling Date: 11/22/2024

Reported: 11/25/2024 Sampling Type: Soil

Project Name: EMPIRE ABO UNIT #008E Sampling Condition: Cool & Intact
Project Number: KH247056 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: APACHE -

#### Sample ID: SP 2 (3-4') (H247183-08)

BTEX 8021B

|                                      | <u> </u> |                 |            | . ,          |      |            |               |       |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 11/23/2024 | ND           | 2.05 | 102        | 2.00          | 0.987 |           |
| Toluene*                             | <0.050   | 0.050           | 11/23/2024 | ND           | 1.96 | 98.0       | 2.00          | 1.92  |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 11/23/2024 | ND           | 1.96 | 98.1       | 2.00          | 2.03  |           |
| Total Xylenes*                       | <0.150   | 0.150           | 11/23/2024 | ND           | 5.82 | 97.1       | 6.00          | 1.80  |           |
| Total BTEX                           | <0.300   | 0.300           | 11/23/2024 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 95.8     | % 71.5-13       | 4          |              |      |            |               |       |           |
| 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            | 11/25/2024 | ND           | 448  | 112        | 400           | 3.51  |           |
| 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            | 11/23/2024 | ND           | 216  | 108        | 200           | 1.99  |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 11/23/2024 | ND           | 218  | 109        | 200           | 1.96  |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 11/23/2024 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 113      | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 127      | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |          |                 |            |              |      |            |               |       |           |

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#### Analytical Results For:

TERRACON CONSULTANTS JOSEPH GUESNIER 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/22/2024 Reported: 11/25/2024

Project Name: EMPIRE ABO UNIT #008E

Project Number: KH247056

Project Location: APACHE - Sampling Date: 11/22/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

### Sample ID: SP 3 (0-1') (H247183-09)

| BTEX 8021B                           | mg/    | kg              | Analyze         | d By: JH     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 11/23/2024      | ND           | 2.05 | 102        | 2.00          | 0.987 |           |
| Toluene*                             | <0.050 | 0.050           | 11/23/2024      | ND           | 1.96 | 98.0       | 2.00          | 1.92  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 11/23/2024      | ND           | 1.96 | 98.1       | 2.00          | 2.03  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 11/23/2024      | ND           | 5.82 | 97.1       | 6.00          | 1.80  |           |
| Total BTEX                           | <0.300 | 0.300           | 11/23/2024      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 97.8   | % 71.5-13       | 4               |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg/kg  |                 | Analyzed By: AC |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 240    | 16.0            | 11/25/2024      | ND           | 448  | 112        | 400           | 3.51  |           |
| 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            | 11/23/2024      | ND           | 216  | 108        | 200           | 1.99  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 11/23/2024      | ND           | 218  | 109        | 200           | 1.96  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 11/23/2024      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 115 9  | % 48.2-13       | 4               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 127 9  | % 49.1-14       | 8               |              |      |            |               |       |           |

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#### Analytical Results For:

TERRACON CONSULTANTS JOSEPH GUESNIER 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/22/2024 Sampling Date: 11/22/2024

Reported: Sampling Type: Soil 11/25/2024

Project Name: EMPIRE ABO UNIT #008E Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez KH247056

Project Location: APACHE -

#### Sample ID: SP 3 (1-2') (H247183-10)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: JH     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 2.05 | 102        | 2.00          | 0.987 |           |
| Toluene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 1.96 | 98.0       | 2.00          | 1.92  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 11/23/2024 | ND           | 1.96 | 98.1       | 2.00          | 2.03  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 11/23/2024 | ND           | 5.82 | 97.1       | 6.00          | 1.80  |           |
| Total BTEX                           | <0.300 | 0.300           | 11/23/2024 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 97.2   | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 304    | 16.0            | 11/25/2024 | ND           | 448  | 112        | 400           | 3.51  |           |
| 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            | 11/23/2024 | ND           | 216  | 108        | 200           | 1.99  |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 11/23/2024 | ND           | 218  | 109        | 200           | 1.96  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 11/23/2024 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 111 %  | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 122 9  | % 49.1-14       | 8          |              |      |            |               |       |           |

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#### Analytical Results For:

TERRACON CONSULTANTS JOSEPH GUESNIER 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/22/2024 Reported: 11/25/2024

11/25/2024 Sampling Type: Soil

Sampling Date:

Project Name: EMPIRE ABO UNIT #008E
Project Number: KH247056
Project Location: APACHE -

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

11/22/2024

Sample ID: SP 3 ( 2-3' ) (H247183-11)

| BTEX 8021B                           | mg,              | /kg             | Analyze    | d By: JH        |      |            |               |       |           |
|--------------------------------------|------------------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result           | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050           | 0.050           | 11/23/2024 | ND              | 2.05 | 102        | 2.00          | 0.987 |           |
| Toluene*                             | <0.050           | 0.050           | 11/23/2024 | ND              | 1.96 | 98.0       | 2.00          | 1.92  |           |
| Ethylbenzene*                        | <0.050           | 0.050           | 11/23/2024 | ND              | 1.96 | 98.1       | 2.00          | 2.03  |           |
| Total Xylenes*                       | <0.150           | 0.150           | 11/23/2024 | ND              | 5.82 | 97.1       | 6.00          | 1.80  |           |
| Total BTEX                           | <0.300           | 0.300           | 11/23/2024 | ND              |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 95.8             | % 71.5-13       | 4          |                 |      |            |               |       |           |
| Chloride, SM4500CI-B                 | SM4500Cl-B mg/kg |                 | Analyze    | Analyzed By: AC |      |            |               |       |           |
| Analyte                              | Result           | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 176              | 16.0            | 11/25/2024 | ND              | 448  | 112        | 400           | 3.51  |           |
| 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            | 11/23/2024 | ND              | 216  | 108        | 200           | 1.99  |           |
| DRO >C10-C28*                        | <10.0            | 10.0            | 11/23/2024 | ND              | 218  | 109        | 200           | 1.96  |           |
| EXT DRO >C28-C36                     | <10.0            | 10.0            | 11/23/2024 | ND              |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 115              | % 48.2-13       | 4          |                 |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 128              | % 49.1-14       | 8          |                 |      |            |               |       |           |

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#### Analytical Results For:

TERRACON CONSULTANTS JOSEPH GUESNIER 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/22/2024 Reported: 11/25/2024

EMPIRE ABO UNIT #008E

Project Name: EMPIRE AB Project Number: KH247056

Project Location: APACHE -

Sampling Date: 11/22/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: SP 3 (3-4') (H247183-12)

BTEX 8021B

|                                      | <u> </u> |                 |            | • •          |      |            |               |       |           |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result   | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050   | 0.050           | 11/23/2024 | ND           | 2.05 | 102        | 2.00          | 0.987 |           |
| Toluene*                             | <0.050   | 0.050           | 11/23/2024 | ND           | 1.96 | 98.0       | 2.00          | 1.92  |           |
| Ethylbenzene*                        | <0.050   | 0.050           | 11/23/2024 | ND           | 1.96 | 98.1       | 2.00          | 2.03  |           |
| Total Xylenes*                       | <0.150   | 0.150           | 11/23/2024 | ND           | 5.82 | 97.1       | 6.00          | 1.80  |           |
| Total BTEX                           | <0.300   | 0.300           | 11/23/2024 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 95.8     | % 71.5-13       | 4          |              |      |            |               |       |           |
| 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            | 11/25/2024 | ND           | 448  | 112        | 400           | 3.51  |           |
| 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            | 11/22/2024 | ND           | 203  | 101        | 200           | 0.204 |           |
| DRO >C10-C28*                        | <10.0    | 10.0            | 11/22/2024 | ND           | 211  | 105        | 200           | 0.294 |           |
| EXT DRO >C28-C36                     | <10.0    | 10.0            | 11/22/2024 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 92.3     | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 94.1     | % 49.1-14       | 8          |              |      |            |               |       |           |
|                                      |          |                 |            |              |      |            |               |       |           |

Analyzed By: JH

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#### Analytical Results For:

TERRACON CONSULTANTS JOSEPH GUESNIER 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/22/2024 Sampling Date: Sampling Type: 11/22/2024 Soil

Reported: Project Name: 11/25/2024 EMPIRE ABO UNIT #008E

Sampling Condition:

Cool & Intact

Project Number:

KH247056

Sample Received By:

Shalyn Rodriguez

Project Location:

APACHE -

#### Sample ID: SP 4 (0-1') (H247183-13)

| BTEX 8021B                           | mg/    | 'kg             | Analyze    | d By: JH     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 2.19 | 110        | 2.00          | 2.95  |           |
| Toluene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 2.25 | 112        | 2.00          | 3.81  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 11/23/2024 | ND           | 2.16 | 108        | 2.00          | 4.11  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 11/23/2024 | ND           | 6.91 | 115        | 6.00          | 3.18  |           |
| Total BTEX                           | <0.300 | 0.300           | 11/23/2024 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 105 9  | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-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            | 11/25/2024 | ND           | 448  | 112        | 400           | 3.51  |           |
| 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            | 11/22/2024 | ND           | 203  | 101        | 200           | 0.204 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 11/22/2024 | ND           | 211  | 105        | 200           | 0.294 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 11/22/2024 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 106 9  | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 110 9  | % 49.1-14       | 8          |              |      |            |               |       |           |

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#### Analytical Results For:

TERRACON CONSULTANTS JOSEPH GUESNIER 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/22/2024 Sampling Date: 11/22/2024 Reported: 11/25/2024 Sampling Type: Soil

Project Name: EMPIRE ABO UNIT #008E Sampling Condition: Cool & Intact Project Number: KH247056 Sample Received By: Shalyn Rodriguez

Project Location: APACHE -

## Sample ID: SP 4 (1-2') (H247183-14)

| BTEX 8021B                           | mg/    | 'kg             | Analyze    | d By: JH     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 2.19 | 110        | 2.00          | 2.95  |           |
| Toluene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 2.25 | 112        | 2.00          | 3.81  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 11/23/2024 | ND           | 2.16 | 108        | 2.00          | 4.11  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 11/23/2024 | ND           | 6.91 | 115        | 6.00          | 3.18  |           |
| Total BTEX                           | <0.300 | 0.300           | 11/23/2024 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 105 9  | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-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            | 11/25/2024 | ND           | 448  | 112        | 400           | 3.51  |           |
| 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            | 11/22/2024 | ND           | 203  | 101        | 200           | 0.204 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 11/22/2024 | ND           | 211  | 105        | 200           | 0.294 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 11/22/2024 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 101 9  | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 103 9  | % 49.1-14       | 8          |              |      |            |               |       |           |

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#### Analytical Results For:

TERRACON CONSULTANTS JOSEPH GUESNIER 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/22/2024 Reported:

11/25/2024 EMPIRE ABO UNIT #008E

Project Name: Project Number: KH247056 APACHE -

Project Location:

Sampling Date: 11/22/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

#### Sample ID: SP 4 (2-3') (H247183-15)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: JH     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 2.19 | 110        | 2.00          | 2.95  |           |
| Toluene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 2.25 | 112        | 2.00          | 3.81  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 11/23/2024 | ND           | 2.16 | 108        | 2.00          | 4.11  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 11/23/2024 | ND           | 6.91 | 115        | 6.00          | 3.18  |           |
| Total BTEX                           | <0.300 | 0.300           | 11/23/2024 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 106 9  | % 71.5-13       | 4          |              |      |            |               |       |           |
| 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            | 11/25/2024 | ND           | 448  | 112        | 400           | 3.51  |           |
| 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            | 11/22/2024 | ND           | 203  | 101        | 200           | 0.204 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 11/22/2024 | ND           | 211  | 105        | 200           | 0.294 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 11/22/2024 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 101 9  | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 103 9  | % 49.1-14       | 8          |              |      |            |               |       |           |

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11/22/2024

Soil

#### Analytical Results For:

TERRACON CONSULTANTS JOSEPH GUESNIER 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/22/2024 Sampling Date:
Reported: 11/25/2024 Sampling Type:

Project Name: EMPIRE ABO UNIT #008E Sampling Condition: Cool & Intact
Project Number: KH247056 Sample Received By: Shalyn Rodriguez

Project Location: APACHE -

#### Sample ID: SP 4 ( 3-4' ) (H247183-16)

| BTEX 8021B                           | mg,    | 'kg             | Analyze    | d By: JH     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 2.19 | 110        | 2.00          | 2.95  |           |
| Toluene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 2.25 | 112        | 2.00          | 3.81  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 11/23/2024 | ND           | 2.16 | 108        | 2.00          | 4.11  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 11/23/2024 | ND           | 6.91 | 115        | 6.00          | 3.18  |           |
| Total BTEX                           | <0.300 | 0.300           | 11/23/2024 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 106    | % 71.5-13       | 4          |              |      |            |               |       |           |
| 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            | 11/25/2024 | ND           | 448  | 112        | 400           | 3.51  |           |
| 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            | 11/22/2024 | ND           | 203  | 101        | 200           | 0.204 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 11/22/2024 | ND           | 211  | 105        | 200           | 0.294 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 11/22/2024 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 103    | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 105    | % 49.1-14       | 8          |              |      |            |               |       |           |

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#### Analytical Results For:

TERRACON CONSULTANTS JOSEPH GUESNIER 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/22/2024 Sampling Date:

11/22/2024

Soil

Reported: Project Name:

11/25/2024

Sampling Type:

Project Number:

EMPIRE ABO UNIT #008E KH247056

Sampling Condition: Cool & Intact Sample Received By:

Shalyn Rodriguez

Project Location:

APACHE -

### Sample ID: SP 5 (0-1') (H247183-17)

| BTEX 8021B                           | mg,    | 'kg             | Analyze    | d By: JH     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 2.19 | 110        | 2.00          | 2.95  |           |
| Toluene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 2.25 | 112        | 2.00          | 3.81  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 11/23/2024 | ND           | 2.16 | 108        | 2.00          | 4.11  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 11/23/2024 | ND           | 6.91 | 115        | 6.00          | 3.18  |           |
| Total BTEX                           | <0.300 | 0.300           | 11/23/2024 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 104    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | 'kg             | Analyze    | d By: CT     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0  | 16.0            | 11/25/2024 | ND           | 432  | 108        | 400           | 3.77  |           |
| 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            | 11/22/2024 | ND           | 203  | 101        | 200           | 0.204 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 11/22/2024 | ND           | 211  | 105        | 200           | 0.294 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 11/22/2024 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 89.0   | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 90.8   | % 49.1-14       | 8          |              |      |            |               |       |           |

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#### Analytical Results For:

TERRACON CONSULTANTS JOSEPH GUESNIER 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/22/2024 Reported:

11/25/2024 EMPIRE ABO UNIT #008E

Project Name: Project Number: KH247056

Project Location: APACHE - Sampling Date: 11/22/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

#### Sample ID: SP 5 (1-2') (H247183-18)

| BTEX 8021B                           | mg,    | 'kg             | Analyze    | d By: JH     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 2.19 | 110        | 2.00          | 2.95  |           |
| Toluene*                             | <0.050 | 0.050           | 11/23/2024 | ND           | 2.25 | 112        | 2.00          | 3.81  |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 11/23/2024 | ND           | 2.16 | 108        | 2.00          | 4.11  |           |
| Total Xylenes*                       | <0.150 | 0.150           | 11/23/2024 | ND           | 6.91 | 115        | 6.00          | 3.18  |           |
| Total BTEX                           | <0.300 | 0.300           | 11/23/2024 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 106    | % 71.5-13       | 4          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | 'kg             | Analyze    | d By: CT     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0  | 16.0            | 11/25/2024 | ND           | 432  | 108        | 400           | 3.77  |           |
| 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            | 11/22/2024 | ND           | 203  | 101        | 200           | 0.204 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 11/22/2024 | ND           | 211  | 105        | 200           | 0.294 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 11/22/2024 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 106    | % 48.2-13       | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 107    | % 49.1-14       | 8          |              |      |            |               |       |           |

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with Sigh



#### Analytical Results For:

TERRACON CONSULTANTS JOSEPH GUESNIER 5827 50TH ST. SUITE 1 LUBBOCK TX, 79424 Fax To:

Received: 11/22/2024 Sampling Date: 11/22/2024

Reported: 11/25/2024 Sampling Type: Soil

Project Name: EMPIRE ABO UNIT #008E Sampling Condition: Cool & Intact
Project Number: KH247056 Sample Received By: Shalyn Rodriguez

Project Location: APACHE -

## Sample ID: SP 5 ( 2-3' ) (H247183-19)

| Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS           Benzene*         <0.050         0.050         11/23/2024         ND         2.19           Toluene*         <0.050         0.050         11/23/2024         ND         2.25 | % Recovery 110 112 108 | True Value QC<br>2.00<br>2.00 | RPD<br>2.95<br>3.81 | Qualifier |
|---|------------------------|-------------------------------|---------------------|-----------|
|   | 112                    | 2.00                          |                     |           |
| Toluene* <0.050 0.050 11/23/2024 ND 2.25  |                        |                               | 3.81                |           |
|   | 108                    |                               |                     |           |
| Ethylbenzene* <0.050 0.050 11/23/2024 ND 2.16   |                        | 2.00                          | 4.11                |           |
| Total Xylenes* <0.150 0.150 11/23/2024 ND 6.91  | 115                    | 6.00                          | 3.18                |           |
| Total BTEX <0.300 0.300 11/23/2024 ND   |                        |                               |                     |           |
| Surrogate: 4-Bromofluorobenzene (PID 105 % 71.5-134   |                        |                               |                     |           |
| Chloride, SM4500Cl-B mg/kg Analyzed By: CT  |                        |                               |                     |           |
| Analyte Result Reporting Limit Analyzed Method Blank BS   | % Recovery             | True Value QC                 | RPD                 | Qualifier |
| Chloride <16.0 16.0 11/25/2024 ND 432   | 108                    | 400                           | 3.77                |           |
| TPH 8015M mg/kg Analyzed By: MS   |                        |                               |                     |           |
| Analyte Result Reporting Limit Analyzed Method Blank BS   | % Recovery             | True Value QC                 | RPD                 | Qualifier |
| GRO C6-C10* <10.0 10.0 11/22/2024 ND 203  | 101                    | 200                           | 0.204               |           |
| DRO >C10-C28* <10.0 10.0 11/22/2024 ND 211  | 105                    | 200                           | 0.294               |           |
| EXT DRO >C28-C36 <10.0 10.0 11/22/2024 ND   |                        |                               |                     |           |
| Surrogate: 1-Chlorooctane 100 % 48.2-134  |                        |                               |                     |           |
| Surrogate: 1-Chlorooctadecane 103 % 49.1-148  |                        |                               |                     |           |

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#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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|   |                            |                                     |  |                                       | CHAIN OF CUSTODY RECORD  |
|---|----------------------------|-------------------------------------|--|---------------------------------------|--|
| D   |                            |                                     | Address: 6701 Aberdeen   | REQUESTED                             | DUE DATE:  |
| Office Location                                 | Lubbock                    |                                     | Lubbock, Texas 79424   |                                       | WHEN RECEIVED (°C)   |
|   |                            |                                     | Contact: (806)787-0744   |                                       | -  |
| '   | Joseph Guesnier            | er .                                |  |                                       | Page of O  |
|   | Jack Kirkpatrick           |                                     | Sampler's Signature  |                                       |  |
|   |                            |                                     | 2- tole  | ))                                    |  |
| Project Number                                  | P                          | Project Name                        | No. Type of Container  | )<br>1B)                              |  |
| KH247056  |                            | Empire ABO Unit #008E               | (  | 015                                   |  |
| Matrix Date Time                                | Comp<br>Grab               | Identifying Marks of Sample(s)      | rt Depth<br>(FT)<br>d Depth<br>(FT)<br>DZ Glass                          | H (EXT 86                             | SSILNET  |
| 14 /00 /000                                     | +                          |                                     | En   | вт                                    | Lab Sample ID  |
| 11/22/2024                                      | >                          | SP1 (0-1')                          | 0 1 X  | ×                                     |  |
| S 11/22/2024 [003                               | ×                          | SP1 (1-2')                          | 2  | < >                                   |  |
| S 11/22/2024 1007                               | ×                          | SP1 (2-3')                          | u 1  | ×                                     |  |
|   | ×                          | SP1 (3-4')                          | · u  | ×                                     |  |
| Z   | 7                          | A Destruction of                    | 1 3 4 X  | ×                                     |  |
| S 11/22/2024 1015                               | × ;                        | SB3 (0.1.1)                         | 100000000000000000000000000000000000000                                  | 325                                   | JK 11/22/24  |
| 11/22/2021                                      | <                          |                                     | 0 1 x  | ×                                     |  |
| 11/22/2024                                      | >                          | SPZ (1-Z')                          | 1 2 X  | ×                                     |  |
| 5 11/22/2024 [075                               | ×                          | SP2 (2-3')                          | 2 3 X  | ×                                     |  |
| S 11/22/2024 1030                               | ×                          | SP2 (3-4')                          | 4  | < ;                                   |  |
| M Modernik                                      | man                        | となると                                | 2  | +                                     | 11/00  |
| S 11/22/2024 1045                               | ×                          | SP3 (0-1')                          | 1  | × × × × × ×                           | 12/22/11 N   |
| Relinquished by Signature)                      |                            | □ 72-Hour Rush                      | 24-Hour Rush TRRP Laboratory Review Checklist                            | □ Yes □                               | No   |
| Relinquished by (Signature)                     |                            | 11/22/24 HO3                        | Received by (Signature)  SLOCK OMM  Date:                                |                                       | Bill To: Apache Corporation attn: Bruce Baker  |
|   |                            | Unite: Time:                        | Received by (Signature)  | Time:                                 |  |
| Relinquished by (Signature)                     |                            | Date: Time:                         | Received by (Signature)  | Time: e-mail results to:              |  |
| Relinquished by (Signature)                     |                            | Date: Time:                         | Received by (Signature) Date:  | Time: ioseph.guesi                    | jack.kirkpatrick@terracon.com<br>joseph.guesnier@terracon.com  |
| Matrix WW-Wastewater Container VOA - 40 ml vial | W - Water<br>A/G - Amber G | Glass 11. 250 ml = Glass wide mouth | A - Air Bag C - Charcoal tube St - Studge P/O - Plastic or other _ Wijpe | S S S S S S S S S S S S S S S S S S S | SECTION OF THE PROPERTY OF THE |
|   |                            | Lubbock Office = 5847               | FOUL CLUES I   |                                       |  |
|   |                            |                                     | 304/ 30th Street m Lubbock, Texas 79424                                  | ■ 805-300-0140                        |  |

Page 22 of 24

| R   | 0=4 N2V2                           | Bill To: | × × × × × × × × ×                           | Time: Time: X X X X X X X X X X X X X X X X X X X | 3 X 4 X 1 X 2 X 2 X 3 X 3 X 1 X 1 X Date:  Once:  O | Tatory Report State Stat | 1   5   4   3   2   1   5   4   3   2   2   2   2   2   2   2   2   2 | 1 2 3 3 4 4 5 5 1 1 2 2 3 3 4 4 5 5 1 1 2 2 3 3 4 4 5 5 1 1 2 2 3 3 4 5 5 1 1 2 2 3 3 4 5 1 1 2 2 3 3 4 5 1 1 2 2 3 3 4 5 1 1 2 2 3 3 4 5 1 1 2 2 3 3 4 5 1 1 2 2 3 3 4 5 1 1 2 2 3 3 4 5 1 1 2 2 3 3 4 5 1 1 2 2 3 3 4 5 1 1 2 2 3 3 4 5 1 1 2 2 3 3 4 5 1 1 2 2 3 3 4 5 1 1 1 2 2 3 3 4 5 1 1 1 2 2 3 3 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | by (Signature) by (Signature)   |                                  |                     | □ 72-Houl Date: □ 72-Houl Dat | ber Glass II. |  |                              | 22/202<br>22/202<br>22/202<br>22/202<br>22/202<br>22/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202<br>2/202 | S   11/2   TURNAROUSHEd by Relinquished By Re |
|-----|------------------------------------|----------|---|---|--|--|---|---|---|----------------------------------|---------------------|---|---------------|--|------------------------------|--|--|
| # 6 | Page 2 of 3  Hau 183 Lab Sample ID |          | TPH (EXT 8015)  BTEX (EPA 8021B)  REQUESTED |   | een exas 79424  No. Type of Containers   | 79424  | (FT) 7-0.   | Start Depth (FT) End Depth  | Address: 6701 Address: 6701 Phone: Contact: (806) Sampler's Signature Sampler's Signature Sampler's Signature Sampler's Signature Sampler's Signature | Phor Cont Sample (s)  SP3 (1-2') | Empir<br>ifying Mar | ier Ck Project Name   | × Grab Proje  | Joseph Guesnier Jack Kirkpatrick  Comp  A Grab | n n <u>şer</u> ne r KH247056 | Office Location  Project Manager Sampler's Name  Project Number  KH  Ma  Date  M  11/22/2024   | S Matrix Proj. Sam   |

Released to Imaging: 2/13/2025 1:14:39 PM

|   | 0.110   |              | Reliable  | es                                       | Responsive -                             | R                              |                |                       |                  |                                   |           |
|---|---|--------------|---|--|--|--------------------------------|----------------|-----------------------|------------------|-----------------------------------|-----------|
|   | 0140  | 806-300-0140 | Lubbock, Texas 79424                            |  | 5847 50th Street                         | Lubbock Office ■ 58            | Lubb           |                       |                  |                                   |           |
|   |   |              | SI Sludge                                       | C - Charcoal tube                        | A - Air Bag  P/O - Plastic or other Wipe | 250 ml = Glass wide mouth      |                | A/G - Amber Glass 11. | VOA - 40 ml vial | VOA                               | Container |
| terracon.com  terracon.com  erracon.com | ioseph.guesnier@terracon.com austin.worley@terracon.com | Time:        | Date:   |  | Received by (Signature)                  | Time:                          | Care           | W - Water             | WW-Wastewater    | WW                                | Matrix    |
|   | e-mail results to:                                      | Time:        | Date:   | e)                                       | Received by (Signature)                  | Time:                          | Date           |                       |                  | Relinquished by (Signature)       | Relinqui  |
|   |   | Time:        | Date:   | ē  | neceived by (Signature                   |                                | 7              |                       |                  | Relinquished by (Signature)       | Relinqu   |
| ation attn: Bruce Baker                 | o: Apache Co  | Time:        | Date:   | SAY.                                     | Recorded by (Signatu                     | 80HI M                         | 11/22<br>Date: |                       |                  | ished by (Sig Mure)               | No.       |
|   | □ Yes □ No  | cklist       | TRRP Laboratory Review Chec                     | TRRP La                                  | 24-Hour Rush                             | 72-Hour Rush                   | Date:          | 4                     |                  | TURNAROUND TIME                   | TURNA     |
|   |   |              |   |  |  |                                |                |                       |                  |                                   |           |
|   |   |              |   |  |  |                                |                |                       |                  |                                   | 7         |
|   |   |              |   |  |  |                                |                |                       |                  |                                   | TT        |
| Constant of the second                  | 8   | 2            | 2   | 4  | ,  | 1                              |                |                       |                  |                                   | П.        |
| 21                                      | 1   | 1            | *   | 13 4                                     | 200                                      | SP5 (3-4)                      | 4              | 2                     | THE              | 12/02/2024                        | 4         |
| Lab Sample ID                           | _   | +            | × 4   | 10                                       |  | SP5 (2-3')                     |                | ×                     | 1130             | 11/22/2024                        | 2 0       |
| Neuri83                                 | hloride (E  | PH (EXT 8    | 4 oz Glas                                       | Start Depth<br>(FT)<br>End Depth<br>(FT) | nple(s)                                  | Identifying Marks of Sample(s) | Iden           | Comp                  | Time             | Date                              | Matri     |
|   |   | 3015)        | No. Type of Containers                          |  | nit #008E                                | Empire ABO Unit #008E          | Project Name   |                       | KH247056         |                                   | ×         |
|   | ))  |              |   | Signature                                | Sampler's Signature                      |                                |                | Sack Milikbatilick    |                  | Project Number                    | Pro       |
| Page 3 of 3                             |   |              | 744   | (806)787-0744                            | Contact:                                 |                                | er             | Joseph Guesnier       |                  | Project Manager<br>Sampler's Name | Sa        |
| WHEN RECEIVED (°C)                      |   |              |   |  | Phone:                                   |                                |                | Lubbock               |                  | Office Location                   | 9         |
| DUE DATE:                               | TED   | REQUESTED    | leen<br>2007 2007 2007 2007 2007 2007 2007 2007 |  | Address:                                 |                                | 000            | 7                     | OT               |                                   |           |
| OT RECORD                               | STATE OF COSTOD   RECORD                                | ANIAIVO      |   | V: Xenco                                 | Laboratory:                              |                                |                |                       |                  |                                   | _         |

Page 24 of 24

| Received by OCD: 2/6/2025 | 10:04:07 AM               |
|---------------------------|---------------------------|
| Form C-141                | State of New Mexico       |
| Page 3                    | Oil Conservation Division |

|                | Page 37 of 48 |
|----------------|---------------|
| Incident ID    |               |
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

## **Site Assessment/Characterization**

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

| What is the shallowest depth to groundwater beneath the area affected by the release?  | (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 vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics. |            |  |
| Characterization Report Checklist: Each of the following items must be included in the report.   |            |  |
| <ul> <li>✓ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.</li> <li>✓ Field data</li> <li>✓ Data table of soil contaminant concentration data</li> </ul>                   |            |  |
| Depth to water determination  Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release  |            |  |

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.

☑ Boring or excavation logs

✓ Topographic/Aerial maps

✓ Photographs including date and GIS information

✓ Laboratory data including chain of custody

Received by OCD: 2/6/2025 10:04:07 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

|                | Page 38 of 48 |
|----------------|---------------|
| Incident ID    |               |
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |                                 |  |
|--|---------------------------------|--|
| Printed Name: Barrett W. Bole  | Title: Environmental Supervisor |  |
| Signature: Barrett W. Bole   | Date: 02/06/2025                |  |
| email: barrett.bole@apachecorp.com   | Telephone: 432.818.1108         |  |
|  |                                 |  |
| OCD Only   |                                 |  |
| Received by:   | Date:                           |  |
|  |                                 |  |

| Received by OCD: 2/6/2025 | 10:04:07 AM               |
|---------------------------|---------------------------|
| Form C-141                | State of New Mexico       |
| Page 6                    | Oil Conservation Division |

|                | Page 39 of 48 |
|----------------|---------------|
| Incident ID    |               |
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

## Closure

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

| Closure Report Attachment Checklist: Each of the follow   | ring items must be included in the closure report.  |
|---|---|
| A scaled site and sampling diagram as described in 19.15  | 5.29.11 NMAC  |
| Photographs of the remediated site prior to backfill or ph<br>must be notified 2 days prior to liner inspection)  | hotos of the liner integrity if applicable (Note: appropriate OCD District office   |
| Laboratory analyses of final sampling (Note: appropriate  | ODC District office must be notified 2 days prior to final sampling)  |
| Description of remediation activities   |   |
|   |   |
| and regulations all operators are required to report and/or file comay endanger public health or the environment. The acceptant should their operations have failed to adequately investigate and human health or the environment. In addition, OCD acceptant compliance with any other federal, state, or local laws and/or restore, reclaim, and re-vegetate the impacted surface area to the accordance with 19.15.29.13 NMAC including notification to the Printed Name:  Barrett W. Bole | emplete to the best of my knowledge and understand that pursuant to OCD rules certain release notifications and perform corrective actions for releases which use of a C-141 report by the OCD does not relieve the operator of liability and remediate contamination that pose a threat to groundwater, surface water, see of a C-141 report does not relieve the operator of responsibility for regulations. The responsible party acknowledges they must substantially the conditions that existed prior to the release or their final land use in the OCD when reclamation and re-vegetation are complete.  Environmental Supervisor  Title:  Date:  02/06/2025  Telephone:  432.818.1108 |
| OCD Only  |   |
| Received by:  | Date:   |
|   | party of liability should their operations have failed to adequately investigate and face water, human health, or the environment nor does not relieve the responsible and/or regulations.  |
| Closure Approved by:  | Date:   |
| Printed Name:   | Title:  |

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

QUESTIONS

Action 429059

## **QUESTIONS**

| Operator:               | OGRID:   |
|-------------------------|--|
| APACHE CORPORATION      | 873  |
| 303 Veterans Airpark Ln | Action Number:   |
| Midland, TX 79705       | 429059   |
|                         | Action Type:   |
|                         | [C-141] Revegetation Report C-141 (C-141-v-Revegetation) |

### QUESTIONS

| Prerequisites    |  |
|------------------|--|
| Incident ID (n#) | nMCS0219153649                                   |
| Incident Name    | NMCS0219153649 EMPIRE ABO #8 EAST @ 30-015-00910 |
| Incident Type    | Oil Release                                      |
| Incident Status  | Re-vegetation Report Received                    |
| Incident Well    | [30-015-00910] EMPIRE ABO UNIT #008E             |

| Location of Release Source                     |                    |
|--|--------------------|
| Please answer all the questions in this group. |                    |
| Site Name                                      | Empire ABO #8 East |
| Date Release Discovered                        | 06/21/2002         |
| Surface Owner                                  | State              |

| Incident Details   |             |
|--|-------------|
| Please answer all the questions in this group.   |             |
| Incident Type  | Oil Release |
| Did this release result in a fire or is the result of a fire   | No          |
| Did this release result in any injuries  | No          |
| Has this release reached or does it have a reasonable probability of reaching a watercourse          | No          |
| Has this release endangered or does it have a reasonable probability of endangering public health    | No          |
| Has this release substantially damaged or will it substantially damage property or the environment   | No          |
| Is this release of a volume that is or may with reasonable probability be detrimental to fresh water | No          |

| Nature and Volume of Release   |   |
|--|---|
| Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. |   |
| Crude Oil Released (bbls) Details  | Cause: Corrosion   Flow Line - Production   Crude Oil   Released: 0 BBL (Unknown Released Amount)   Recovered: 0 BBL   Lost: 0 BBL. |
| Produced Water Released (bbls) Details   | Not answered.   |
| Is the concentration of chloride in the produced water >10,000 mg/l  | Not answered.   |
| Condensate Released (bbls) Details   | Not answered.   |
| Natural Gas Vented (Mcf) Details   | Not answered.   |
| Natural Gas Flared (Mcf) Details   | Not answered.   |
| Other Released Details   | Not answered.   |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)                                 | Not answered.   |

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

QUESTIONS, Page 2

Action 429059

| QUESTI   | IONS (continued)   |
|--|--|
| Operator:  APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705  | OGRID:  873 Action Number: 429059  |
|  | Action Type:  [C-141] Revegetation Report C-141 (C-141-v-Revegetation)   |
| QUESTIONS  |  |
| Nature and Volume of Release (continued)   |  |
| Is this a gas only submission (i.e. only significant Mcf values reported)  | No, according to supplied volumes this does not appear to be a "gas only" report.  |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC   | Yes  |
| Reasons why this would be considered a submission for a notification of a major release  | From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.  |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.   | e. gas only) are to be submitted on the C-129 form.  |
| Initial Response The responsible party must undertake the following actions immediately unless they could create a s   | safety hazard that would result in injury.   |
| The source of the release has been stopped   | True   |
| The impacted area has been secured to protect human health and the environment   | True   |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices   | True   |
| All free liquids and recoverable materials have been removed and managed appropriately   | True   |
| If all the actions described above have not been undertaken, explain why   | Not answered.  |
|  | idation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative<br>ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of<br>evaluation in the follow-up C-141 submission.   |
| to report and/or file certain release notifications and perform corrective actions for releate OCD does not relieve the operator of liability should their operations have failed to | knowledge and understand that pursuant to OCD rules and regulations all operators are require ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or |
| I hereby agree and sign off to the above statement   | Name: Barrett Bole Title: EH&S Supervisor Email: barrett.bole@apachecorp.com Date: 02/06/2025  |

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

QUESTIONS, Page 3

Action 429059

**QUESTIONS** (continued)

| Operator:               | OGRID:   |
|-------------------------|--|
| APACHE CORPORATION      | 873  |
| 303 Veterans Airpark Ln | Action Number:   |
| Midland, TX 79705       | 429059   |
|                         | Action Type:   |
|                         | [C-141] Revegetation Report C-141 (C-141-v-Revegetation) |

## QUESTIONS

| Site Characterization   |   |
|---|---|
| Please answer all the questions in this group (only required when seeking remediation plan approva<br>release discovery date. | l and beyond). This information must be provided to the appropriate district office no later than 90 days after the |
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)    | Less than or equal 25 (ft.)   |
| What method was used to determine the depth to ground water   | NM OSE iWaters Database Search  |
| Did this release impact groundwater or surface water  | No  |
| What is the minimum distance, between the closest lateral extents of the release and the following surface areas:             |   |
| A continuously flowing watercourse or any other significant watercourse   | Greater than 5 (mi.)  |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)   | Between 1 and 5 (mi.)   |
| An occupied permanent residence, school, hospital, institution, or church   | Between 1 and 5 (mi.)   |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes     | Between 1 and 5 (mi.)   |
| Any other fresh water well or spring  | Between ½ and 1 (mi.)   |
| Incorporated municipal boundaries or a defined municipal fresh water well field   | Greater than 5 (mi.)  |
| A wetland   | Between ½ and 1 (mi.)   |
| A subsurface mine   | Greater than 5 (mi.)  |
| An (non-karst) unstable area  | Between ½ and 1 (mi.)   |
| Categorize the risk of this well / site being in a karst geology  | High  |
| A 100-year floodplain   | Between 1 and 5 (mi.)   |
| Did the release impact areas not on an exploration, development, production, or storage site                                  | No  |

| Remediation Plan  |   |  |
|---|---|--|
| Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.   |   |  |
| Requesting a remediation plan approval with this submission   | Yes   |  |
| Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination a  | ssociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. |  |
| Have the lateral and vertical extents of contamination been fully delineated  | Yes   |  |
| Was this release entirely contained within a lined containment area   | No  |  |
| Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)  |   |  |
| Chloride (EPA 300.0 or SM4500 Cl B)   | 304   |  |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)   | 0   |  |
| GRO+DRO (EPA SW-846 Method 8015M)   | 0   |  |
| BTEX (EPA SW-846 Method 8021B or 8260B)   | 0   |  |
| Benzene (EPA SW-846 Method 8021B or 8260B)  | 0   |  |
| Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation. |   |  |
| On what estimated date will the remediation commence  | 11/22/2024  |  |
| On what date will (or did) the final sampling or liner inspection occur   | 11/22/2024  |  |
| On what date will (or was) the remediation complete(d)  | 11/22/2024  |  |
| What is the estimated surface area (in square feet) that will be reclaimed  | 0   |  |
| What is the estimated volume (in cubic yards) that will be reclaimed  | 0   |  |
| What is the estimated surface area (in square feet) that will be remediated   | 0   |  |
| What is the estimated volume (in cubic yards) that will be remediated   | 0   |  |
| These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.   |   |  |

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 4

Action 429059

**QUESTIONS** (continued)

| Operator:               | OGRID:   |
|-------------------------|--|
| APACHE CORPORATION      | 873  |
| 303 Veterans Airpark Ln | Action Number:   |
| Midland, TX 79705       | 429059   |
|                         | Action Type:   |
|                         | [C-141] Revegetation Report C-141 (C-141-v-Revegetation) |

### QUESTIONS

| Remediation Plan (continued)  |   |
|---|---|
| Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. |   |
| This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:   |   |
| (Select all answers below that apply.)  |   |
| (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)  | Not answered.   |
| (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)  | Not answered.   |
| (In Situ) Soil Vapor Extraction   | Not answered.   |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)   | Not answered.   |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)  | Not answered.   |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)  | Not answered.   |
| Ground Water Abatement pursuant to 19.15.30 NMAC  | Not answered.   |
| OTHER (Non-listed remedial process)   | Yes   |
| Other Non-listed Remedial Process. Please specify   | Historical spill from 2002. Oily soil likely removed. No evidence of current impact. Any residual likely naturally attenuated |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation

I 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.

Name: Barrett Bole Title: EH&S Supervisor I hereby agree and sign off to the above statement Email: barrett.bole@apachecorp.com Date: 02/06/2025

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 5

Action 429059

**QUESTIONS** (continued)

| Operator:               | OGRID:   |
|-------------------------|--|
| APACHE CORPORATION      | 873  |
| 303 Veterans Airpark Ln | Action Number:   |
| Midland, TX 79705       | 429059   |
|                         | Action Type:   |
|                         | [C-141] Revegetation Report C-141 (C-141-v-Revegetation) |

### QUESTIONS

| Deferral Requests Only   |    |
|--|----|
| Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation. |    |
| Requesting a deferral of the remediation closure due date with the approval of this submission   | No |

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

QUESTIONS, Page 6

Action 429059

QUESTIONS (continued)

| Operator:               | OGRID:   |
|-------------------------|--|
| APACHE CORPORATION      | 873  |
| 303 Veterans Airpark Ln | Action Number:   |
| Midland, TX 79705       | 429059   |
|                         | Action Type:   |
|                         | [C-141] Revegetation Report C-141 (C-141-v-Revegetation) |
|                         |  |

### QUESTIONS

| Sampling Event Information  |            |
|---|------------|
| Last sampling notification (C-141N) recorded  | 404804     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 11/22/2024 |
| What was the (estimated) number of samples that were to be gathered                             | 25         |
| What was the sampling surface area in square feet   | 2500       |

| Remediation Closure Request  |   |
|--|---|
| Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.   |   |
| Requesting a remediation closure approval with this submission   | Yes   |
| Have the lateral and vertical extents of contamination been fully delineated   | Yes   |
| Was this release entirely contained within a lined containment area  | No  |
| All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion   | Yes   |
| What was the total surface area (in square feet) remediated  | 2000  |
| What was the total volume (cubic yards) remediated   | 25  |
| All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene | Yes   |
| What was the total surface area (in square feet) reclaimed   | 0   |
| What was the total volume (in cubic yards) reclaimed   | 0   |
| Summarize any additional remediation activities not included by answers (above)  | Collected soil samples with hand augers to verify contaminants did not exceed State action levels |

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

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

I hereby agree and sign off to the above statement

Name: Barrett Bole
Title: EH&S Supervisor
Email: barrett.bole@apachecorp.com
Date: 02/06/2025

General Information Phone: (505) 629-6116

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

QUESTIONS, Page 7

Action 429059

**QUESTIONS** (continued)

| Operator:  APACHE CORPORATION  | OGRID: 873   |  |
|--|--|--|
| 303 Veterans Airpark Ln<br>Midland, TX 79705   | Action Number: 429059  |  |
|  | Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)  |  |
| QUESTIONS  |  |  |
| Reclamation Report   |  |  |
| Only answer the questions in this group if all reclamation steps have been completed.  |  |  |
| Requesting a reclamation approval with this submission   | Yes  |  |
| What was the total reclamation surface area (in square feet) for this site   | 0  |  |
| What was the total volume of replacement material (in cubic yards) for this site   | 0  |  |
|  | of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 over must include a top layer, which is either the background thickness of topsoil or one foot of suitable material  |  |
| Is the soil top layer complete and is it suitable material to establish vegetation   | Yes  |  |
| On what (estimated) date will (or was) the reseeding commence(d)   | 06/01/2010   |  |
| Summarize any additional reclamation activities not included by answers (above)  | Site naturally attenuated over time and has substantial re-growth of vegetation  |  |
|  | reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form at field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13  |  |
| I haraby cartify 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 releate the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report | ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface it does not relieve the operator of responsibility for compliance with any other federal, state, or it is it is investore, reclaim, and re-vegetate the impacted surface area to the conditions that existed |  |
| I hereby agree and sign off to the above statement   | Name: Barrett Bole Title: EH&S Supervisor  |  |

Email: barrett.bole@apachecorp.com

Date: 02/06/2025

General Information Phone: (505) 629-6116

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

QUESTIONS, Page 8

Action 429059

| QUESTIONS (CONTINUED | QL | JESTIONS ( | (continued |
|----------------------|----|------------|------------|
|----------------------|----|------------|------------|

| ı | Operator:               | OGRID:   |
|---|-------------------------|--|
| ı | APACHE CORPORATION      | 873  |
| ı | 303 Veterans Airpark Ln | Action Number:   |
| ı | Midland, TX 79705       | 429059   |
| ı |                         | Action Type:   |
| ı |                         | [C-141] Revegetation Report C-141 (C-141-v-Revegetation) |

### QUESTIONS

| Revegetation Report   |   |  |
|---|---|--|
| ly answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.  |   |  |
| Requesting a restoration complete approval with this submission   | Yes                                       |  |
| What was the total revegetation surface area (in square feet) for this site   | 2000                                      |  |
| Per Paragraph (2) of Subsection D of 19.15.29.13 NMAC the responsible party must reseed disturbed area in the first favorable growing season following closure of the site. |   |  |
| On what date did the reseeding commence   | 06/01/2010                                |  |
| On what date was the vegetative cover inspected   | 11/22/2024                                |  |
| What was the life form ratio compared to pre-disturbance levels   | 50  |  |
| What was the total percent plant cover compared to pre-disturbance levels   | 75  |  |
| Summarize any additional revegetation activities not included by answers (above)  | Site was allowed to naturally re-vegetate |  |

The responsible party must attach information demonstrating they have complied with all applicable re-vegetation requirements and any conditions or directives of the OCD. This demonstration should be in the forr of attachments (in .pdf format) including a scaled site map, any life form ratio and percent plant cover sampling diagrams or other relevant field notes, photographs of re-vegetated areas, and a narrative of the revegetation activities. Refer to 19.15.29.13 NMAC.

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

I hereby agree and sign off to the above statement

Name: Barrett Bole

Title: EH&S Supervisor

Email: barrett.bole@apachecorp.com

Date: 02/06/2025

Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 429059

### **CONDITIONS**

| Operator:               | OGRID:   |
|-------------------------|--|
| APACHE CORPORATION      | 873  |
| 303 Veterans Airpark Ln | Action Number:   |
| Midland, TX 79705       | 429059   |
|                         | Action Type:   |
|                         | [C-141] Revegetation Report C-141 (C-141-v-Revegetation) |

### CONDITIONS

| Cr | reated By | Condition  | Condition<br>Date |
|----|-----------|--|-------------------|
| r  | hamlet    | We have received your Remediation Closure Report for Incident #NMCS0219153649 EMPIRE ABO UNIT #008E, thank you. This Remediation Closure Report is approved. | 2/13/2025         |