TETRA TECH

May 8, 2023

District Supervisor
Oil Conservation Division, District 1
1625 North French Drive
Hobbs, New Mexico 88240

**Re: Release Characterization and Remediation Work Plan**
**Maverick Permian, LLC**
**EVGSAU 0546-038 Flowline Leak**
**Unit Letter L2, Section 05, Township 18 South, Range 35 East**
**Lea County, New Mexico**
**Incident ID# nAPP2310150208**

Dear Sir or Madam,

Tetra Tech, Inc. (Tetra Tech) was contracted by Maverick Permian, LLC (Maverick) to assess a release that occurred from a subsurface flow line associated with the East Vacuum Grayburg San Andres Unit (EVGSAU) 0546-038. The release footprint is located near Jay Lane in Public Land Survey System (PLSS) Unit Letter L2, Section 05, Township 18 South, Range 35 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.782555°, -103.477691° as shown in **Figure 1** and **Figure 2**.

## BACKGROUND

According to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Initial Report, the release was discovered on February 24, 2023. The C-141 reports that the release occurred due to internal corrosion of a subsurface production flow line leading to a 4 barrel (bbl) spill crude oil and a 10 bbl spill of produced water off-pad. Approximately 1 bbl of produced water and 1 bbl of crude oil were reported as recovered by a vac-truck during the initial response. The NMOCD received the Initial C-141 on April 21, 2023, and subsequently assigned the release Incident ID nAPP2310150208. The initial C-141 Release notification form is included in **Attachment 1**.

## 1.1 SITE CHARACTERIZATION

Tetra Tech performed a site characterization for the release location which did not identify any watercourses, sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playas, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains within the distances specified in 19.15.09 New Mexico Administrative Code (NMAC). Based on a review of the NMOCD Mapper The Site is in an area of low karst potential as shown in **Attachment 2**.

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are four (4) water wells located within an 800-meter (approximately ½-mile) radius of the release location. The average depth to groundwater reported at these four wells is 72 feet below ground surface (bgs), ranging from 60 to 85 feet bgs. None of the currently available depths to groundwater was recorded in the last 25 years. The site characterization data is included in **Attachment 2**.

**Tetra Tech, Inc.**
1500 CityWest Boulevard, Houston, Texas 77042
Tel +1.832.251.5160 | tetratech.com/oga | tetratech.com

## REGULATORY FRAMEWORK

Based upon the release footprint location and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chloride in soil.

Based on the site characterization and in accordance with Table I of 19.15.29.12 NMAC, the remediation RRALs for the Site are as follows. As the depth to groundwater information is greater than 25 years old, RRALs assume the most conservative criterial for groundwater as less than 50 feet bgs:

**Closure Criteria for Soils Impacted by a Release**

| Constituent | Remediation RRAL |
|---|---|
| Chloride | 600 mg/kg |
| TPH (GRO+DRO+ORO) | 100 mg/kg |
| BTEX | 50 mg/kg |
| Benzene | 10 mg/kg |

Additionally, in accordance with the NMOCD guidance Procedures for Implementation of the Spill Rule (19.15.29 NMAC) (September 6, 2019), the following reclamation requirements for surface soils (0-4 feet bgs) outside of active oil and gas operations are as follows:

**Reclamation Requirements**

| Constituent | Remediation RRAL |
|---|---|
| Chloride | 600 mg/kg |
| TPH (GRO+DRO+ORO) | 100 mg/kg |

## INITIAL RESPONSE ACTIVITIES

The release occurred due to internal corrosion of a surface production flow line consisting of an approximately 5,465 square foot area in open pasture, as shown in **Figure 3**. According to site records, initial response actions were taken by Maverick at the release site on March 9, 2023. Maverick responded to the site by removing standing fluid and making an initial excavation/scrape of approximately the top 6 inches of impacted material. The scraped material was sent to R360 for disposal. Confirmation samples were not collected during the initial response activities. Tetra Tech conducted a visual site inspection on March 16, 2023, to document the release and initial scrape area. The area encompassing this initial scrape was approximately 11,680 square feet as shown in **Figure 3**.

## 1.2 SITE ASSESSMENT SUMMARY

On April 7, 2023, Tetra Tech personnel returned to the Site to conduct soil sampling to delineate the release extent and confirm the efficacy of the reported remediation activities conducted during the initial response. A total of 12 hand auger borings were installed to achieve horizontal delineation of the release. Hand auger borings (AH-1 through AH-12) were installed along the perimeter of the reported release extent to depths ranging from 0-1 feet

bgs to horizontally delineate the release. Hand auger refusal was encountered at approximately 1 foot bgs due to hardpan soil material. Boring locations are presented in **Figure 4**.

A total of 12 samples were collected from the 12 borings and submitted to Cardinal Laboratory in Hobbs, New Mexico, for analysis of Total Petroleum Hydrocarbons (GRO, DRO, and EXT DRO) by EPA Method 8015M, benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA Method SM4500Cl-B. Copies of the laboratory analytical data packages are included in **Attachment 3**.

## SUMMARY OF SAMPLING RESULTS

Results from the April 7, 2023 soil sampling event are summarized in **Table 1**. The laboratory reported concentrations of chloride, TPH, and BTEX as less than RRALs and Reclamation Requirements in samples AH-1, AH-2, AH-6, AH-9, and AH-10. The remaining samples reported concentrations as greater than RRALs and Reclamation Requirements for chloride and/or TPH. Photographic documentation of Site conditions at the time of the assessment is presented in **Attachment 4**.

## 1.3 REMEDIATION WORK PLAN

Based on the analytical results from the assessment, Maverick proposes to remove the impacted material within the release extent as shown in **Figure 5**. Impacted soils will be excavated using heavy equipment (backhoes, hoe rams, and track hoes) to an approximate depth of 2 to 4 feet below the surrounding surface until representative samples from the excavation sidewalls and the floor of the excavation report concentrations of constituents as less than Site RRALs and Reclamation Requirements. Heavy equipment will come no more than two feet from any pressurized lines. Impacted soils within the vicinity of the surface and subsurface lines which intersect the release footprint will be excavated with hydro-vac excavation or dug by hand to the maximum extent practicable.

Excavated soils will be transported offsite and disposed of at an NMOCD-approved or permitted facility. Confirmation floor and sidewall samples will be collected for verification of remedial activities and analyzed for TPH, BTEX, and chloride. Once analytical results are received, NMOCD will be notified, and the excavation will then be backfilled with clean material to surface grade. The estimated volume of material to be remediated is between 750 to 1,500 cubic yards.

## CONFIRMATION SAMPLING PLAN

In accordance with 19.15.29.12(D)(1)(b) NMAC, Maverick proposes the following alternative confirmation sampling plan to adhere to NMOCD requirements. The proposed confirmation sample locations are depicted in **Figure 6**. Twenty-five (25) confirmation floor samples and eight (8) confirmation sidewall samples are proposed for verification of remedial activities. The proposed excavation encompasses a surface area of approximately 10,240 square feet.

These confirmation sidewall samples will be representative of approximately 200 square feet each and floor samples will be representative of no more than approximately 500 square feet of the excavated area. Confirmation samples will be submitted to Cardinal Laboratory for analysis of TPH (Method 8015 modified), BTEX (Method 8260B), and chloride (EPA SM4500Cl-B). Once results are received, NMOCD will be notified, and the excavation will then be backfilled with clean material to surface grade.

## SITE RECLAMATION AND RESTORATION PLAN

Post-remediation, the backfilled pasture areas will be seeded (in the next first favorable growing season) to aid in revegetation. Based on the soils at the site, gravelly loam, the New Mexico State Land Office (NMSLO) Coarse (CS) Sites Seed Mixture will be used for seeding and will be planted in the amount specified in pounds of pure live seed (PLS) per acre. The seed mixture will be spread by a drill equipped with a depth regulator or a broadcaster and raked. If a broadcaster is used for dispersal, the quantity of PLS per acre will be doubled.

Site inspections will be performed to assess the revegetation progress and evaluate the site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the NMSLO will be contacted to determine an effective method for eradication. If the site does not show revegetation after one growing season, the area will be reseeded as appropriate. The NMSLO seed mixture details and corresponding pounds PLS per acre are included in **Attachment 5**. Final reclamation will create a landform that approximates and blends in with the surrounding landform while controlling erosion.

## 1.4 CONCLUSION

Maverick proposes to begin remediation activities at the Site within 120 days of NMOCD plan approval. Upon completion of the proposed work, a final closure report detailing the remediation activities and the results of the confirmation sampling will be submitted to NMOCD. If you have any questions concerning the soil assessment or the proposed remediation activities for the Site, please call me at (832) 252-2093.

Sincerely,

Steve Jester
Program Manager
Tetra Tech, Inc.

Charles H. Terhune IV, P.G.
Program Manager
Tetra Tech, Inc.

cc: Bryce Wagoner, Maverick Permian, LLC
New Mexico State Land Office

# LIST OF ATTACHMENTS

## Figures

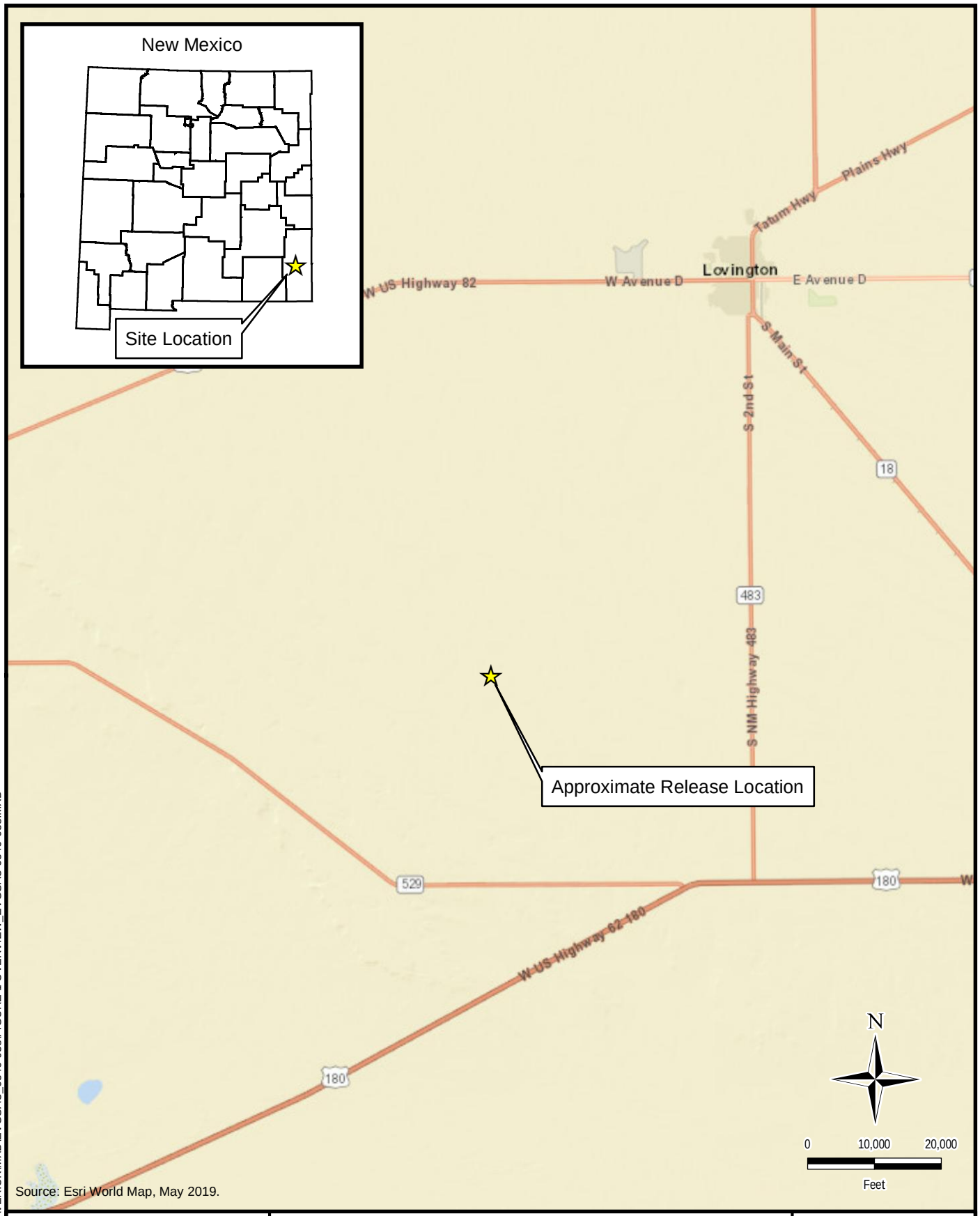


## Tables



## Attachments

# FIGURES




Source: Esri World Map, May 2019.

DOCUMENT PATH: D:\MAVERICK\MXD\EVGSAU_0546-038\FIGURE 1 OVERVIEW_EVGSAU 0546-038.MXD

TETRA TECH
www.tetratech.com
901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

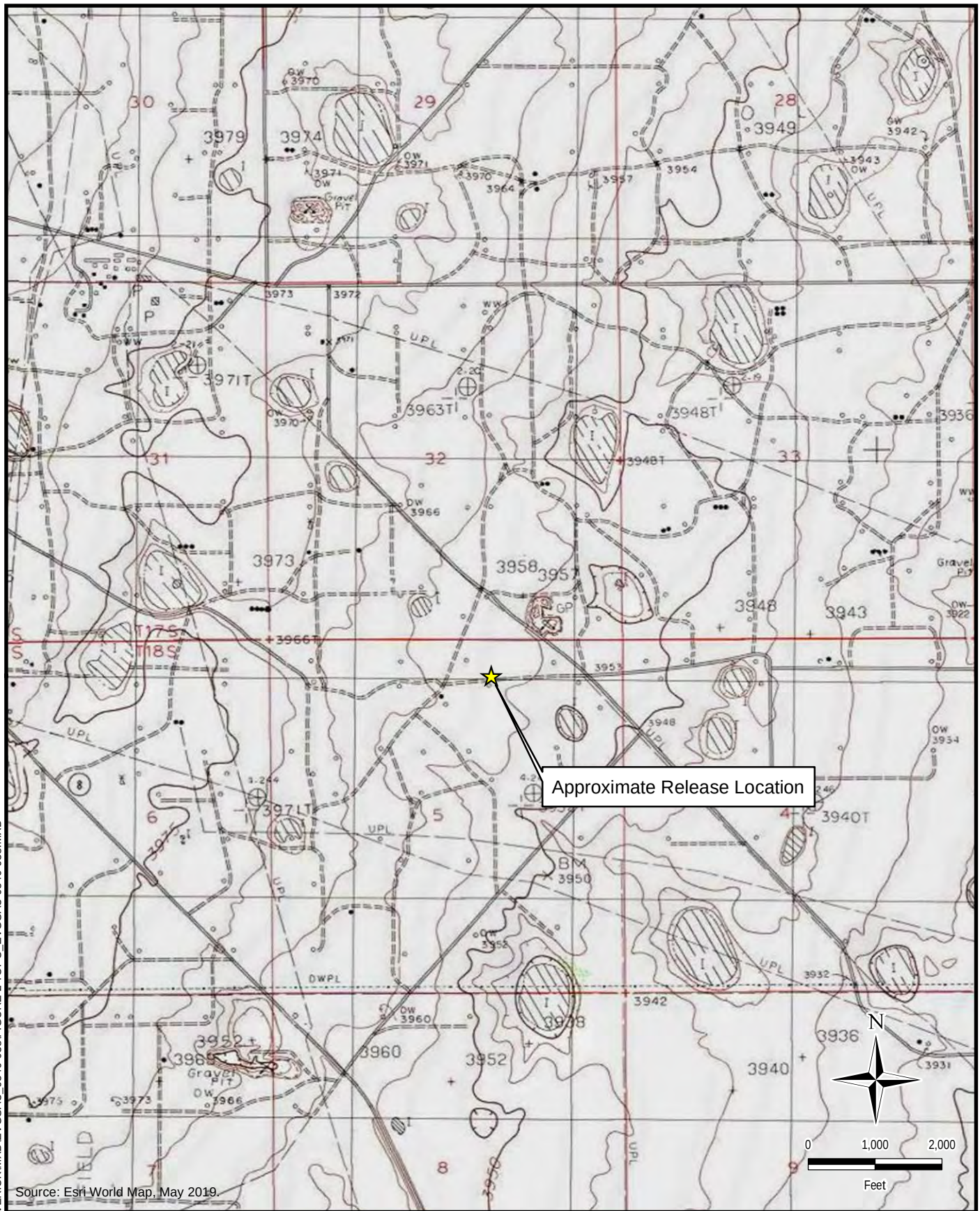
**MAVERICK NATURAL RESOURCES**

nAPP2310150208
(32.782554°, -103.477691°)
LEA COUNTY, NEW MEXICO

EVGSAU 0546-038 **FLOW**LINE RELEASE
OVERVIEW MAP

| | |
|---|---|
| PROJECT NO.: | 212C-HN-02278 |
| DATE: | MAY 02, 2023 |
| DESIGNED BY: | AAM |

Figure No.
**1**




DOCUMENT PATH: D:\MAVERICK\MXD\EVGSAU_0546-038\FIGURE 2 TOPO_EVGSAU 0546-038.MXD

TETRA TECH

www.tetratech.com

901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

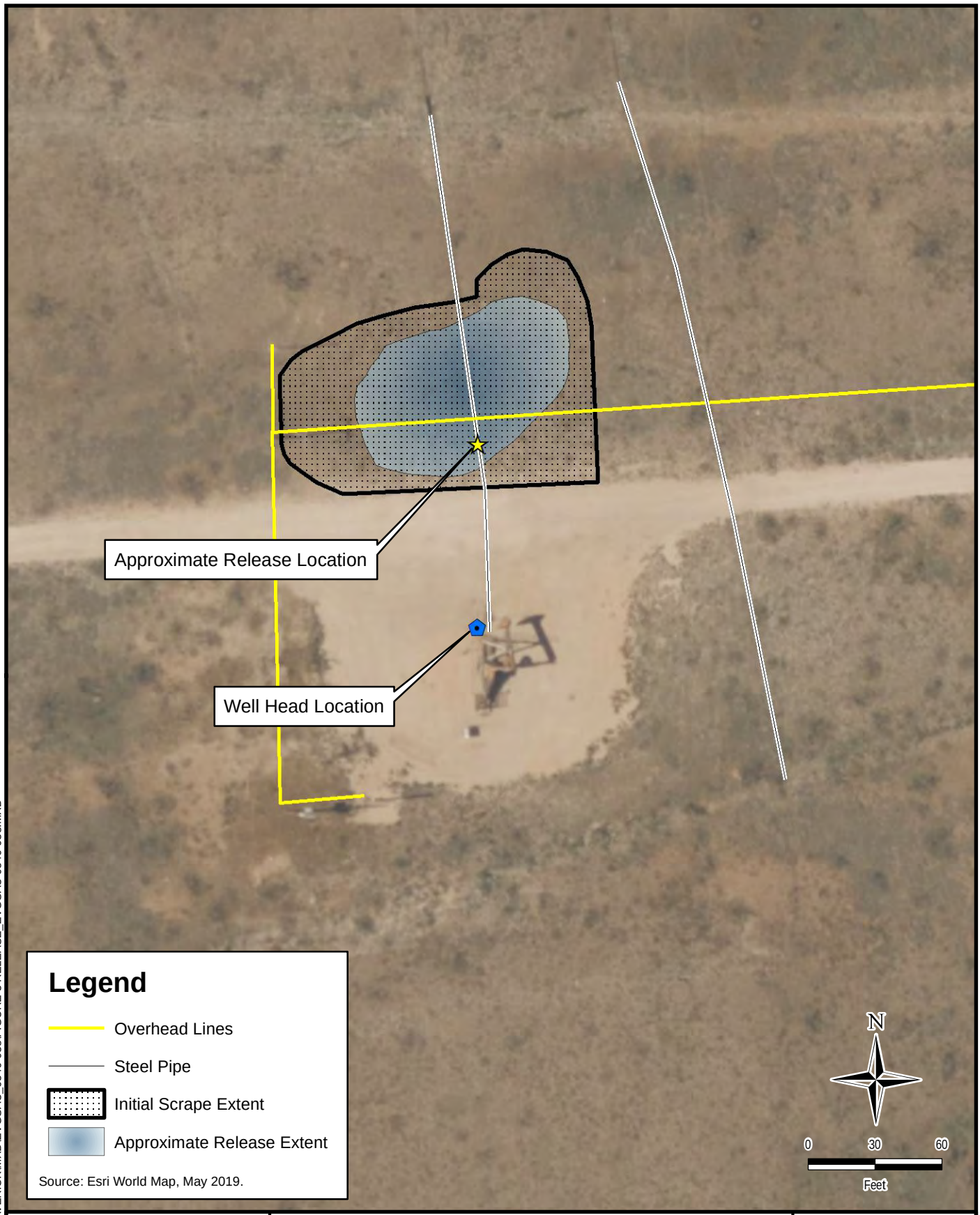
**MAVERICK NATURAL RESOURCES**

nAPP2310150208
(32.782554°, -103.477691°)
LEA COUNTY, NEW MEXICO

EVGSAU 0546-038 **FLOW**LINE RELEASE
TOPOGRAPHIC MAP

| | |
|---|---|
| PROJECT NO.: | 212C-HN-02278 |
| DATE: | MAY 02, 2023 |
| DESIGNED BY: | AAM |

Figure No.
**2**




DOCUMENT PATH: D:\MAVERICK\MXD\EVGSAU_0546-038\FIGURE 3 RELEASE_EVGSAU 0546-038.MXD

TETRA TECH
www.tetratech.com
901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

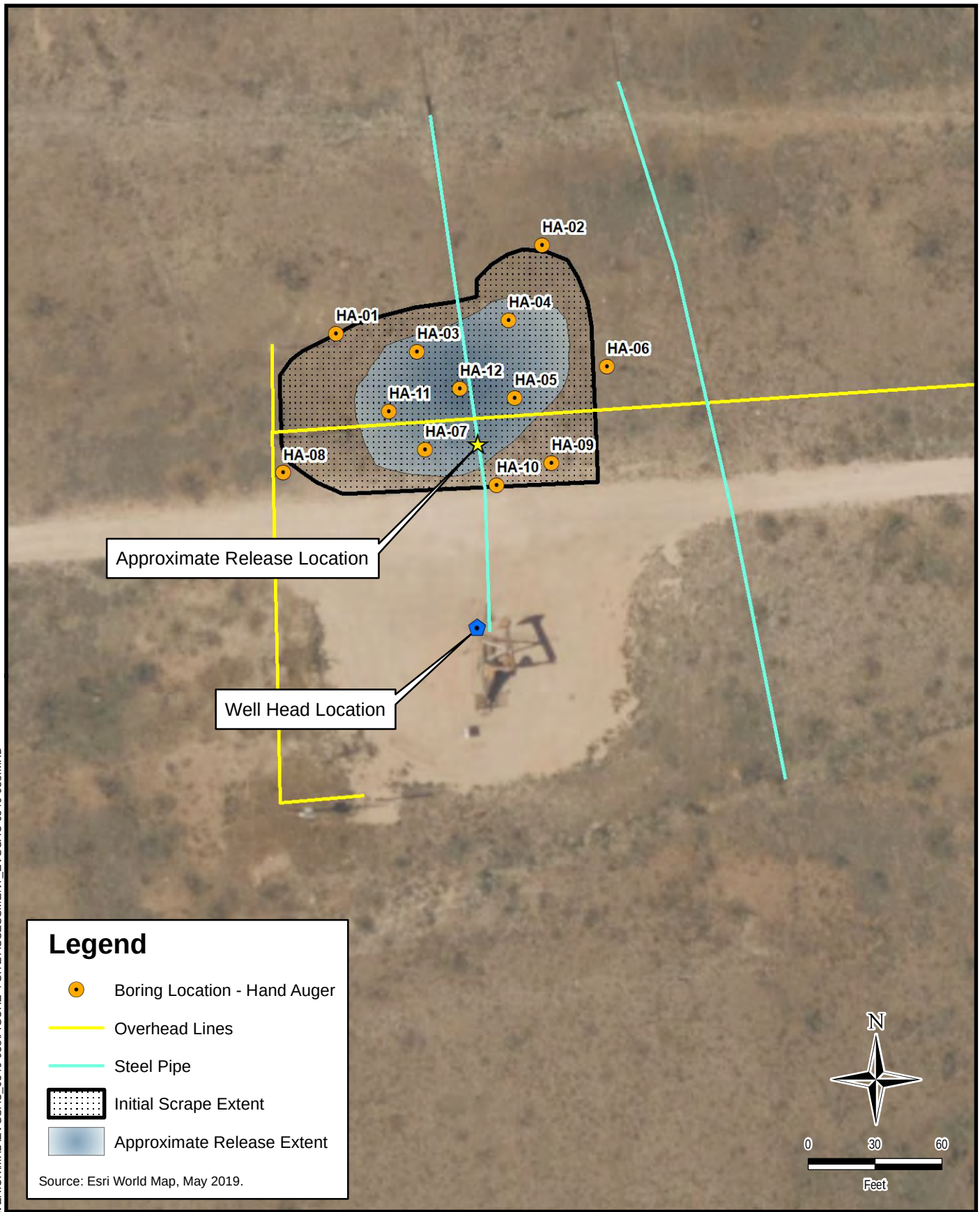
**MAVERICK NATURAL RESOURCES**

nAPP2310150208
(32.782554°, -103.477691°)
LEA COUNTY, NEW MEXICO

EVGSAU 0546-038 **FLOW**LINE RELEASE
APPROXIMATE RELEASE EXTENT AND SITE FEATURES

| | |
|---|---|
| PROJECT NO.: | 212C-HN-02278 |
| DATE: | MAY 02, 2023 |
| DESIGNED BY: | AAM |

Figure No.
**3**




DOCUMENT PATH: D:\MAVERICK\MXD\EVGSAU_0546-038\FIGURE 4 SITE ASSESSMENT_EVGSAU 0546-038.MXD

TETRA TECH

www.tetratech.com

901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

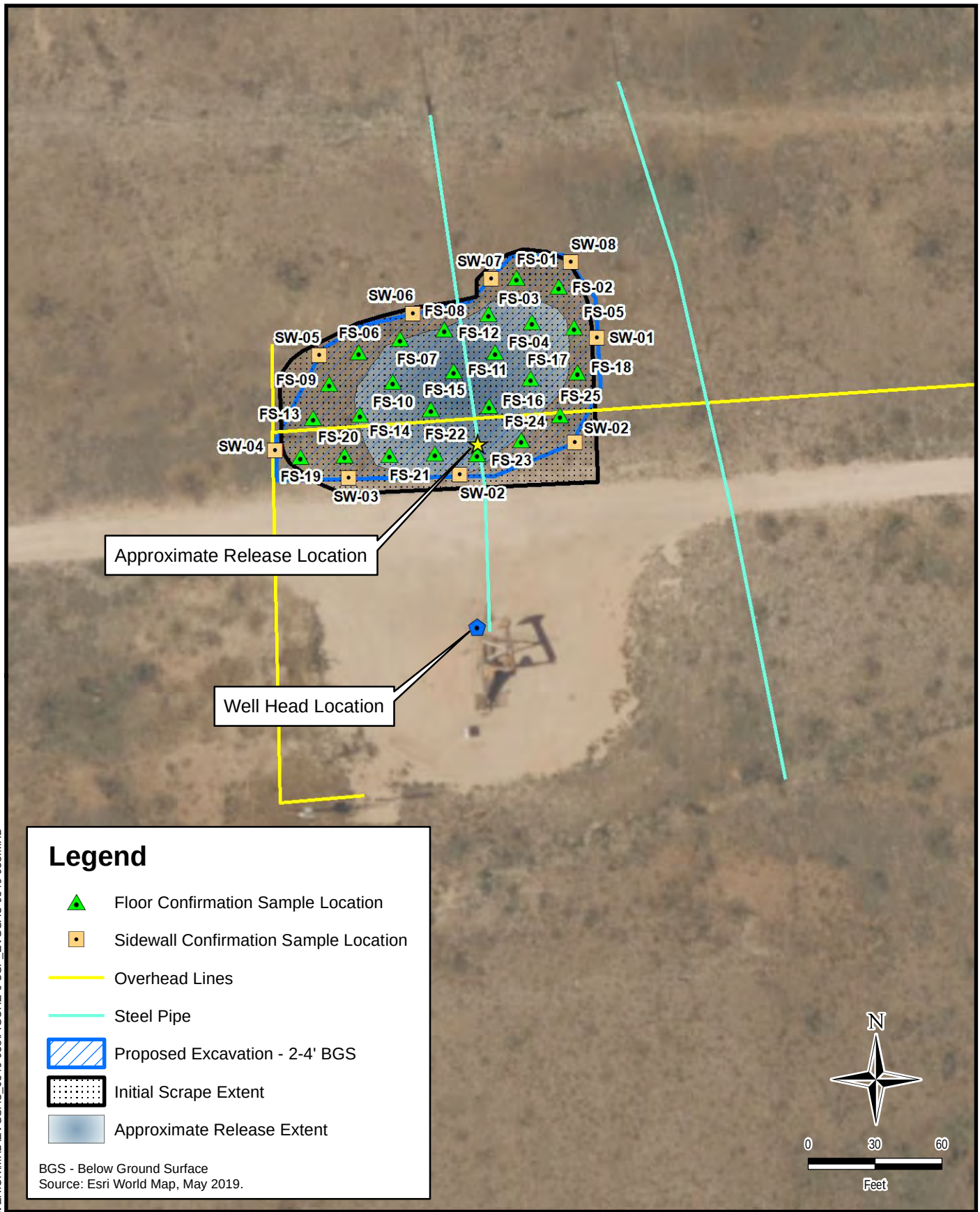
**MAVERICK NATURAL RESOURCES**

nAPP2310150208
(32.782554°, -103.477691°)
LEA COUNTY, NEW MEXICO

EVGSAU 0546-038 **FLOW**LINE RELEASE
SITE ASSESSMENT MAP

| | |
|---|---|
| PROJECT NO.: | 212C-HN-02278 |
| DATE: | MAY 02, 2023 |
| DESIGNED BY: | AAM |

Figure No.
**4**




DOCUMENT PATH: D:\MAVERICK\MXD\EVGSAU_0546-038\FIGURE 6 CSP_EVGSAU 0546-038.MXD

TETRA TECH

www.tetratech.com

901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

**MAVERICK NATURAL RESOURCES**

nAPP2310150208
(32.782554°, -103.477691°)
LEA COUNTY, NEW MEXICO

EVGSAU 0546-038 **FLOW**LINE RELEASE
CONFIRMATION SAMPLING PLAN

| | |
|---|---|
| PROJECT NO.: | 212C-HN-02278 |
| DATE: | MAY 02, 2023 |
| DESIGNED BY: | AAM |

Figure No.
**6**

# TABLES

# TABLE 1
## SUMMARY OF ANALYTICAL RESULTS
## ASSESSMENT SAMPLING - INCIDENT ID NAPP2310150208
## MAVERICK NATURAL RESOURCES
## EVGSAU 0546-038 FLOWLINE RELEASE
## LEA COUNTY, NEW MEXICO

| Sample ID | Sample Date | Sample Depth | Chloride[1] | | BTEX[2] | | | | | | | | | | TPH[3] | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Benzene | | Toluene | | Ethylbenzene | | Total Xylenes | | Total BTEX | | GRO | | DRO | | EXT DRO | | Total TPH |
| | | | | | | | | | | | | | | | $C_6$ - $C_{10}$ | | > $C_{10}$ - $C_{28}$ | | > $C_{28}$ - $C_{36}$ | | (GRO+DRO+EXT DRO) |
| | | feet bgs | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg |
| ***Reclamation Requirements (19.15.29 NMAC)*** | | | **600** | | **10** | | | | | | | | **50** | | | | | | | | **100** |
| AH-1 | 4/7/2023 | 0 - 1 | 32 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | <30 |
| AH-2 | 4/7/2023 | 1 - 2 | 80 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | <30 |
| AH-3 | 4/7/2023 | 0 - 1 | 480 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | 855 | | 207 | | ***1,062*** |
| AH-4 | 4/7/2023 | 0 - 1 | ***5,920*** | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | 218 | | 55 | | ***273*** |
| AH-5 | 4/7/2023 | 0 - 1 | ***12,800*** | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | 246 | | 60.5 | | ***307*** |
| AH-6 | 4/7/2023 | 0 - 1 | 96 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | <30 |
| AH-7 | 4/7/2023 | 0 - 1 | ***6,800*** | | <0.050 | | 0.121 | | 0.747 | | 2.33 | | 3.19 | | 24.8 | | 1,030 | | 201 | | ***1,256*** |
| AH-8 | 4/7/2023 | 0 - 1 | ***848*** | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | 30.6 | | 17.1 | | 48 |
| AH-9 | 4/7/2023 | 0 - 1 | 96 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | <30 |
| AH-10 | 4/7/2023 | 0 - 1 | 160 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | <30 |
| AH-11 | 4/7/2023 | 0 - 1 | ***8,260*** | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | 736 | | 165 | | ***901*** |
| AH-12 | 4/7/2023 | 0 - 1 | ***4,240*** | | <0.050 | | 0.082 | | 0.362 | | 1.86 | | 2.31 | | 126 | | 5,020 | | 998 | | ***6,144*** |

NOTES:

bgs: Below ground surface

mg/kg: Milligrams per kilogram

TPH:

GRO:

DRO:

1: Method SM4500Cl-B

2: Method 8021B

3: Method 8015M

***Bold, italicized, and highlighted values indicate exceedance of Remediation RRALs or Reclamation Requirements, as applicab***

# ATTACHMENT 1 – C-141 FORMS

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

| | |
|---|---|
| Incident ID | nAPP2310150208 |
| District RP | - |
| Facility ID | |
| Application ID | |

# Release Notification

## Responsible Party

| | | | |
|---|---|---|---|
| Responsible Party | Maverick Permian, LLC | OGRID | 331199 |
| Contact Name | Bryce Wagoner | Contact Telephone | (928) 241-1862 |
| Contact email | Bryce.Wagoner@mavresources.com | Incident # *(assigned by OCD)* | nAPP2310150208 |
| Contact mailing address | 1410 NW County Road<br>Hobbs, New Mexico 88240 | | |

## Location of Release Source

Latitude 32.7825 Longitude -103.4777
*(NAD 83 in decimal degrees to 5 decimal places)*

| | | | |
|---|---|---|---|
| Site Name | EVGSAU 0546-038 | Site Type | Flowline Leak |
| Date Release Discovered | 02/24/2023 | API# *(if applicable)* | |

| Unit Letter | Section | Township | Range | County |
|---|---|---|---|---|
| L2 | 05 | 18S | 35E | Lea |

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

## Nature and Volume of Release

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

| | | |
|---|---|---|
| ☒ Crude Oil | Volume Released (bbls) 4 | Volume Recovered (bbls) 1 |
| ☒ Produced Water | Volume Released (bbls) 10 | Volume Recovered (bbls) 1 |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | ☐ Yes ☒ No |
| ☐ Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| ☐ Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| ☐ Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release
Internal corrosion of a flow line.

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAPP2310150208 |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|---|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br>☐ Yes ☒ No | If YES, for what reason(s) does the responsible party consider this a major release? |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?<br>Not Applicable | |

## Initial Response

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

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Bryce Wagoner Title: Permian HSE Specialist

Signature: Date: 4/21/2023

email: Bryce.Wagoner@mavresources.com Telephone: (928) 241-1862

**OCD Only**

Received by: Jocelyn Harimon Date: 04/21/2023

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAPP2310150208 |
| 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? | est. 72 (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 **not** 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.***

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAPP2310150208 |
| 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: Bryce Wagoner Title: Permian HSE Specialist

Signature: Date: 5.11.2023

email: Bryce.Wagoner@mavresources.com Telephone: (928) 241-1862

**OCD Only**

Received by: Jocelyn Harimon Date: 05/12/2023

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAPP2310150208 |
| District RP | |
| Facility ID | |
| Application ID | |

# Remediation Plan

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

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

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

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

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

Printed Name: Bryce Wagoner  Title: Permian HSE Specialist

Signature: [signature]  Date: 5.11.2023

email: Bryce.Wagoner@mavresources.com  Telephone: (928) 241-1862

**OCD Only**

Received by: Jocelyn Harimon  Date: 05/12/2023

- [ ] Approved
- [ ] Approved with Attached Conditions of Approval
- [ ] Denied
- [ ] Deferral Approved

Signature: Nelson Velez  Date: 08/01/2023

| | |
|---|---|
| Incident ID | nAPP2310150208 |
| 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 following items must be included in the closure report.***

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

**OCD Only**

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

# ATTACHMENT 2 – SITE CHARACTERIZATION DATA

# New Mexico Office of the State Engineer
# Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

| POD Number | POD Sub-basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Distance | Depth Well | Depth Water | Water Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L 04931 | L | LE | 1 | 2 | | 05 | 18S | 35E | 642561 | 3628183* | 30 | 237 | 70 | 167 |
| L 04829 S | L | LE | 3 | 4 | | 32 | 17S | 35E | 642554 | 3628586* | 372 | 198 | 85 | 113 |
| L 04591 | L | LE | 4 | 2 | | 05 | 18S | 35E | 642970 | 3627785* | 591 | 130 | 75 | 55 |
| L 04250 | L | LE | | | | 05 | 18S | 35E | 642378 | 3627565* | 673 | 112 | 60 | 52 |

Average Depth to Water: **72 feet**

Minimum Depth: **60 feet**

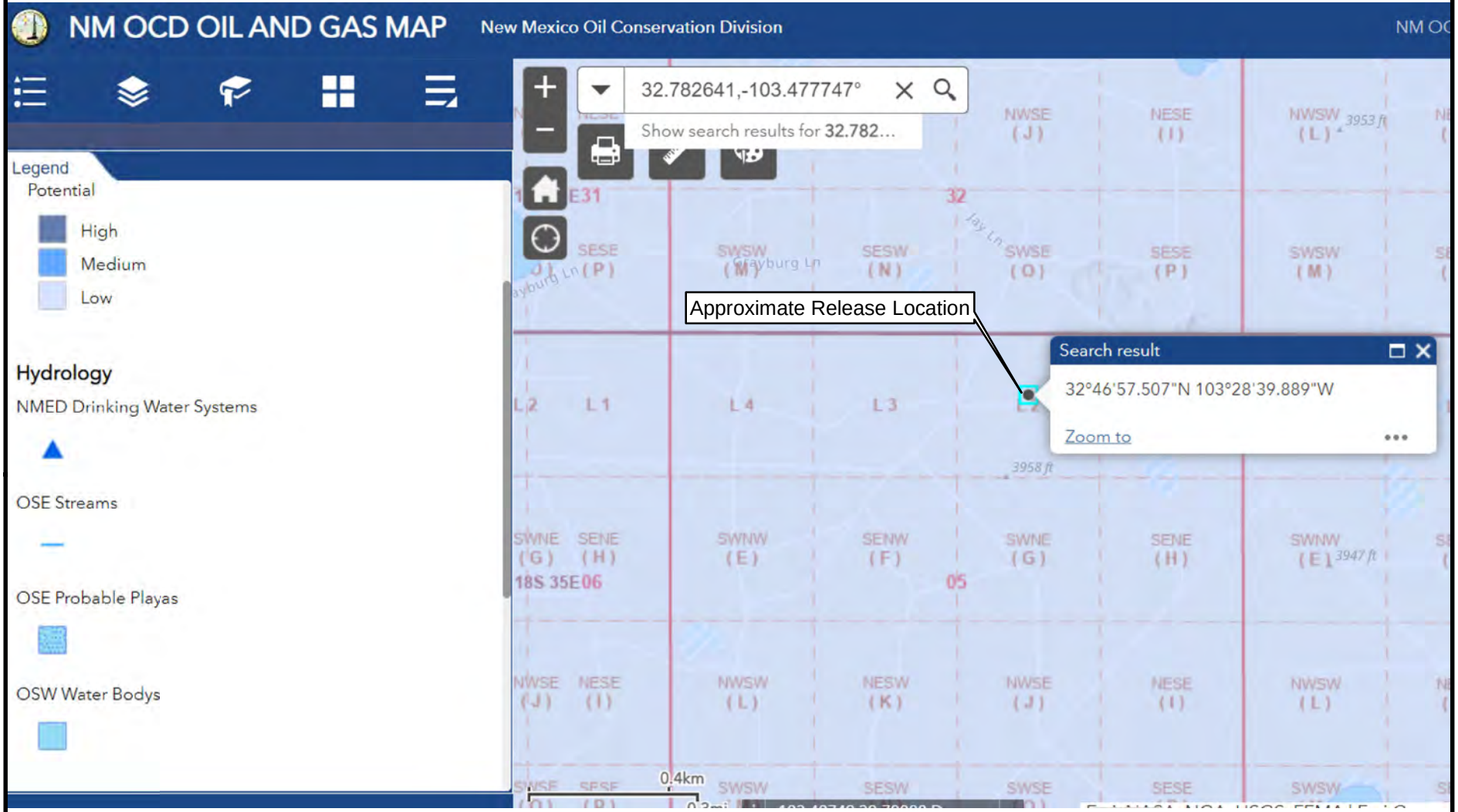
Maximum Depth: **85 feet**

**Record Count:** 4

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 642561.49 **Northing (Y):** 3628213.3 **Radius:** 800

***UTM location was derived from PLSS - see Help**




DOCUMENT PATH: D:\MAVERICK\MXD\APPENDIX_EVGSAU 0546-038.MXD

TETRA TECH
www.tetratech.com
901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

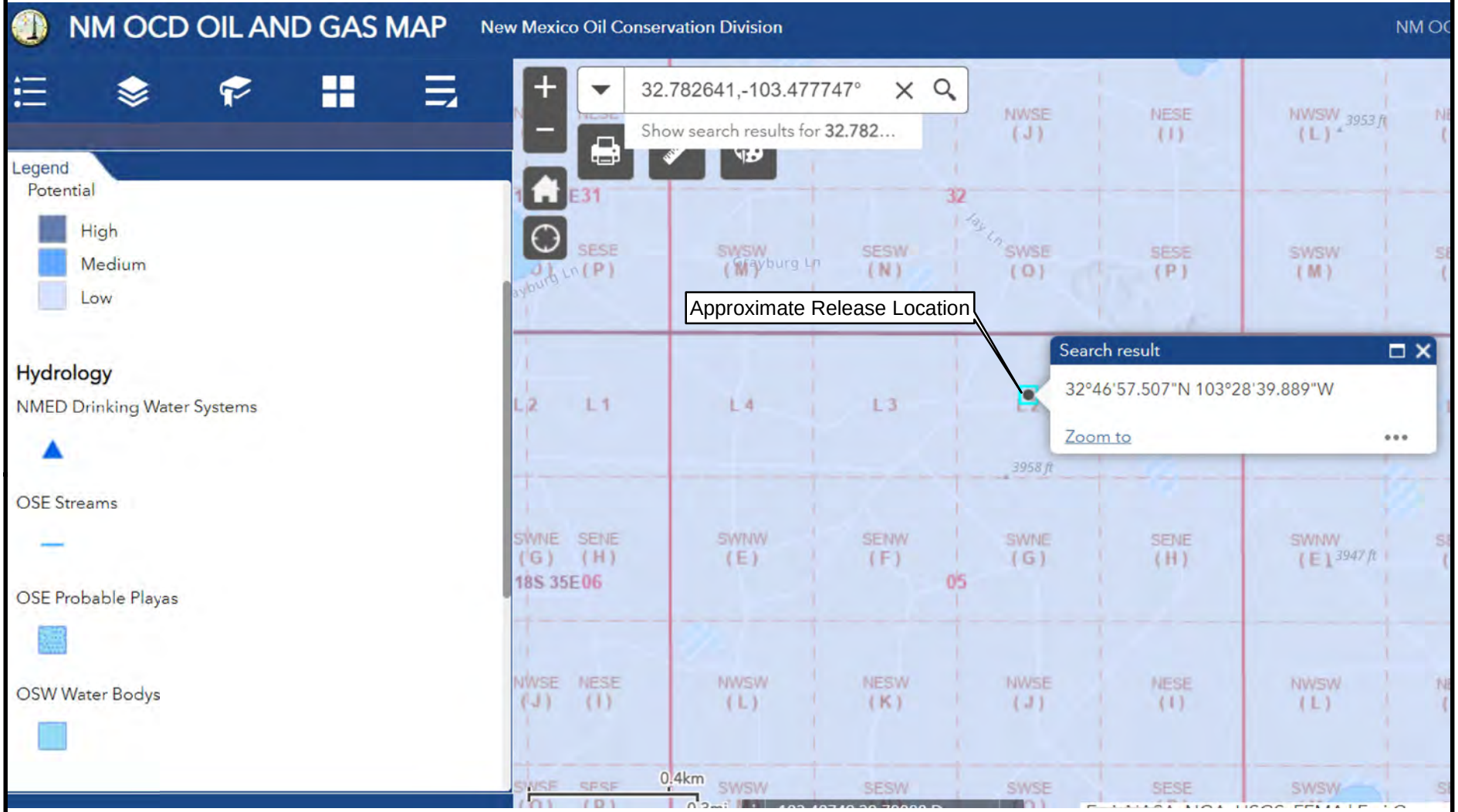
MAVERICK NATURAL RESOURCES

(32.782641°, -103.477747°)
LEA COUNTY, NEW MEXICO

EVGSAU 0546-038 INJECTION LINE RELEASE
KARST POTENTIAL, PROBABLE PLAYAS, AND WATER BODIES

| | |
|---|---|
| PROJECT NO.: | 212C-HN-02278 |
| DATE: | APRIL 27, 2023 |
| DESIGNED BY: | AAM |

Appendix
**B**




DOCUMENT PATH: D:\MAVERICK\MXD\APPENDIX_EVGSAU 0546-038.MXD

TETRA TECH
www.tetratech.com
901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

MAVERICK NATURAL RESOURCES

(32.782641°, -103.477747°)
LEA COUNTY, NEW MEXICO

EVGSAU 0546-038 **FLOW** LINE RELEASE
KARST POTENTIAL, PROBABLE PLAYAS, AND WATER BODIES

| | |
|---|---|
| PROJECT NO.: | 212C-HN-02278 |
| DATE: | APRIL 27, 2023 |
| DESIGNED BY: | AAM |

Appendix
**B**

# ATTACHMENT 3 – LABORATORY ANALYTICAL DATA

CARDINAL Laboratories

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

April 17, 2023

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: EVGSAU - 0546-038

Enclosed are the results of analyses for samples received by the laboratory on 04/10/23 9:30.

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

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| | | |
|---|---|---|
| TETRA TECH<br>901 WEST WALL STREET , STE 100<br>MIDLAND TX, 79701 | Project: EVGSAU - 0546-038<br>Project Number: 212C-HN-02278<br>Project Manager: CHUCK TERHUNE<br>Fax To: (432) 682-3946 | Reported:<br>17-Apr-23 17:51 |

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| AH - 1 (0-1') | H231665-01 | Soil | 07-Apr-23 00:00 | 10-Apr-23 09:30 |
| AH - 2 (0-1') | H231665-02 | Soil | 07-Apr-23 00:00 | 10-Apr-23 09:30 |
| AH - 3 (0-1') | H231665-03 | Soil | 07-Apr-23 00:00 | 10-Apr-23 09:30 |
| AH - 4 (0-1') | H231665-04 | Soil | 07-Apr-23 00:00 | 10-Apr-23 09:30 |
| AH - 5 (0-1') | H231665-05 | Soil | 07-Apr-23 00:00 | 10-Apr-23 09:30 |
| AH - 6 (0-1') | H231665-06 | Soil | 07-Apr-23 00:00 | 10-Apr-23 09:30 |
| AH - 7 (0-1') | H231665-07 | Soil | 07-Apr-23 00:00 | 10-Apr-23 09:30 |
| AH - 8 (0-1') | H231665-08 | Soil | 07-Apr-23 00:00 | 10-Apr-23 09:30 |
| AH - 9 (0-1') | H231665-09 | Soil | 07-Apr-23 00:00 | 10-Apr-23 09:30 |
| AH - 10 (0-1') | H231665-10 | Soil | 07-Apr-23 00:00 | 10-Apr-23 09:30 |
| AH - 11 (0-1') | H231665-11 | Soil | 07-Apr-23 00:00 | 10-Apr-23 09:30 |
| AH - 12 (0-1') | H231665-12 | Soil | 07-Apr-23 00:00 | 10-Apr-23 09:30 |

04/17/23 - Client added chloride to sample -12 (see COC). This is the revised report and will replace the one sent on 04/14/23.

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| TETRA TECH<br>901 WEST WALL STREET , STE 100<br>MIDLAND TX, 79701 | Project: EVGSAU - 0546-038<br>Project Number: 212C-HN-02278<br>Project Manager: CHUCK TERHUNE<br>Fax To: (432) 682-3946 | Reported:<br>17-Apr-23 17:51 |
|---|---|---|

### AH - 1 (0-1')

**H231665-01 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **32.0** | | 16.0 | mg/kg | 4 | 3041341 | GM | 13-Apr-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *115 %* | *71.5-134* | | *3041246* | JH | *13-Apr-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *50.2 %* | *48.2-134* | | *3041309* | MS | *13-Apr-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *53.0 %* | *49.1-148* | | *3041309* | MS | *13-Apr-23* | *8015B* | |

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| | | |
|---|---|---|
| TETRA TECH<br>901 WEST WALL STREET , STE 100<br>MIDLAND TX, 79701 | Project: EVGSAU - 0546-038<br>Project Number: 212C-HN-02278<br>Project Manager: CHUCK TERHUNE<br>Fax To: (432) 682-3946 | Reported:<br>17-Apr-23 17:51 |

### AH - 2 (0-1')

**H231665-02 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **80.0** | | 16.0 | mg/kg | 4 | 3041341 | GM | 13-Apr-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *110 %* | *71.5-134* | | *3041246* | JH | *13-Apr-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *65.5 %* | *48.2-134* | | *3041309* | MS | *13-Apr-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *69.6 %* | *49.1-148* | | *3041309* | MS | *13-Apr-23* | *8015B* | |

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| TETRA TECH<br>901 WEST WALL STREET , STE 100<br>MIDLAND TX, 79701 | Project: EVGSAU - 0546-038<br>Project Number: 212C-HN-02278<br>Project Manager: CHUCK TERHUNE<br>Fax To: (432) 682-3946 | Reported:<br>17-Apr-23 17:51 |
|---|---|---|

### AH - 3 (0-1')

**H231665-03 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **480** | | 16.0 | mg/kg | 4 | 3041341 | GM | 13-Apr-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *101 %* | *71.5-134* | | *3041246* | JH | *13-Apr-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3041309 | MS | 14-Apr-23 | 8015B | |
| **DRO >C10-C28*** | **855** | | 10.0 | mg/kg | 1 | 3041309 | MS | 14-Apr-23 | 8015B | |
| **EXT DRO >C28-C36** | **207** | | 10.0 | mg/kg | 1 | 3041309 | MS | 14-Apr-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *84.3 %* | *48.2-134* | | *3041309* | MS | *14-Apr-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *121 %* | *49.1-148* | | *3041309* | MS | *14-Apr-23* | *8015B* | |

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| | | |
|---|---|---|
| TETRA TECH<br>901 WEST WALL STREET , STE 100<br>MIDLAND TX, 79701 | Project: EVGSAU - 0546-038<br>Project Number: 212C-HN-02278<br>Project Manager: CHUCK TERHUNE<br>Fax To: (432) 682-3946 | Reported:<br>17-Apr-23 17:51 |

### AH - 4 (0-1')

**H231665-04 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **5920** | | 16.0 | mg/kg | 4 | 3041341 | GM | 13-Apr-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *97.2 %* | *71.5-134* | | *3041246* | JH | *13-Apr-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| **DRO >C10-C28*** | **218** | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| **EXT DRO >C28-C36** | **55.0** | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *48.3 %* | *48.2-134* | | *3041309* | MS | *13-Apr-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *61.8 %* | *49.1-148* | | *3041309* | MS | *13-Apr-23* | *8015B* | |

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| | | |
|---|---|---|
| TETRA TECH<br>901 WEST WALL STREET , STE 100<br>MIDLAND TX, 79701 | Project: EVGSAU - 0546-038<br>Project Number: 212C-HN-02278<br>Project Manager: CHUCK TERHUNE<br>Fax To: (432) 682-3946 | Reported:<br>17-Apr-23 17:51 |

### AH - 5 (0-1')

**H231665-05 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **12800** | | 16.0 | mg/kg | 4 | 3041341 | GM | 13-Apr-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *106 %* | *71.5-134* | | *3041246* | JH | *13-Apr-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| **DRO >C10-C28*** | **246** | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| **EXT DRO >C28-C36** | **60.5** | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *64.8 %* | *48.2-134* | | *3041309* | MS | *13-Apr-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *82.7 %* | *49.1-148* | | *3041309* | MS | *13-Apr-23* | *8015B* | |

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| | | |
|---|---|---|
| TETRA TECH<br>901 WEST WALL STREET , STE 100<br>MIDLAND TX, 79701 | Project: EVGSAU - 0546-038<br>Project Number: 212C-HN-02278<br>Project Manager: CHUCK TERHUNE<br>Fax To: (432) 682-3946 | Reported:<br>17-Apr-23 17:51 |

### AH - 6 (0-1')

**H231665-06 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **96.0** | | 16.0 | mg/kg | 4 | 3041341 | GM | 13-Apr-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *100 %* | *71.5-134* | | *3041246* | JH | *13-Apr-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *66.4 %* | *48.2-134* | | *3041309* | MS | *13-Apr-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *72.8 %* | *49.1-148* | | *3041309* | MS | *13-Apr-23* | *8015B* | |

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| TETRA TECH<br>901 WEST WALL STREET , STE 100<br>MIDLAND TX, 79701 | Project: EVGSAU - 0546-038<br>Project Number: 212C-HN-02278<br>Project Manager: CHUCK TERHUNE<br>Fax To: (432) 682-3946 | Reported:<br>17-Apr-23 17:51 |
|---|---|---|

### AH - 7 (0-1')

**H231665-07 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **6800** | | 16.0 | mg/kg | 4 | 3041341 | GM | 13-Apr-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 14-Apr-23 | 8021B | |
| **Toluene*** | **0.121** | | 0.050 | mg/kg | 50 | 3041246 | JH | 14-Apr-23 | 8021B | |
| **Ethylbenzene*** | **0.747** | | 0.050 | mg/kg | 50 | 3041246 | JH | 14-Apr-23 | 8021B | |
| **Total Xylenes*** | **2.33** | | 0.150 | mg/kg | 50 | 3041246 | JH | 14-Apr-23 | 8021B | |
| **Total BTEX** | **3.19** | | 0.300 | mg/kg | 50 | 3041246 | JH | 14-Apr-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *133 %* | *71.5-134* | | *3041246* | JH | *14-Apr-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| **GRO C6-C10*** | **24.8** | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| **DRO >C10-C28*** | **1030** | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| **EXT DRO >C28-C36** | **201** | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *88.6 %* | *48.2-134* | | *3041309* | MS | *13-Apr-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *121 %* | *49.1-148* | | *3041309* | MS | *13-Apr-23* | *8015B* | |

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| | | |
|---|---|---|
| TETRA TECH<br>901 WEST WALL STREET , STE 100<br>MIDLAND TX, 79701 | Project: EVGSAU - 0546-038<br>Project Number: 212C-HN-02278<br>Project Manager: CHUCK TERHUNE<br>Fax To: (432) 682-3946 | Reported:<br>17-Apr-23 17:51 |

### AH - 8 (0-1')

**H231665-08 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **848** | | 16.0 | mg/kg | 4 | 3041341 | GM | 13-Apr-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *105 %* | *71.5-134* | | *3041246* | JH | *13-Apr-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3041309 | MS | 14-Apr-23 | 8015B | |
| **DRO >C10-C28*** | **30.6** | | 10.0 | mg/kg | 1 | 3041309 | MS | 14-Apr-23 | 8015B | |
| **EXT DRO >C28-C36** | **17.1** | | 10.0 | mg/kg | 1 | 3041309 | MS | 14-Apr-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *87.7 %* | *48.2-134* | | *3041309* | MS | *14-Apr-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *94.8 %* | *49.1-148* | | *3041309* | MS | *14-Apr-23* | *8015B* | |

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| | | |
|---|---|---|
| TETRA TECH<br>901 WEST WALL STREET , STE 100<br>MIDLAND TX, 79701 | Project: EVGSAU - 0546-038<br>Project Number: 212C-HN-02278<br>Project Manager: CHUCK TERHUNE<br>Fax To: (432) 682-3946 | Reported:<br>17-Apr-23 17:51 |

### AH - 9 (0-1')

**H231665-09 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **96.0** | | 16.0 | mg/kg | 4 | 3041341 | GM | 13-Apr-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *111 %* | *71.5-134* | | *3041246* | JH | *13-Apr-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *55.3 %* | *48.2-134* | | *3041309* | MS | *13-Apr-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *58.8 %* | *49.1-148* | | *3041309* | MS | *13-Apr-23* | *8015B* | |

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| | | |
|---|---|---|
| TETRA TECH<br>901 WEST WALL STREET , STE 100<br>MIDLAND TX, 79701 | Project: EVGSAU - 0546-038<br>Project Number: 212C-HN-02278<br>Project Manager: CHUCK TERHUNE<br>Fax To: (432) 682-3946 | Reported:<br>17-Apr-23 17:51 |

### AH - 10 (0-1')

**H231665-10 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **160** | | 16.0 | mg/kg | 4 | 3041341 | GM | 13-Apr-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *112 %* | *71.5-134* | | *3041246* | JH | *13-Apr-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3041309 | MS | 14-Apr-23 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 3041309 | MS | 14-Apr-23 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 3041309 | MS | 14-Apr-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *82.1 %* | *48.2-134* | | *3041309* | MS | *14-Apr-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *87.2 %* | *49.1-148* | | *3041309* | MS | *14-Apr-23* | *8015B* | |

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| | | |
|---|---|---|
| TETRA TECH<br>901 WEST WALL STREET , STE 100<br>MIDLAND TX, 79701 | Project: EVGSAU - 0546-038<br>Project Number: 212C-HN-02278<br>Project Manager: CHUCK TERHUNE<br>Fax To: (432) 682-3946 | Reported:<br>17-Apr-23 17:51 |

### AH - 11 (0-1')

**H231665-11 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **8260** | | 16.0 | mg/kg | 4 | 3041341 | GM | 13-Apr-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Toluene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Ethylbenzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Total Xylenes* | <0.150 | | 0.150 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| Total BTEX | <0.300 | | 0.300 | mg/kg | 50 | 3041246 | JH | 13-Apr-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *101 %* | *71.5-134* | | *3041246* | JH | *13-Apr-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| **DRO >C10-C28*** | **736** | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| **EXT DRO >C28-C36** | **165** | | 10.0 | mg/kg | 1 | 3041309 | MS | 13-Apr-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *81.0 %* | *48.2-134* | | *3041309* | MS | *13-Apr-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *126 %* | *49.1-148* | | *3041309* | MS | *13-Apr-23* | *8015B* | |

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| TETRA TECH<br>901 WEST WALL STREET , STE 100<br>MIDLAND TX, 79701 | Project: EVGSAU - 0546-038<br>Project Number: 212C-HN-02278<br>Project Manager: CHUCK TERHUNE<br>Fax To: (432) 682-3946 | Reported:<br>17-Apr-23 17:51 |
|---|---|---|

### AH - 12 (0-1')

**H231665-12 (Soil)**

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Cardinal Laboratories** | | | | | | | | | | |
| **Inorganic Compounds** | | | | | | | | | | |
| **Chloride** | **4240** | | 16.0 | mg/kg | 4 | 3041727 | GM | 17-Apr-23 | 4500-Cl-B | |
| **Volatile Organic Compounds by EPA Method 8021** | | | | | | | | | | |
| Benzene* | <0.050 | | 0.050 | mg/kg | 50 | 3041246 | JH | 14-Apr-23 | 8021B | |
| **Toluene*** | **0.082** | | 0.050 | mg/kg | 50 | 3041246 | JH | 14-Apr-23 | 8021B | |
| **Ethylbenzene*** | **0.362** | | 0.050 | mg/kg | 50 | 3041246 | JH | 14-Apr-23 | 8021B | |
| **Total Xylenes*** | **1.86** | | 0.150 | mg/kg | 50 | 3041246 | JH | 14-Apr-23 | 8021B | |
| **Total BTEX** | **2.31** | | 0.300 | mg/kg | 50 | 3041246 | JH | 14-Apr-23 | 8021B | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | | | *130 %* | *71.5-134* | | *3041246* | JH | *14-Apr-23* | *8021B* | |
| **Petroleum Hydrocarbons by GC FID** | | | | | | | | | | **S-06** |
| **GRO C6-C10*** | **126** | | 50.0 | mg/kg | 5 | 3041309 | MS | 13-Apr-23 | 8015B | |
| **DRO >C10-C28*** | **5020** | | 50.0 | mg/kg | 5 | 3041309 | MS | 13-Apr-23 | 8015B | |
| **EXT DRO >C28-C36** | **998** | | 50.0 | mg/kg | 5 | 3041309 | MS | 13-Apr-23 | 8015B | |
| *Surrogate: 1-Chlorooctane* | | | *112 %* | *48.2-134* | | *3041309* | MS | *13-Apr-23* | *8015B* | |
| *Surrogate: 1-Chlorooctadecane* | | | *250 %* | *49.1-148* | | *3041309* | MS | *13-Apr-23* | *8015B* | |

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| | | |
|---|---|---|
| TETRA TECH<br>901 WEST WALL STREET , STE 100<br>MIDLAND TX, 79701 | Project: EVGSAU - 0546-038<br>Project Number: 212C-HN-02278<br>Project Manager: CHUCK TERHUNE<br>Fax To: (432) 682-3946 | Reported:<br>17-Apr-23 17:51 |

### Inorganic Compounds - Quality Control

### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 3041341 - 1:4 DI Water** | | | | | | | | | | |
| **Blank (3041341-BLK1)** | | | | Prepared & Analyzed: 13-Apr-23 | | | | | | |
| Chloride | ND | 16.0 | mg/kg | | | | | | | |
| **LCS (3041341-BS1)** | | | | Prepared & Analyzed: 13-Apr-23 | | | | | | |
| Chloride | 432 | 16.0 | mg/kg | 400 | | 108 | 80-120 | | | |
| **LCS Dup (3041341-BSD1)** | | | | Prepared & Analyzed: 13-Apr-23 | | | | | | |
| Chloride | 416 | 16.0 | mg/kg | 400 | | 104 | 80-120 | 3.77 | 20 | |
| **Batch 3041727 - 1:4 DI Water** | | | | | | | | | | |
| **Blank (3041727-BLK1)** | | | | Prepared & Analyzed: 17-Apr-23 | | | | | | |
| Chloride | ND | 16.0 | mg/kg | | | | | | | |
| **LCS (3041727-BS1)** | | | | Prepared & Analyzed: 17-Apr-23 | | | | | | |
| Chloride | 400 | 16.0 | mg/kg | 400 | | 100 | 80-120 | | | |
| **LCS Dup (3041727-BSD1)** | | | | Prepared & Analyzed: 17-Apr-23 | | | | | | |
| Chloride | 400 | 16.0 | mg/kg | 400 | | 100 | 80-120 | 0.00 | 20 | |

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| | | |
|---|---|---|
| TETRA TECH<br>901 WEST WALL STREET , STE 100<br>MIDLAND TX, 79701 | Project: EVGSAU - 0546-038<br>Project Number: 212C-HN-02278<br>Project Manager: CHUCK TERHUNE<br>Fax To: (432) 682-3946 | Reported:<br>17-Apr-23 17:51 |

### Volatile Organic Compounds by EPA Method 8021 - Quality Control

### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 3041246 - Volatiles** | | | | | | | | | | |
| **Blank (3041246-BLK1)** | | | | Prepared: 12-Apr-23 Analyzed: 13-Apr-23 | | | | | | |
| Benzene | ND | 0.050 | mg/kg | | | | | | | |
| Toluene | ND | 0.050 | mg/kg | | | | | | | |
| Ethylbenzene | ND | 0.050 | mg/kg | | | | | | | |
| Total Xylenes | ND | 0.150 | mg/kg | | | | | | | |
| Total BTEX | ND | 0.300 | mg/kg | | | | | | | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | *0.0528* | | mg/kg | *0.0500* | | *106* | *71.5-134* | | | |
| **LCS (3041246-BS1)** | | | | Prepared: 12-Apr-23 Analyzed: 13-Apr-23 | | | | | | |
| Benzene | 1.88 | 0.050 | mg/kg | 2.00 | | 94.0 | 81.4-118 | | | |
| Toluene | 1.95 | 0.050 | mg/kg | 2.00 | | 97.5 | 88.7-121 | | | |
| Ethylbenzene | 2.10 | 0.050 | mg/kg | 2.00 | | 105 | 86.1-120 | | | |
| m,p-Xylene | 4.23 | 0.100 | mg/kg | 4.00 | | 106 | 88.2-124 | | | |
| o-Xylene | 2.15 | 0.050 | mg/kg | 2.00 | | 108 | 84.9-118 | | | |
| Total Xylenes | 6.38 | 0.150 | mg/kg | 6.00 | | 106 | 87.3-122 | | | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | *0.0553* | | mg/kg | *0.0500* | | *111* | *71.5-134* | | | |
| **LCS Dup (3041246-BSD1)** | | | | Prepared: 12-Apr-23 Analyzed: 13-Apr-23 | | | | | | |
| Benzene | 1.94 | 0.050 | mg/kg | 2.00 | | 97.1 | 81.4-118 | 3.24 | 15.8 | |
| Toluene | 2.01 | 0.050 | mg/kg | 2.00 | | 100 | 88.7-121 | 2.87 | 15.9 | |
| Ethylbenzene | 2.15 | 0.050 | mg/kg | 2.00 | | 107 | 86.1-120 | 2.28 | 16 | |
| m,p-Xylene | 4.30 | 0.100 | mg/kg | 4.00 | | 108 | 88.2-124 | 1.68 | 16.2 | |
| o-Xylene | 2.19 | 0.050 | mg/kg | 2.00 | | 109 | 84.9-118 | 1.71 | 16.7 | |
| Total Xylenes | 6.49 | 0.150 | mg/kg | 6.00 | | 108 | 87.3-122 | 1.69 | 16.3 | |
| *Surrogate: 4-Bromofluorobenzene (PID)* | *0.0520* | | mg/kg | *0.0500* | | *104* | *71.5-134* | | | |

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Analytical Results For:

| | | |
|---|---|---|
| TETRA TECH<br>901 WEST WALL STREET , STE 100<br>MIDLAND TX, 79701 | Project: EVGSAU - 0546-038<br>Project Number: 212C-HN-02278<br>Project Manager: CHUCK TERHUNE<br>Fax To: (432) 682-3946 | Reported:<br>17-Apr-23 17:51 |

### Petroleum Hydrocarbons by GC FID - Quality Control

### Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 3041309 - General Prep - Organics** | | | | | | | | | | |
| **Blank (3041309-BLK1)** | | | | Prepared & Analyzed: 13-Apr-23 | | | | | | |
| GRO C6-C10 | ND | 10.0 | mg/kg | | | | | | | |
| DRO >C10-C28 | ND | 10.0 | mg/kg | | | | | | | |
| EXT DRO >C28-C36 | ND | 10.0 | mg/kg | | | | | | | |
| *Surrogate: 1-Chlorooctane* | *44.4* | | mg/kg | *49.6* | | *89.6* | *48.2-134* | | | |
| *Surrogate: 1-Chlorooctadecane* | *48.7* | | mg/kg | *50.0* | | *97.3* | *49.1-148* | | | |
| **LCS (3041309-BS1)** | | | | Prepared & Analyzed: 13-Apr-23 | | | | | | |
| GRO C6-C10 | 192 | 10.0 | mg/kg | 200 | | 96.1 | 78.5-124 | | | |
| DRO >C10-C28 | 198 | 10.0 | mg/kg | 200 | | 99.0 | 72.5-126 | | | |
| Total TPH C6-C28 | 390 | 10.0 | mg/kg | 400 | | 97.5 | 77.6-123 | | | |
| *Surrogate: 1-Chlorooctane* | *47.7* | | mg/kg | *49.6* | | *96.2* | *48.2-134* | | | |
| *Surrogate: 1-Chlorooctadecane* | *55.5* | | mg/kg | *50.0* | | *111* | *49.1-148* | | | |
| **LCS Dup (3041309-BSD1)** | | | | Prepared & Analyzed: 13-Apr-23 | | | | | | |
| GRO C6-C10 | 207 | 10.0 | mg/kg | 200 | | 104 | 78.5-124 | 7.44 | 17.7 | |
| DRO >C10-C28 | 213 | 10.0 | mg/kg | 200 | | 106 | 72.5-126 | 7.25 | 21 | |
| Total TPH C6-C28 | 420 | 10.0 | mg/kg | 400 | | 105 | 77.6-123 | 7.34 | 18.5 | |
| *Surrogate: 1-Chlorooctane* | *47.1* | | mg/kg | *49.6* | | *95.0* | *48.2-134* | | | |
| *Surrogate: 1-Chlorooctadecane* | *54.4* | | mg/kg | *50.0* | | *109* | *49.1-148* | | | |

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

## Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte



Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



# Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

| | |
|---|---|
| Client Name: Maverick | Site Manager: Chuck Terhune |
| Project Name: EVGSAU - 0546 - 038 | (281) 755-8965 chuck.terhune@tetratech.com |
| Project Location: (county, state) Lea County, NM | Project #: 212C-HN-02278 |
| Invoice to: chuck.terhune@tetratech.com | |
| Receiving Laboratory: Cardinal Labs | Sampler Signature: Miguel A. Flores |
| Comments: | |

ANALYSIS REQUEST (Circle or Specify Method No.)

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING DATE | SAMPLING TIME | MATRIX: WATER | MATRIX: SOIL | MATRIX: | PRESERVATIVE METHOD: HCL | PRESERVATIVE METHOD: $HNO_3$ | PRESERVATIVE METHOD: ICE | PRESERVATIVE METHOD: | PRESERVATIVE METHOD: | # CONTAINERS | FILTERED (Y/N) | BTEX 8021B BTEX 8260B | TPH TX1005 (Ext to C35) | TPH 8015M ( GRO - DRO - ORO ) | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | PCB's 8082 / 608 | NORM | PLM (Asbestos) | Chloride | Chloride Sulfate TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | | | | | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H231665 | | YEAR: 2023 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | AH-1 (0-1') | 4/7/2023 | | | X | | | | X | | | | | X | | X | | | | | | | | | | | | X | | | | | | | | |
| 2 | AH-2 (0-1') | 4/7/2023 | | | X | | | | X | | | | | X | | X | | | | | | | | | | | | X | | | | | | | | |
| 3 | AH-3 (0-1') | 4/7/2023 | | | X | | | | X | | | | | X | | X | | | | | | | | | | | | X | | | | | | | | |
| 4 | AH-4 (0-1') | 4/7/2023 | | | X | | | | X | | | | | X | | X | | | | | | | | | | | | X | | | | | | | | |
| 5 | AH-5 (0-1') | 4/7/2023 | | | X | | | | X | | | | | X | | X | | | | | | | | | | | | X | | | | | | | | |
| 6 | AH-6 (0-1') | 4/7/2023 | | | X | | | | X | | | | | X | | X | | | | | | | | | | | | X | | | | | | | | |
| 7 | AH-7 (0-1') | 4/7/2023 | | | X | | | | X | | | | | X | | X | | | | | | | | | | | | X | | | | | | | | |
| 8 | AH-8 (0-1') | 4/7/2023 | | | X | | | | X | | | | | X | | X | | | | | | | | | | | | X | | | | | | | | |
| 9 | AH-9 (0-1') | 4/7/2023 | | | X | | | | X | | | | | X | | X | | | | | | | | | | | | X | | | | | | | | |
| 10 | AH-10 (0-1') | 4/7/2023 | | | X | | | | X | | | | | X | | X | | | | | | | | | | | | X | | | | | | | | |

| | | | |
|---|---|---|---|
| Relinquished by: Miguel A Flores | Date: | Time: | Received by: Tamara Whitaker |
| Relinquished by: | Date: | Time: | Received by: |
| Relinquished by: | Date: | Time: | Received by: |

Date: 4/10/23 Time: 0930

LAB USE ONLY

Sample Temperature
4.8°C
-0.6°C
4.2°C

REMARKS:

Standard

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

#18

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Analysis Request of Chain of Custody Record

Page 2 of 2

# Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

| | |
|---|---|
| Client Name: Maverick | Site Manager: Chuck Terhune |
| Project Name: EVGSAU - 0546 - 038 | (281) 755-8965 chuck.terhune@tetratech.com |
| Project Location: (county, state) Lea County, NM | Project #: 212C-HN-02278 |
| Invoice to: chuck.terhune@tetratech.com | |
| Receiving Laboratory: Cardinal Labs | Sampler Signature: Miguel A. Flores |
| Comments: | |

ANALYSIS REQUEST
(Circle or Specify Method No.)

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING DATE | SAMPLING TIME | MATRIX WATER | MATRIX SOIL | MATRIX | PRESERVATIVE METHOD HCL | PRESERVATIVE METHOD $HNO_3$ | PRESERVATIVE METHOD ICE | PRESERVATIVE METHOD | # CONTAINERS | FILTERED (Y/N) | BTEX 8021B BTEX 8260B | TPH TX1005 (Ext to C35) | TPH 8015M ( GRO - DRO - ORO ) | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | PCB's 8082 / 608 | NORM | PLM (Asbestos) | Chloride * | Chloride Sulfate TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | | | | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H231665 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | AH-11 (0-1') | 4/7/2023 | | | X | | | | X | | | | X | | X | | | | | | | | | | | | X | | | | | | | |
| 12 | AH-12 (0-1') | 4/7/2023 | | | X | | | | X | | | | X | | X | | | | | | | | | | | | ✓ | | | | | | | |

Relinquished by: Miguel A Flores Date: Time:
Received by: Date: Time: 0930 4/10/23

Relinquished by: Date: Time:
Received by: Date: Time:

Relinquished by: Date: Time:
Received by: Date: Time:

LAB USE ONLY
Sample Temperature
4.1°c
C-0.6°c
4.2°c
#113

REMARKS: * Customer Requested Standard analyses run.

RUSH: Same Day 24 hr 48 hr 72 hr TO 4/17

Rush Charges Authorized

Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

# ATTACHMENT 4 – PHOTOGRAPHIC DOCUMENTATION

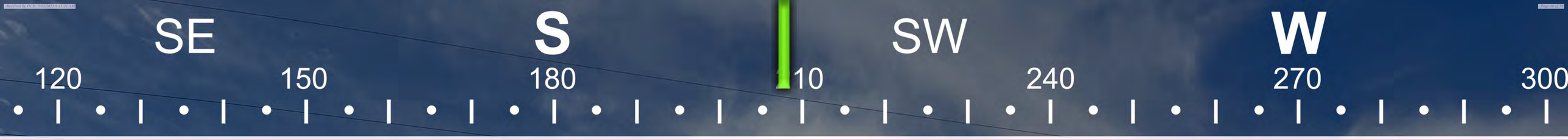
E SE S SW

90 120 150 180 210 240

172°S (T) **LAT:** 32.782804 **LON:** -103.477735 ±4m ▲1210m

Site Assessment
Tetra Tech

Maverick - EVGSAU 0546-038
Apr 07 2023, 10:06:18 MDT



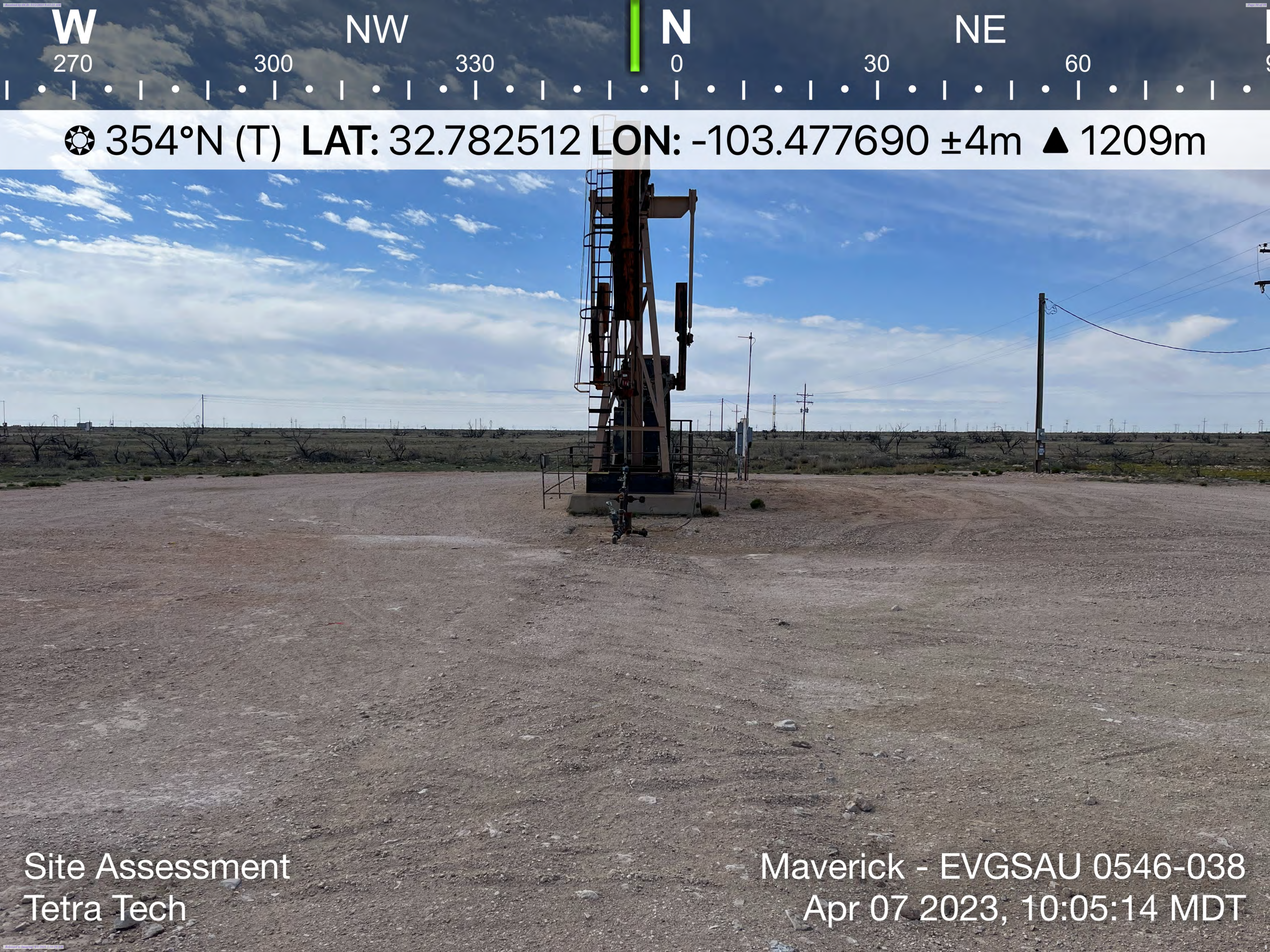

Site Assessment
Tetra Tech

Maverick - EVGSAU 0546-038
Apr 07 2023, 10:06:01 MDT


69°E (T) **LAT:** 32.782528 **LON:** -103.477846 ±4m ▲1210m

Site Assessment
Tetra Tech

Maverick - EVGSAU 0546-038
Apr 07 2023, 10:04:58 MDT



NE E SE S

30 60 90 120 150 180

96°E (T) **LAT:** 32.782600 **LON:** -103.477922 ±4m ▲ 1210m

Site Assessment
Tetra Tech

Maverick - EVGSAU 0546-038
Apr 07 2023, 10:06:49 MDT

W NW N NE

270 300 330 0 30 60

354°N (T) **LAT:** 32.782501 **LON:** -103.477686 ±4m ▲1210m

Site Assessment
Tetra Tech

Maverick - EVGSAU 0546-038
Apr 07 2023, 10:05:10 MDT

SW W NW N

210 240 270 300 330 0

289°W (T) **LAT:** 32.782531 **LON:** -103.477520 ±4m ▲1209m

Site Assessment
Tetra Tech

Maverick - EVGSAU 0546-038
Apr 07 2023, 10:05:30 MDT

# ATTACHMENT 5 – NMSLO SEED MIXTURE DETAILS

# NMSLO Seed Mix Coarse (CS)

**COARSE (CS) SITES SEED MIXTURE:**

| COMMON NAME | VARIETY | APPLICATION RATE (PLS/Acre) | DRILL BOX |
|---|---|---|---|
| **Grasses:** | | | |
| Sand bluestem | VNS, Southern | 2.0 | F |
| Sideoats grama | Vaughn, El Reno | 2.0 | F |
| Blue grama | Hachita, Lovington | 1.5 | D |
| Little bluestem | Cimmaron, Pastura | 1.5 | F |
| Sand dropseed | VNS, Southern | 1.0 | S |
| Plains bristlegrass | VNS, Southern | 0.75 | D |
| **Forbs:** | | | |
| Parry penstemon | VNS, Southern | 1.0 | D |
| Desert globemallow | VNS, Southern | 1.0 | D |
| White prairieclover | Kaneb, VNS | 0.5 | D |
| Sulfur buckwheat | VNS, Southern | 0.5 | D |
| **Shrubs:** | | | |
| Fourwing saltbush | VNS, Southern | 1.0 | D |
| Skunkbush sumac | VNS, Southern | 1.0 | D |
| Common winterfat | VNS, Southern | 1.0 | F |
| Fringed sagewort | VNS, Southern | 0.5 | F |
| | **Total PLS/acre** | 18.25 | |

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box

- VNS, Southern – No Variety Stated, seed should be from a southern latitude collection of this species.
- Double above seed rates for broadcast or hydroseeding.
- If Parry is not available, substitute firecracker penstemon.
- If desert globemallow is not available, substitute scarlet globemallow.
- If one species is not available, provide a suggested substitute to the New Mexico Land Office for approval. Increasing all other species proportionately may be acceptable.

# Lea County, New Mexico

## KU—Kimbrough-Lea complex, dry, 0 to 3 percent slopes

### Map Unit Setting

*National map unit symbol:* 2tw46
*Elevation:* 2,500 to 4,800 feet
*Mean annual precipitation:* 14 to 16 inches
*Mean annual air temperature:* 57 to 63 degrees F
*Frost-free period:* 180 to 220 days
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Kimbrough and similar soils:* 45 percent
*Lea and similar soils:* 25 percent
*Minor components:* 30 percent
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Kimbrough

#### Setting

*Landform:* Playa rims, plains
*Down-slope shape:* Convex, linear
*Across-slope shape:* Concave, linear
*Parent material:* Loamy eolian deposits derived from sedimentary rock

#### Typical profile

*A - 0 to 3 inches:* gravelly loam
*Bw - 3 to 10 inches:* loam
*Bkkm1 - 10 to 16 inches:* cemented material
*Bkkm2 - 16 to 80 inches:* cemented material

#### Properties and qualities

*Slope:* 0 to 3 percent
*Depth to restrictive feature:* 4 to 18 inches to petrocalcic
*Drainage class:* Well drained
*Runoff class:* Very high
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.01 in/hr)
*Depth to water table:* More than 80 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Calcium carbonate, maximum content:* 95 percent
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
*Sodium adsorption ratio, maximum:* 1.0
*Available water supply, 0 to 60 inches:* Very low (about 1.4 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7s
*Hydrologic Soil Group:* D
*Ecological site:* R077DY049TX - Very Shallow 12-17" PZ
*Hydric soil rating:* No

### Description of Lea

#### Setting

*Landform:* Plains
*Down-slope shape:* Convex
*Across-slope shape:* Linear
*Parent material:* Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age over indurated caliche of pliocene age

#### Typical profile

*A - 0 to 10 inches:* loam
*Bk - 10 to 18 inches:* loam
*Bkk - 18 to 26 inches:* gravelly fine sandy loam
*Bkkm - 26 to 80 inches:* cemented material

#### Properties and qualities

*Slope:* 0 to 3 percent
*Depth to restrictive feature:* 22 to 30 inches to petrocalcic
*Drainage class:* Well drained
*Runoff class:* High
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)
*Depth to water table:* More than 80 inches
*Frequency of flooding:* None
*Frequency of ponding:* None
*Calcium carbonate, maximum content:* 90 percent
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
*Sodium adsorption ratio, maximum:* 3.0
*Available water supply, 0 to 60 inches:* Very low (about 2.9 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified
*Land capability classification (nonirrigated):* 7s
*Hydrologic Soil Group:* D
*Ecological site:* R077DY047TX - Sandy Loam 12-17" PZ
*Hydric soil rating:* No

### Minor Components

#### Douro

*Percent of map unit:* 12 percent
*Landform:* Plains
*Down-slope shape:* Linear
*Across-slope shape:* Linear
*Ecological site:* R077DY047TX - Sandy Loam 12-17" PZ
*Other vegetative classification:* Unnamed (G077DH000TX)
*Hydric soil rating:* No

**Kenhill**

*Percent of map unit:* 12 percent
*Landform:* Plains
*Down-slope shape:* Linear
*Across-slope shape:* Linear
*Ecological site:* R077DY038TX - Clay Loam 12-17" PZ
*Hydric soil rating:* No

**Spraberry**

*Percent of map unit:* 6 percent
*Landform:* Playa rims, plains
*Down-slope shape:* Convex, linear
*Across-slope shape:* Linear
*Ecological site:* R077DY049TX - Very Shallow 12-17" PZ
*Other vegetative classification:* Unnamed (G077DH000TX)
*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 19, Sep 8, 2022

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

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



## CONDITIONS

| | |
|---|---|
| Operator:<br>Maverick Permian LLC<br>1111 Bagby Street Suite 1600<br>Houston, TX 77002 | OGRID:<br>331199 |
| | Action Number:<br>216422 |
| | Action Type:<br>[C-141] Release Corrective Action (C-141) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| nvelez | Remediation plan approved as written. Maverik Permian has 60-days (November 29, 2023) to submit its final closure report. | 8/1/2023 |