# Javelina Unit P413 (413H, 414H, 415H, 416H).
# Temporary Pit Closure Report
# BLM Lease No. USA NMNM 029234 and USA NMNM 070895
# Section 10 of T24S, R31E
# Eddy County, New Mexico
# Facility ID: [fVV2208755693]

# [4323] CHEVRON USA INC
# 06/06/2024.

TETRA TECH

June 4, 2024

Ms. Victoria Venegas
Environmental Specialist
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

*VIA ELECTRONIC SUBMITTAL*

**Re: Temporary Pit Closure Report**
**Javelina Unit P413 (413H, 414H, 415H, 416H)**
**BLM Lease No. USA NMNM 029234 and USA NMNM 070895**
**Section 10 of T24S, R31E**
**Eddy County, New Mexico**
**Facility ID: fVV2208755693**

Dear Ms. Venegas,

Tetra Tech, Inc. (Tetra Tech) is pleased to provide this Temporary Pit Closure Report on behalf of Chevron Mid Continent Business Unit (MCBU) for the above-referenced temporary pit in accordance with the approved C-144 closure plan and conditions of approval, dated March 28, 2022. Temporary pit closure activities were completed on April 4, 2024. The site will be monitored in 2024 for vegetative growth progress. The Division will be notified upon the establishment of appropriate vegetation cover that blends with the surrounding undisturbed area. This submittal includes the following information listed in Part 21 of the C-144 Form (Closure Report Attachment Checklist):

| Closure Requirement | Attachment |
|---|---|
| Proof of Closure Notice *(to surface owner and Division)* | Attachment A |
| Proof of Deed Notice (on-site closure on private land only) | Not Applicable; *BLM Land* |
| C-105 form (for on-site closures and temporary pits), Plot Plan | Attachment B |
| Confirmation Sampling Analytical Results | Not Applicable |
| Waste Material Sampling Analytical Results (required for on-site closure) | Attachment A; *submitted with closure notice* |
| Disposal Facility Name and Permit Number | Not Applicable*; on-site closure* |
| Soil Backfilling and Cover Installation | Attachment C |
| Re-vegetation Application Rates and Seeding Technique | Attachment C |
| Site Reclamation (photo documentation) | Attachment C |
| Updated C-144 form | Attachment D |

Tetra Tech
901 West Wall Street, Suite 100, Midland, TX 79701
Tel 432.682.4559 Fax 432.682.3946 www.tetratech.com

TETRA TECH

If you have any questions or comments regarding this submittal, please contact Kim Beebe at kimbeebe@chevron.com.

Respectfully submitted,
TETRA TECH

John Faught, GIT
Project Manager
Tetra Tech, Inc.

Clair Gonzales, PG
Operations Manager
Tetra Tech, Inc.

Cc: James Amos, Bureau of Land Management, *via electronic submittal*

TETRA TECH

# Attachment A

Proof of Closure Notice

**From:** Venegas, Victoria, EMNRD
**To:** Faught, John
**Cc:** kimbeebe@chevron.com
**Subject:** RE: [EXTERNAL] Chevron Javelina Unity P413 (fVV2208755693) Closure Notification Letter
**Date:** Thursday, January 25, 2024 9:48:31 AM
**Attachments:** image001.png
image002.png
image003.png
image004.png
image005.png



Good morning Mr. Faught,
The pit closure notification for JAVELINA UNIT P413 (413H, 414H, 415H, 416H) FACILITY ID [fVV2208755693] has been received and noted in OCD e-Permitting. Please include the notification email in the closure report.
Thank you for your cooperation.

**Victoria Venegas** ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. Artesia, NM 88210
(575) 909-0269 | Victoria.Venegas@emnrd.nm.gov
https://www.emnrd.nm.gov/ocd/

**From:** Faught, John <JOHN.FAUGHT1@tetratech.com>
**Sent:** Wednesday, January 24, 2024 3:29 PM
**To:** Venegas, Victoria, EMNRD <Victoria.Venegas@emnrd.nm.gov>
**Cc:** kimbeebe@chevron.com
**Subject:** [EXTERNAL] Chevron Javelina Unity P413 (fVV2208755693) Closure Notification Letter



Good afternoon Ms. Venegas,

Please see the attached pit closure notification for the Chevron MCBU Javelina Unit 413P Facility ID fVV2208755693 in Eddy County, NM. Pit closure activities will commence on Tuesday January 30,

2024. Please let me know if you have any questions or concerns. Thank you for your time.

Have a great day!

**John Faught, GIT** | Project Manager
Mobile **+1 (432) 222-6197** | john.faught1@tetratech.com

**Tetra Tech** | *Leading with Science®* | OGA
901 West Wall Street, Suite 100 | Midland, Texas 79701 | tetratech.com |

Climate positive and carbon negative by 2030. Read more

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January 24, 2024

New Mexico Oil Conservation Division
1220 South Saint Francis Drive
Sante Fe, NM 87505

**RE: Chevron Pit Closure Notice**
**Javelina Unit P413 (413H, 414H, 415H, 416H)**
**Facility ID: fVV2208755693**
**BLM Lease No. USA NMNM 029234 and USA NMNM 070895**
**Section 10, Township 24S, Range 31E**

To Whom It May Concern:

This submittal serves as notice to the New Mexico Oil Conservation Division (NMOCD) that closure of the above referenced pit will begin on Tuesday January 30, 2024. The closure process should be completed by March 15, 2024.

The permitted Non-Low Chloride Temporary Pit was associated with the following Javelina Unit wells:

- Javelina Unit 413H API# 30-015-49732
- Javelina Unit 414H API# 30-015-49655
- Javelina Unit 415H API# 30-015-49597
- Javelina Unit 416H API# 30-015-49734

The “In place Burial” closure plan for the pit was approved by the NMOCD on March 28, 2022, and the permit application and approval are on the OCD website.

Tetra Tech, on behalf of Chevron, collected a five-point composite sample from the contents of the Temporary Pit. A copy of the laboratory report is presented in **Attachment A**, and the following table provides a summary of the analytical results.

| Analytical Results for SND Pad 413 | | | | | |
|---|---|---|---|---|---|
| **Name** | **Chloride (mg/kg)** | **TPH (mg/kg)** | **GRO + DRO** | **Benzene** | **BTEX** |
| Burial Standard | 80,000 | 2,500 | 1,000 | 10 | 50 |
| Javelina Unit P413 | 35,700 | 50.0 | 50.0 | <0.00200 | <0.00401 |

Based on the results, a no soil mixing will be utilized to meet the in-place closure target concentrations found in Table II of 19.15.17.13 NMAC. The closure process will follow the previously submitted plan.

Thank you for your consideration of the notice of in-place closure.

Sincerely,

John Faught, GIT
Project Manager
Tetra Tech, Inc.

Clair Gonzales, PG
Operations Manager
Tetra Tech, Inc.

**Enclosures:**

**Attachment A:** Laboratory Analytical Results

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: John Faught
Tetra Tech, Inc.
901 W Wall
Ste 100
Midland, Texas 79701

Generated 11/14/2023 1:48:28 PM

## JOB DESCRIPTION

SND Pad 413
Eddy County, NM

## JOB NUMBER

880-35593-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.





my EOL

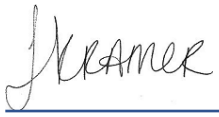
# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



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11/14/2023 1:48:28 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Tetra Tech, Inc.
Project/Site: SND Pad 413

Laboratory Job ID: 880-35593-1
SDG: Eddy County, NM

# Table of Contents

# Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 880-35593-1
Project/Site: SND Pad 413 SDG: Eddy County, NM

## Qualifiers

### GC VOA

| Qualifier | Qualifier Description |
|---|---|
| F1 | MS and/or MSD recovery exceeds control limits. |
| S1- | Surrogate recovery exceeds control limits, low biased. |
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| F1 | MS and/or MSD recovery exceeds control limits. |
| U | Indicates the analyte was analyzed for but not detected. |

### HPLC/IC

| Qualifier | Qualifier Description |
|---|---|
| U | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

# Case Narrative

Client: Tetra Tech, Inc.
Project/Site: SND Pad 413

Job ID: 880-35593-1
SDG: Eddy County, NM

## Job ID: 880-35593-1

**Laboratory: Eurofins Midland**

**Narrative**

**Job Narrative**
**880-35593-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**
The sample was received on 11/9/2023 9:57 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C

**Receipt Exceptions**
The following sample was received and analyzed from an unpreserved bulk soil jar: SND Pad 413 (880-35593-1).

**GC VOA**
Method 8021B: Surrogate recovery for the following samples were outside control limits: SND Pad 413 (880-35593-1), (CCV 880-66703/82), (LCS 880-66702/1-A), (LCSD 880-66702/2-A), (880-35593-A-1-B MS) and (880-35593-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-66702 and analytical batch 880-66703 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**
Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-66717 and analytical batch 880-66782 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: SND Pad 413

Job ID: 880-35593-1
SDG: Eddy County, NM

## Client Sample ID: SND Pad 413

**Date Collected: 11/08/23 11:30**
**Date Received: 11/09/23 09:57**

## Lab Sample ID: 880-35593-1

**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/10/23 10:44 | 11/12/23 08:20 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/10/23 10:44 | 11/12/23 08:20 | 1 |
| Ethylbenzene | <0.00200 | U F1 | 0.00200 | | mg/Kg | | 11/10/23 10:44 | 11/12/23 08:20 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U F1 | 0.00401 | | mg/Kg | | 11/10/23 10:44 | 11/12/23 08:20 | 1 |
| o-Xylene | <0.00200 | U F1 | 0.00200 | | mg/Kg | | 11/10/23 10:44 | 11/12/23 08:20 | 1 |
| Xylenes, Total | <0.00401 | U F1 | 0.00401 | | mg/Kg | | 11/10/23 10:44 | 11/12/23 08:20 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *221* | *S1+* | *70 - 130* | *11/10/23 10:44* | *11/12/23 08:20* | *1* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* | *11/10/23 10:44* | *11/12/23 08:20* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00401 | U | 0.00401 | | mg/Kg | | | 11/12/23 08:20 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **50.0** | | 49.7 | | mg/Kg | | | 11/12/23 23:02 | 1 |

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7 | U | 49.7 | | mg/Kg | | 11/10/23 13:21 | 11/12/23 23:02 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **50.0** | | 49.7 | | mg/Kg | | 11/10/23 13:21 | 11/12/23 23:02 | 1 |
| OII Range Organics (Over C28-C36) | <49.7 | U | 49.7 | | mg/Kg | | 11/10/23 13:21 | 11/12/23 23:02 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *84* | | *70 - 130* | *11/10/23 13:21* | *11/12/23 23:02* | *1* |
| *o-Terphenyl* | *89* | | *70 - 130* | *11/10/23 13:21* | *11/12/23 23:02* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **35700** | | 248 | | mg/Kg | | | 11/14/23 11:05 | 50 |

# Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: SND Pad 413

Job ID: 880-35593-1
SDG: Eddy County, NM

## Method: 8021B - Volatile Organic Compounds (GC)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| | | BFB1 | DFBZ1 |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) |
| 880-35593-1 | SND Pad 413 | 221 S1+ | 103 |
| 880-35593-1 MS | SND Pad 413 | 134 S1+ | 64 S1- |
| 880-35593-1 MSD | SND Pad 413 | 189 S1+ | 108 |
| LCS 880-66702/1-A | Lab Control Sample | 133 S1+ | 69 S1- |
| LCSD 880-66702/2-A | Lab Control Sample Dup | 140 S1+ | 86 |
| MB 880-66435/5-A | Method Blank | 76 | 71 |
| MB 880-66702/5-A | Method Blank | 71 | 87 |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| | | 1CO1 | OTPH1 |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) |
| 880-35593-1 | SND Pad 413 | 84 | 89 |
| 890-5575-A-10-D MS | Matrix Spike | 80 | 73 |
| 890-5575-A-10-E MSD | Matrix Spike Duplicate | 78 | 76 |
| LCS 880-66717/2-A | Lab Control Sample | 104 | 120 |
| LCSD 880-66717/3-A | Lab Control Sample Dup | 99 | 104 |
| MB 880-66717/1-A | Method Blank | 81 | 90 |

**Surrogate Legend**

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

# QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: SND Pad 413

Job ID: 880-35593-1
SDG: Eddy County, NM

## Method: 8021B - Volatile Organic Compounds (GC)

**Lab Sample ID: MB 880-66435/5-A**
**Matrix: Solid**
**Analysis Batch: 66703**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 66435**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/07/23 15:55 | 11/11/23 18:17 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/07/23 15:55 | 11/11/23 18:17 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/07/23 15:55 | 11/11/23 18:17 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 11/07/23 15:55 | 11/11/23 18:17 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/07/23 15:55 | 11/11/23 18:17 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 11/07/23 15:55 | 11/11/23 18:17 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *76* | | *70 - 130* | *11/07/23 15:55* | *11/11/23 18:17* | *1* |
| *1,4-Difluorobenzene (Surr)* | *71* | | *70 - 130* | *11/07/23 15:55* | *11/11/23 18:17* | *1* |

**Lab Sample ID: MB 880-66702/5-A**
**Matrix: Solid**
**Analysis Batch: 66703**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 66702**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/10/23 10:44 | 11/12/23 07:54 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/10/23 10:44 | 11/12/23 07:54 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/10/23 10:44 | 11/12/23 07:54 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 11/10/23 10:44 | 11/12/23 07:54 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 11/10/23 10:44 | 11/12/23 07:54 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 11/10/23 10:44 | 11/12/23 07:54 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *71* | | *70 - 130* | *11/10/23 10:44* | *11/12/23 07:54* | *1* |
| *1,4-Difluorobenzene (Surr)* | *87* | | *70 - 130* | *11/10/23 10:44* | *11/12/23 07:54* | *1* |

**Lab Sample ID: LCS 880-66702/1-A**
**Matrix: Solid**
**Analysis Batch: 66703**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 66702**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1175 | | mg/Kg | | 117 | 70 - 130 |
| Toluene | 0.100 | 0.1283 | | mg/Kg | | 128 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.1206 | | mg/Kg | | 121 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2357 | | mg/Kg | | 118 | 70 - 130 |
| o-Xylene | 0.100 | 0.1294 | | mg/Kg | | 129 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *133* | *S1+* | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *69* | *S1-* | *70 - 130* |

**Lab Sample ID: LCSD 880-66702/2-A**
**Matrix: Solid**
**Analysis Batch: 66703**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 66702**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1201 | | mg/Kg | | 120 | 70 - 130 | 2 | 35 |

# QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: SND Pad 413

Job ID: 880-35593-1
SDG: Eddy County, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: LCSD 880-66702/2-A** — **Client Sample ID: Lab Control Sample Dup**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 66703** — **Prep Batch: 66702**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Toluene | | | 0.100 | 0.1082 | | mg/Kg | | 108 | 70 - 130 | 17 | 35 |
| Ethylbenzene | | | 0.100 | 0.1139 | | mg/Kg | | 114 | 70 - 130 | 6 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.2232 | | mg/Kg | | 112 | 70 - 130 | 5 | 35 |
| o-Xylene | | | 0.100 | 0.1147 | | mg/Kg | | 115 | 70 - 130 | 12 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *140* | *S1+* | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *86* | | *70 - 130* |

**Lab Sample ID: 880-35593-1 MS** — **Client Sample ID: SND Pad 413**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 66703** — **Prep Batch: 66702**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.0996 | 0.07887 | | mg/Kg | | 79 | 70 - 130 |
| Toluene | <0.00200 | U | 0.0996 | 0.07271 | | mg/Kg | | 73 | 70 - 130 |
| Ethylbenzene | <0.00200 | U F1 | 0.0996 | 0.06293 | F1 | mg/Kg | | 63 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00401 | U F1 | 0.199 | 0.1210 | F1 | mg/Kg | | 61 | 70 - 130 |
| o-Xylene | <0.00200 | U F1 | 0.0996 | 0.06362 | F1 | mg/Kg | | 64 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *134* | *S1+* | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *64* | *S1-* | *70 - 130* |

**Lab Sample ID: 880-35593-1 MSD** — **Client Sample ID: SND Pad 413**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 66703** — **Prep Batch: 66702**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.0990 | 0.1056 | | mg/Kg | | 107 | 70 - 130 | 29 | 35 |
| Toluene | <0.00200 | U | 0.0990 | 0.09776 | | mg/Kg | | 99 | 70 - 130 | 29 | 35 |
| Ethylbenzene | <0.00200 | U F1 | 0.0990 | 0.07961 | | mg/Kg | | 80 | 70 - 130 | 23 | 35 |
| m-Xylene & p-Xylene | <0.00401 | U F1 | 0.198 | 0.1627 | | mg/Kg | | 82 | 70 - 130 | 29 | 35 |
| o-Xylene | <0.00200 | U F1 | 0.0990 | 0.07839 | | mg/Kg | | 79 | 70 - 130 | 21 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *189* | *S1+* | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *108* | | *70 - 130* |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Lab Sample ID: MB 880-66717/1-A** — **Client Sample ID: Method Blank**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 66782** — **Prep Batch: 66717**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 50.0 | | mg/Kg | | 11/10/23 13:21 | 11/12/23 08:51 | 1 |

# QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: SND Pad 413

Job ID: 880-35593-1
SDG: Eddy County, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: MB 880-66717/1-A**
**Matrix: Solid**
**Analysis Batch: 66782**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 66717**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 11/10/23 13:21 | 11/12/23 08:51 | 1 |
| OII Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 11/10/23 13:21 | 11/12/23 08:51 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *81* | | *70 - 130* | *11/10/23 13:21* | *11/12/23 08:51* | *1* |
| *o-Terphenyl* | *90* | | *70 - 130* | *11/10/23 13:21* | *11/12/23 08:51* | *1* |

**Lab Sample ID: LCS 880-66717/2-A**
**Matrix: Solid**
**Analysis Batch: 66782**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 66717**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 970.4 | | mg/Kg | | 97 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 1045 | | mg/Kg | | 104 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *104* | | *70 - 130* |
| *o-Terphenyl* | *120* | | *70 - 130* |

**Lab Sample ID: LCSD 880-66717/3-A**
**Matrix: Solid**
**Analysis Batch: 66782**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 66717**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 988.9 | | mg/Kg | | 99 | 70 - 130 | 2 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 1020 | | mg/Kg | | 102 | 70 - 130 | 2 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *99* | | *70 - 130* |
| *o-Terphenyl* | *104* | | *70 - 130* |

**Lab Sample ID: 890-5575-A-10-D MS**
**Matrix: Solid**
**Analysis Batch: 66782**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**
**Prep Batch: 66717**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.5 | U F1 | 1010 | 709.0 | | mg/Kg | | 70 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | <49.5 | U | 1010 | 767.7 | | mg/Kg | | 74 | 70 - 130 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *80* | | *70 - 130* |
| *o-Terphenyl* | *73* | | *70 - 130* |

# QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: SND Pad 413

Job ID: 880-35593-1
SDG: Eddy County, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: 890-5575-A-10-E MSD** — **Client Sample ID: Matrix Spike Duplicate**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 66782** — **Prep Batch: 66717**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <49.5 | U F1 | 1010 | 692.9 | F1 | mg/Kg | | 69 | 70 - 130 | 2 | 20 |
| Diesel Range Organics (Over C10-C28) | <49.5 | U | 1010 | 786.4 | | mg/Kg | | 76 | 70 - 130 | 2 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *78* | | *70 - 130* |
| *o-Terphenyl* | *76* | | *70 - 130* |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-66671/1-A** — **Client Sample ID: Method Blank**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 66954**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 11/14/23 08:16 | 1 |

**Lab Sample ID: LCS 880-66671/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 66954**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 250 | 231.8 | | mg/Kg | | 93 | 90 - 110 |

**Lab Sample ID: LCSD 880-66671/3-A** — **Client Sample ID: Lab Control Sample Dup**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 66954**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 250 | 233.0 | | mg/Kg | | 93 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 880-35572-A-2-B MS** — **Client Sample ID: Matrix Spike**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 66954**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 1150 | | 1260 | 2376 | | mg/Kg | | 97 | 90 - 110 |

**Lab Sample ID: 880-35572-A-2-C MSD** — **Client Sample ID: Matrix Spike Duplicate**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 66954**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 1150 | | 1260 | 2385 | | mg/Kg | | 98 | 90 - 110 | 0 | 20 |

# QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: SND Pad 413

Job ID: 880-35593-1
SDG: Eddy County, NM

## GC VOA

### Prep Batch: 66435

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-66435/5-A | Method Blank | Total/NA | Solid | 5035 | |

### Prep Batch: 66702

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-35593-1 | SND Pad 413 | Total/NA | Solid | 5035 | |
| MB 880-66702/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-66702/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-66702/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-35593-1 MS | SND Pad 413 | Total/NA | Solid | 5035 | |
| 880-35593-1 MSD | SND Pad 413 | Total/NA | Solid | 5035 | |

### Analysis Batch: 66703

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-35593-1 | SND Pad 413 | Total/NA | Solid | 8021B | 66702 |
| MB 880-66435/5-A | Method Blank | Total/NA | Solid | 8021B | 66435 |
| MB 880-66702/5-A | Method Blank | Total/NA | Solid | 8021B | 66702 |
| LCS 880-66702/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 66702 |
| LCSD 880-66702/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 66702 |
| 880-35593-1 MS | SND Pad 413 | Total/NA | Solid | 8021B | 66702 |
| 880-35593-1 MSD | SND Pad 413 | Total/NA | Solid | 8021B | 66702 |

### Analysis Batch: 66852

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-35593-1 | SND Pad 413 | Total/NA | Solid | Total BTEX | |

## GC Semi VOA

### Prep Batch: 66717

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-35593-1 | SND Pad 413 | Total/NA | Solid | 8015NM Prep | |
| MB 880-66717/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-66717/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-66717/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-5575-A-10-D MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-5575-A-10-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

### Analysis Batch: 66782

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-35593-1 | SND Pad 413 | Total/NA | Solid | 8015B NM | 66717 |
| MB 880-66717/1-A | Method Blank | Total/NA | Solid | 8015B NM | 66717 |
| LCS 880-66717/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 66717 |
| LCSD 880-66717/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 66717 |
| 890-5575-A-10-D MS | Matrix Spike | Total/NA | Solid | 8015B NM | 66717 |
| 890-5575-A-10-E MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 66717 |

### Analysis Batch: 66896

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-35593-1 | SND Pad 413 | Total/NA | Solid | 8015 NM | |

# QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: SND Pad 413

Job ID: 880-35593-1
SDG: Eddy County, NM

## HPLC/IC

### Leach Batch: 66671

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-35593-1 | SND Pad 413 | Soluble | Solid | DI Leach | |
| MB 880-66671/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-66671/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-66671/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-35572-A-2-B MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 880-35572-A-2-C MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

### Analysis Batch: 66954

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-35593-1 | SND Pad 413 | Soluble | Solid | 300.0 | 66671 |
| MB 880-66671/1-A | Method Blank | Soluble | Solid | 300.0 | 66671 |
| LCS 880-66671/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 66671 |
| LCSD 880-66671/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 66671 |
| 880-35572-A-2-B MS | Matrix Spike | Soluble | Solid | 300.0 | 66671 |
| 880-35572-A-2-C MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 66671 |

# Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: SND Pad 413

Job ID: 880-35593-1
SDG: Eddy County, NM

## Client Sample ID: SND Pad 413

**Date Collected: 11/08/23 11:30**
**Date Received: 11/09/23 09:57**

## Lab Sample ID: 880-35593-1

**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 66702 | 11/10/23 10:44 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 66703 | 11/12/23 08:20 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 66852 | 11/12/23 08:20 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 66896 | 11/12/23 23:02 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.06 g | 10 mL | 66717 | 11/10/23 13:21 | TKC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 66782 | 11/12/23 23:02 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 66671 | 11/09/23 21:23 | SMC | EET MID |
| Soluble | Analysis | 300.0 | | 50 | | | 66954 | 11/14/23 11:05 | CH | EET MID |

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: SND Pad 413

Job ID: 880-35593-1
SDG: Eddy County, NM

## Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Texas | NELAP | T104704400-23-26 | 06-30-24 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| 8015 NM | | Solid | Total TPH |
| Total BTEX | | Solid | Total BTEX |

# Method Summary

Client: Tetra Tech, Inc.
Project/Site: SND Pad 413

Job ID: 880-35593-1
SDG: Eddy County, NM

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 8021B | Volatile Organic Compounds (GC) | SW846 | EET MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | EET MID |
| 8015 NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 8015B NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 300.0 | Anions, Ion Chromatography | EPA | EET MID |
| 5035 | Closed System Purge and Trap | SW846 | EET MID |
| 8015NM Prep | Microextraction | SW846 | EET MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | EET MID |

**Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# Sample Summary

Client: Tetra Tech, Inc.
Project/Site: SND Pad 413

Job ID: 880-35593-1
SDG: Eddy County, NM

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 880-35593-1 | SND Pad 413 | Solid | 11/08/23 11:30 | 11/09/23 09:57 |

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

880-35593 Chain of Custody

| | |
|---|---|
| Client Name: Chevron MCBU | Site Manager: John Faught |
| Project Name: SND Pad 413 | |
| Project Location (county, state): Eddy County, NM | Project #: TBD |
| Invoice to: john faught1@tetratech com | |
| Receiving Laboratory: Eurofins Laboratory | Sampler Signature: Brady Vaughan |
| Comments: Email john faught1@tetratech com, russ weigand@tetratech com, kimbeebe@chevron com | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING YEAR DATE | SAMPLING TIME | MATRIX WATER | MATRIX Cuttings | MATRIX | PRESERVATIVE METHOD HCL | PRESERVATIVE METHOD $HNO_3$ | PRESERVATIVE METHOD ICE | PRESERVATIVE METHOD | PRESERVATIVE METHOD | # CONTAINERS | FILTERED (Y/N) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SND Pad 413 | 11/8/23 | 11:30AM | | X | | | | | | | 1 | |

**ANALYSIS REQUEST**
**(Circle or Specify Method No.)**

| BTEX 8021B | TPH TX1005 (Ext to C35) | TPH 8015M ( GRO DRO - ORO MRO) 4/8 1 | 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 EPA 300 | Chloride Sulfate TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | Method 9095 | | | Hold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| X | | X | | | | | | | | | | | | X | | | | | | | |

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| Brady Vaughan | 11/9 | 8 00AM | | | |
| John Faught | 11/9 | 0955 | | 11/9/23 | 957 |
| | | | | | |

**LAB USE ONLY**

Sample Temperature: 5.3/5.5

**REMARKS:**

- ☐ RUSH Same Day 24 hr 48 hr 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

ORIGINAL COPY

# Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-35593-1
SDG Number: Eddy County, NM

**Login Number: 35593**
**List Number: 1**
**Creator: Rodriguez, Leticia**

**List Source: Eurofins Midland**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |

TETRA TECH

# Attachment B

C-105 Form, Plot Plan

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-105
Revised April 3, 2017

1. WELL API NO.
30-025-49732, 49655, 49597,49734

2. Type of Lease
☐ STATE ☐ FEE ☒ FED/INDIAN

3. State Oil & Gas Lease No.

# WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

☐ **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

☒ **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)

5. Lease Name or Unit Agreement Name Sand Dunes

6. Well Number: Javelina Unit P413 (413H, 414H, 415H, 416H)

7. Type of Completion:
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER

8. Name of Operator: Chevron U.S.A. Inc.

9. OGRID: 4323

10. Address of Operator
6301 Deauville Blvd., Midland, Texas 79706

11. Pool name or Wildcat

| 12.Location | Unit Ltr | Section | Township | Range | Lot | Feet from the | N/S Line | Feet from the | E/W Line | County |
|---|---|---|---|---|---|---|---|---|---|---|
| **Surface:** | | | | | | | | | | |
| **BH:** | | | | | | | | | | |

| 13. Date Spudded | 14. Date T.D. Reached | 15. Date Rig Released 4/20/23 | 16. Date Completed (Ready to Produce) | 17. Elevations (DF and RKB, RT, GR, etc.) |
|---|---|---|---|---|
| | | | | |

| 18. Total Measured Depth of Well | 19. Plug Back Measured Depth | 20. Was Directional Survey Made? | 21. Type Electric and Other Logs Run |
|---|---|---|---|
| | | | |

22. Producing Interval(s), of this completion - Top, Bottom, Name

23. **CASING RECORD** (Report all strings set in well)

| CASING SIZE | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

24. LINER RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN |
|---|---|---|---|---|
| | | | | |
| | | | | |

25. TUBING RECORD

| SIZE | DEPTH SET | PACKER SET |
|---|---|---|
| | | |
| | | |

26. Perforation record (interval, size, and number)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
|---|---|
| | |
| | |
| | |

28. **PRODUCTION**

| Date First Production | Production Method *(Flowing, gas lift, pumping - Size and type pump)* | Well Status *(Prod. or Shut-in)* |
|---|---|---|
| | | |

| Date of Test | Hours Tested | Choke Size | Prod'n For Test Period | Oil - Bbl | Gas - MCF | Water - Bbl. | Gas - Oil Ratio |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| Flow Tubing Press. | Casing Pressure | Calculated 24-Hour Rate | Oil - Bbl. | Gas - MCF | Water - Bbl. | Oil Gravity - API - *(Corr.)* |
|---|---|---|---|---|---|---|
| | | | | | | |

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*

30. Test Witnessed By

31. List Attachments

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. Rig Release Date: 4/20/2023

34. If an on-site burial was used at the well, report the exact location of the on-site burial:
Latitude 32.16693 Longitude -103.659297 NAD83

*I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief*

| Signature | Printed Name | Title | Date |
|---|---|---|---|
| Kim Beebe | | | |
| E-mail Address kdfk@chevron | Kim Beebe | Waste Advisor | 6/4/2024 |

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

| Southeastern New Mexico | | Northwestern New Mexico | |
|---|---|---|---|
| T. Anhy | T. Canyon | T. Ojo Alamo | T. Penn A" |
| T. Salt | T. Strawn | T. Kirtland | T. Penn. "B" |
| B. Salt | T. Atoka | T. Fruitland | T. Penn. "C" |
| T. Yates | T. Miss | T. Pictured Cliffs | T. Penn. "D" |
| T. 7 Rivers | T. Devonian | T. Cliff House | T. Leadville |
| T. Queen | T. Silurian | T. Menefee | T. Madison |
| T. Grayburg | T. Montoya | T. Point Lookout | T. Elbert |
| T. San Andres | T. Simpson | T. Mancos | T. McCracken |
| T. Glorieta | T. McKee | T. Gallup | T. Ignacio Otzte |
| T. Paddock | T. Ellenburger | Base Greenhorn | T.Granite |
| T. Blinebry | T. Gr. Wash | T. Dakota | |
| T.Tubb | T. Delaware Sand | T. Morrison | |
| T. Drinkard | T. Bone Springs | T.Todilto | |
| T. Abo | T. | T. Entrada | |
| T. Wolfcamp | T. | T. Wingate | |
| T. Penn | T. | T. Chinle | |
| T. Cisco (Bough C) | T. | T. Permian | |

**OIL OR GAS SANDS OR ZONES**

No. 1, from……..……..….to……. No. 3, from……to…….……

No. 2, from……to…… No. 4, from……to…….

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

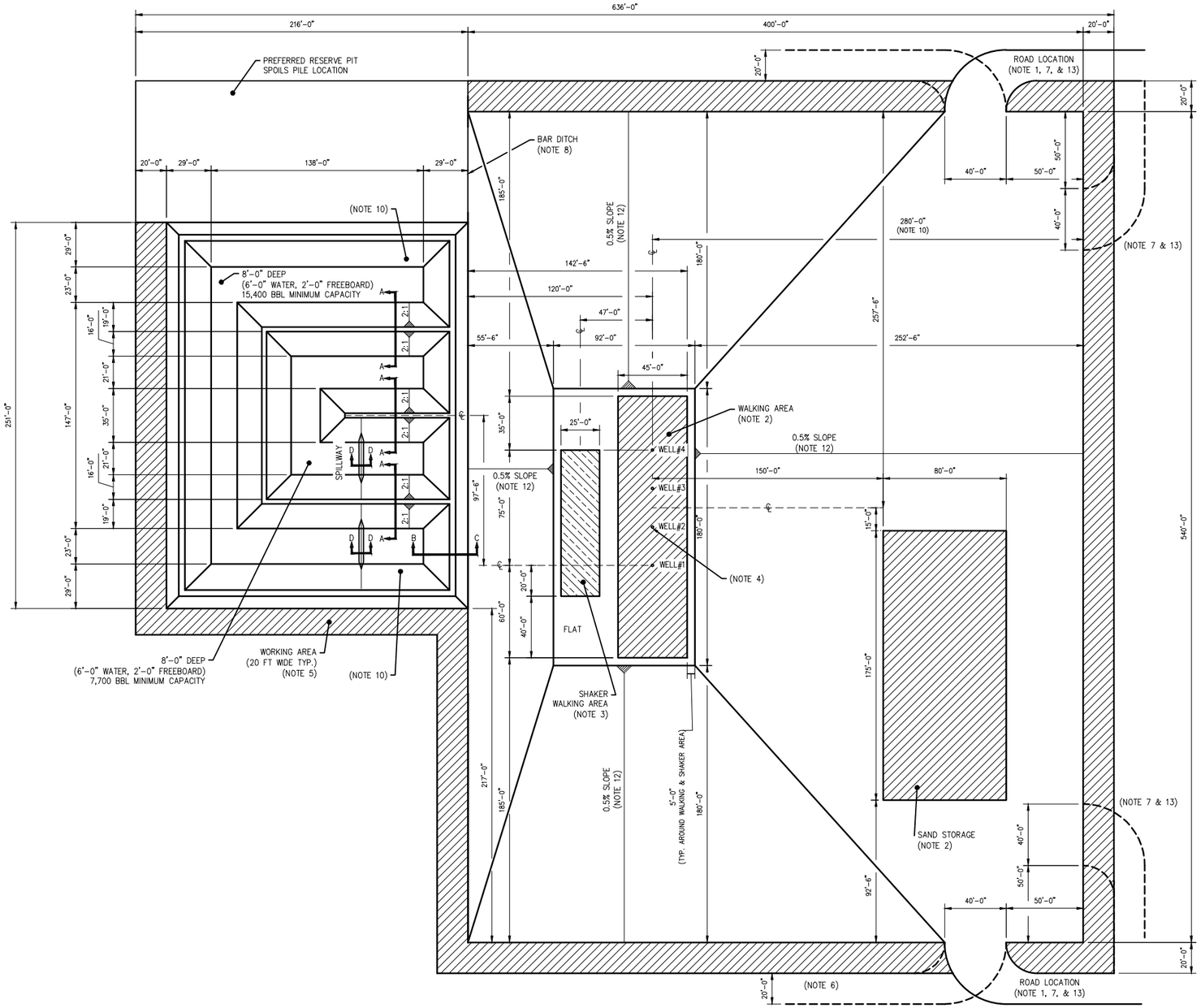
No. 1, from…….to……feet……

No. 2, from…….to……feet……

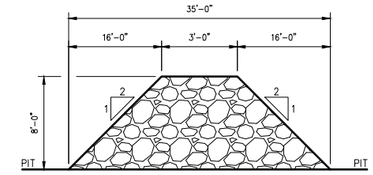
No. 3, from…….to……feet……

## LITHOLOGY RECORD (Attach additional sheet if necessary)

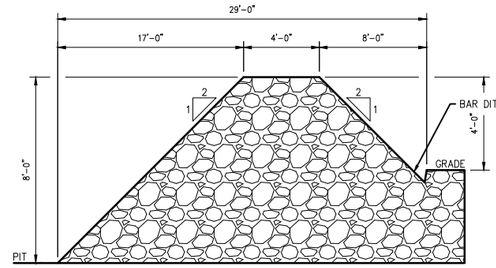
| From | To | Thickness In Feet | Lithology | | From | To | Thickness In Feet | Lithology |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |



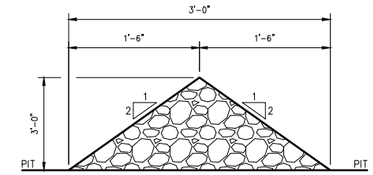

MAGNETIC NORTH




SECTION A–A
NOT TO SCALE




SECTION B–C
NOT TO SCALE




SECTION D–D
NOT TO SCALE

NOTES:
1. PRIMARY PAD ENTRANCE MUST BE ON WEST OR EAST SIDE OF PAD FOR DRILLING LAYOUT.
2. SEE GEO–TECHNICAL INVESTIGATION REPORT FOR COMPACTION RECOMMENDATION. SEE DRILLING MAT LAYOUT FOR DETAILS.
3. SHAKER WALKING AREA IS REQUIRED WHEN USING NABORS M800 SERIES DRILLING RIG.
4. FOR COMPLETIONS GRAVEL LOCATIONS, SEE DWG. FACTSTD–COMGRVL–CIV–PVD–MCB–0001–01.
5. SHADED WORKING AREA IS NOT A PART OF THE PERMITTED PAD. PERMITTED PAD AREA IS 490 FT X 400 FT FOR A 2 WELL PAD.
6. ROAD CAN COME FROM EITHER THE NORTH OR SOUTH DIRECTION DEPENDING ON LEASE ORIENTATION.
7. SECONDARY ACCESS ROAD IS REQUIRED FOR COMPLETIONS DRIVE–THROUGH. SECONDARY ACCESS ROAD CAN BE EITHER ON EAST/WEST EDGE OF PAD OR SOUTH EDGE OF PAD, BUT MUST BE OPPOSITE OF PRIMARY PAD ENTRANCE (REF. NOTE 1) FE MUST CONSULT D&C ADVISOR TO COMPLETE PMOC IF SECONDARY ROAD IS NOT FEASIBLE.
8. 1FT. X 1FT. BAR DITCHING TO BE PROVIDED BETWEEN PAD AND RESERVE PIT, DITCH WILL BE FILLED WITH 1" CLEAN ROCK.
9. 6 LOADS OF ROCK FOR DRILLING TRAILERS & DITCH COM ROCK DROPPED IN NEW CORNER.
10. DIMENSION SOUTH OF THE WELLS CAN BE REDUCED TO 260' IF BASIS OF DESIGN IS CONVENTIONAL FRAC OPERATIONS.
11. PAINT 8' LONG PIT LEVEL MARKERS EVERY 2' FROM THE BOTTOM LABEL BY THE LENGTH OF THE INCLINE FROM THE BOTTOM OF THE PIT.
12. PREDOMINANT DRAINING DIRECTION TO BE FIELD–DETERMINED BASED ON LOCAL TOPOGRAPHY.
13. CROSS SECTIONAL PLANE OF ROAD ENTRANCES TO PAD TO HAVE MAXIMUM SLOPING OF 0.5% (E.G. NO MORE THAN 2.4" OF ELEVATION DROP ALONG THE WIDTH OF A 40FT ENTRANCE.)

80' 40' 0' 20' 40' 60' 80'

SCALE: 1"=40'

REVISIONS

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 0 | APPROVED FOR CONSTRUCTION BASIN DESIGN, DRF 22020 EV 02/10/22 | EB | CKHT | | | | | |
| | | | | | | | | |
| | | | | | | | | |

AFC
APPROVED FOR CONSTRUCTION

Chevron U.S.A. Inc.

DELAWARE BASIN – CARLSBAD WEST NM FOT
CARLSBAD WEST NM ALL – LEA COUNTY, NM

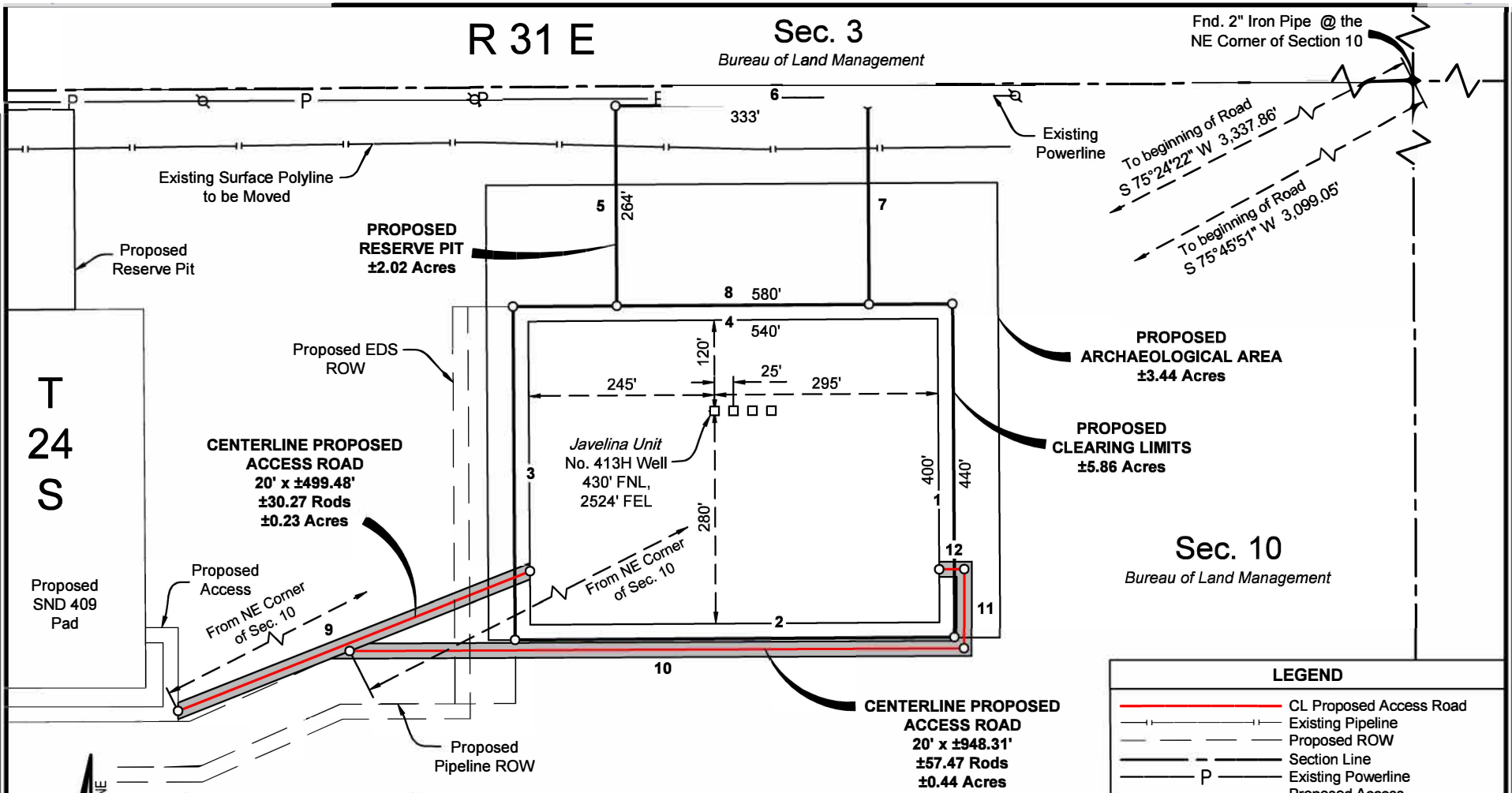
CIVIL – FACTORY STANDARD 4 WELL PAD PLAN – OPEN LOOP

DR. EV
ENG. CKHT

CLWNFMT-ALL-CIV-PVD-MCB-0001-01 0

ALTERNATE DWG NUMBER API NUMBER LEASE NUMBER

PLOT DATE: 02/10/2022, FILE NAME: CLWNFMT-ALL-CIV-PVD-MCB-0001-01




**LEGEND**

- CL Proposed Access Road
- Existing Pipeline
- Proposed ROW
- Section Line
- Existing Powerline
- Proposed Access
- Proposed Drill Pad/Reserve Pit
- Fnd. Monument
- Existing Power pole

NAD 27 NEW MEXICO EAST ZONE

| JAVELINA UNIT 413H | | |
|---|---|---|
| X= | 675,779' | NAD 27 |
| Y= | 450,709' | |
| LAT. | 32.237837° N | |
| LONG. | 103.764825° W | |
| X= | 716,963' | NAD83/2011 |
| Y= | 450,768' | |
| LAT. | 32.237960° N | |
| LONG. | 103.765309° W | |
| ELEV. | +3,470' | NAVD88 |

Scale: 1" = 200'

200' 0 100' 200'

FOR THE EXCLUSIVE USE OF CHEVRON U.S.A. INC.
I, Robert L. Lastrapes, Professional Surveyor, do hereby state this plat is true and correct to the best of my knowledge.

ROBERT L. LASTRAPES NEW MEXICO 23006 PROFESSIONAL SURVEYOR 07/28/2021

Robert L. Lastrapes
Registration No. 23006

FENSTERMAKER

C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

WELL PLAT



# CHEVRON U.S.A. INC.

## PROPOSED PAD,RESERVE PIT & ACCESS ROADS
## JAVELINA UNIT NO. 413H WELL
## SECTION 10, T24S-R31E
## EDDY COUNTY, NEW MEXICO

| | REVISIONS | | | |
|---|---|---|---|---|
| DRAWN BY: PBH | # | BY: | DATE: | DESCRIPTION: |
| PROJ. MGR.: VHV | | | | |
| DATE: 07/21/2021 | | | | |
| FILENAME: T:\2021\2213134\DWG\Javelina Unit No. 413H_Well Plat.dwg | | | | |

| NW PAD CORNER | | | NE PAD CORNER | | | NW ARCH AREA CORNER | | | NE ARCH AREA CORNER | | | NW RESERVE PIT CORNER | | | NE RESERVE PIT CORNER | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| X= | 675,513' | NAD 27 | X= | 676,093' | NAD 27 | X= | 675,478' | NAD 27 | X= | 676,153' | NAD 27 | X= | 675,649' | NAD 27 | X= | 675,982' | NAD 27 |
| Y= | 450,847' | | Y= | 450,851' | | Y= | 451,007' | | Y= | 451,011' | | Y= | 451,112' | | Y= | 451,114' | |
| LAT. | 32.238221° N | | LAT. | 32.238222° N | | LAT. | 32.238661° N | | LAT. | 32.238662° N | | LAT. | 32.238947° N | | LAT. | 32.238948° N | |
| LONG. | 103.765683° W | | LONG. | 103.763807° W | | LONG. | 103.765796° W | | LONG. | 103.763613° W | | LONG. | 103.765240° W | | LONG. | 103.764163° W | |
| X= | 716,697' | NAD83/2011 | X= | 717,277' | NAD83/2011 | X= | 716,661' | NAD83/2011 | X= | 717,336' | NAD83/2011 | X= | 716,833' | NAD83/2011 | X= | 717,166' | NAD83/2011 |
| Y= | 450,906' | | Y= | 450,910' | | Y= | 451,066' | | Y= | 451,070' | | Y= | 451,171' | | Y= | 451,173' | |
| LAT. | 32.238344° N | | LAT. | 32.238345° N | | LAT. | 32.238784° N | | LAT. | 32.238785° N | | LAT. | 32.239070° N | | LAT. | 32.239071° N | |
| LONG. | 103.766167° W | | LONG. | 103.764291° W | | LONG. | 103.766281° W | | LONG. | 103.764097° W | | LONG. | 103.765725° W | | LONG. | 103.764648° W | |
| ELEV. | ±3,466' | NAVD88 | ELEV. | ±3,475' | NAVD88 | ELEV. | ±3,466' | NAVD88 | ELEV. | ±3,474' | NAVD88 | ELEV. | ±3,469' | NAVD88 | ELEV. | ±3,471' | NAVD88 |
| SW PAD CORNER | | | SE PAD CORNER | | | SW ARCH AREA CORNER | | | SE ARCH AREA CORNER | | | SW RESERVE PIT CORNER | | | SE RESERVE PIT CORNER | | |
| X= | 675,516' | NAD 27 | X= | 676,096' | NAD 27 | X= | 675,481' | NAD 27 | X= | 676,156' | NAD 27 | X= | 675,651' | NAD 27 | X= | 675,983' | NAD 27 |
| Y= | 450,407' | | Y= | 450,411' | | Y= | 450,407' | | Y= | 450,411' | | Y= | 450,848' | | Y= | 450,850' | |
| LAT. | 32.237011° N | | LAT. | 32.237013° N | | LAT. | 32.237011° N | | LAT. | 32.237013° N | | LAT. | 32.238221° N | | LAT. | 32.238223° N | |
| LONG. | 103.765681° W | | LONG. | 103.763805° W | | LONG. | 103.765794° W | | LONG. | 103.763611° W | | LONG. | 103.765239° W | | LONG. | 103.764163° W | |
| X= | 716,700' | NAD83/2011 | X= | 717,280' | NAD83/2011 | X= | 716,665' | NAD83/2011 | X= | 717,340' | NAD83/2011 | X= | 716,834' | NAD83/2011 | X= | 717,167' | NAD83/2011 |
| Y= | 450,466' | | Y= | 450,470' | | Y= | 450,466' | | Y= | 450,470' | | Y= | 450,907' | | Y= | 450,909' | |
| LAT. | 32.237135° N | | LAT. | 32.237136° N | | LAT. | 32.237135° N | | LAT. | 32.237136° N | | LAT. | 32.238344° N | | LAT. | 32.238346° N | |
| LONG. | 103.766165° W | | LONG. | 103.764290° W | | LONG. | 103.766279° W | | LONG. | 103.764095° W | | LONG. | 103.765724° W | | LONG. | 103.764647° W | |
| ELEV. | ±3,469' | NAVD88 | ELEV. | ±3,477' | NAVD88 | ELEV. | ±3,468' | NAVD88 | ELEV. | ±3,478' | NAVD88 | ELEV. | ±3,470' | NAVD88 | ELEV. | ±3,473' | NAVD88 |

| PROPOSED PAD | | |
|---|---|---|
| COURSE | BEARING | DISTANCE |
| 1 | S 00° 21' 56" E | 440.00' |
| 2 | S 89° 38' 04" W | 580.00' |
| 3 | N 00° 21' 56" W | 440.00' |
| 4 | N 89° 38' 04" E | 580.00' |

| PROPOSED RESERVE PIT | | |
|---|---|---|
| COURSE | BEARING | DISTANCE |
| 5 | N 00° 22' 31" W | 264.00' |
| 6 | N 89° 37' 29" E | 333.00' |
| 7 | S 00° 22' 31" E | 264.00' |
| 8 | S 89° 37' 29" W | 333.00' |

| CENTERLINE PROPOSED ACCESS ROAD | | |
|---|---|---|
| COURSE | BEARING | DISTANCE |
| 9 | N 68° 22' 48" E | 499.48' |

| CENTERLINE PROPOSED ACCESS ROAD | | |
|---|---|---|
| COURSE | BEARING | DISTANCE |
| 10 | N 89° 44' 14" E | 811.21' |
| 11 | NORTH | 103.95' |
| 12 | S 89° 44' 27" W | 33.15' |

NOTE:
Please be advised, that while reasonable efforts are made to locate and verify pipelines and anomalies using our standard pipeline locating equipment, it is impossible to be 100 % effective. As such, we advise using caution when performing work as there is a possibility that pipelines and other hazards, such as fiber optic cables, PVC pipelines, etc. may exist undetected on site.

NOTE:
Many states maintain information centers that establish links between those who dig (excavators) and those who own and operate underground facilities (operators). It is advisable and in most states, law, for the contractor to contact the center for assistance in locating and marking underground utilities. For guidance, New Mexico One Call www.nm811.org

DISCLAIMER: At this time, C. H. Fenstermaker & Associates, L.L.C. has not performed nor was asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection with federal/FEMA, state, and/or local laws, ordinances and regulations. Accordingly, Fenstermaker makes no warranty or representation of any kind as to the foregoing issues, and persons or entities using this information shall do so at their own risk.

FOR THE EXCLUSIVE USE OF CHEVRON U.S.A. INC.
I, Robert L. Lastrapes, Professional Surveyor, do hereby state this plat is true and correct to the best of my knowledge.

ROBERT L. LASTRAPES NEW MEXICO 23006 07/28/2021 PROFESSIONAL SURVEYOR

Robert L. Lastrapes
Registration No. 23006

FENSTERMAKER
C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq. Lafayette, LA 70508
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

WELL PLAT Page 2 of 2

# CHEVRON U.S.A. INC.

## PROPOSED PAD, RESERVE PIT & ACCESS ROADS
## JAVELINA UNIT NO. 413H WELL
## SECTION 10, T24S-R31E
## EDDY COUNTY, NEW MEXICO

| | REVISIONS | | | |
|---|---|---|---|---|
| DRAWN BY: PBH | # | BY: | DATE: | DESCRIPTION: |
| PROJ. MGR.: VHV | | | | |
| DATE: 07/21/2021 | | | | |
| FILENAME: T:\2021\2213134\DWG\Javelina Unit No. 413H_Well Plat.dwg | | | | |

TETRA TECH

# Attachment C

Soil Backfilling and Cover Installation

TETRA TECH

## Soil Backfilling & Cover Installation

Soil backfilling and pit closure activities were completed in accordance with Closure and Site Reclamation Requirements detailed in 19.15.17.13 NMAC and conditions of approval. Photographs are provided on the following pages.

1. The Temporary Pit C-144 application was received by the NMOCD March 17, 2022, and subsequently approved on March 28, 2022.
2. A five-point composite sample was collected from the Temporary Pit and sent to Eurofins Laboratory in Midland, Texas on November 8, 2023. The sample was analyzed for chloride, TPH, GRO+DRO, benzene, and BTEX. Based on the analytical results, no soil mixing ratio was needed to meet the in-place closure target concentrations found in Table II of 19.15.17.13 NMAC.
3. A closure notice was submitted to the NMOCD and to BLM (via email) on January 24, 2024, with a copy of the analytical report for the five-point composite sample (Attachment A).
4. On January 31, 2024, closure activities commenced with the mixing of the cuttings and sloping of the material so that the overlying liner will shed infiltrating fluids.
5. On February 22, 2024, eTech Environmental and Safety Solutions mobilized to the site and collected a sample confirming that the mixed cuttings passed paint filter analysis. A copy of the paint filter analytical report is included within this attachment.
6. A 40 mil HDPE liner was then installed in a way that prevents ponding of water and is 4 feet below grade.
7. At least four feet of compacted, uncontaminated, non-waste containing earthen fill were placed above the liner.
8. At least one foot of topsoil was placed over the four feet of compacted material and graded to preserve surface flow patterns and prevent ponding.
9. A steel marker was installed in the center of the former Temporary Pit.
10. The area was broadcast reseeded with BLM #2 Seed Mix (Lot#: 21-3251) at a distribution rate of 5.2 bulk pounds per acre. Additional reseeding and/or weed control measures will be taken, if necessary, upon monitoring activities in 2024.
11. Final closure and reclamation activities were completed on April 4, 2024.

Tetra Tech
901 West Wall Street, Suite 100, Midland, TX 79701
Tel 432.682.4559 Fax 432.682.3946 www.tetratech.com

# Photographic Log

Javelina Unit P413 (413H,414H, 415H, 416H)

Photo 1: Overview of liner installation.

Photo 2: Overview of backfilled temporary pit.

Photo 3: Overview of backfilled temporary pit.

Photo 4: Overview of backfilled temporary pit.

Photo 5: Overview of posted pit sign.

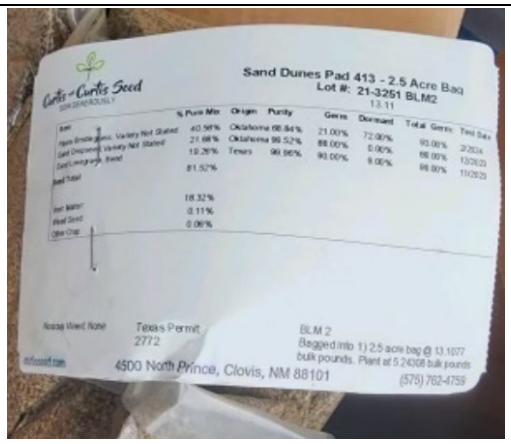



Photo 6: Overview of seed mix used at the Site.

| Page No. | Client: | Site Name: | |
|---|---|---|---|
| 1 of 1 | Chevron MCBU | Javelina Unit P413 | TETRA TECH |

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Blake Estep
Etech Environmental & Safety Solutions
PO BOX 62228
Midland, Texas 79711

Generated 3/12/2024 4:49:57 PM

## JOB DESCRIPTION

SND Pad 413
19879

## JOB NUMBER

880-39949-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

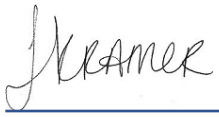
# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



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3/12/2024 4:49:57 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Etech Environmental & Safety Solutions
Project/Site: SND Pad 413

Laboratory Job ID: 880-39949-1
SDG: 19879

# Table of Contents

# Definitions/Glossary

Client: Etech Environmental & Safety Solutions Job ID: 880-39949-1
Project/Site: SND Pad 413 SDG: 19879

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

# Case Narrative

Client: Etech Environmental & Safety Solutions Job ID: 880-39949-1
Project: SND Pad 413

## Job ID: 880-39949-1 Eurofins Midland

**Job Narrative**
**880-39949-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**
The sample was received on 2/26/2024 3:55 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C.

**General Chemistry**
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# Client Sample Results

Client: Etech Environmental & Safety Solutions
Job ID: 880-39949-1
Project/Site: SND Pad 413
SDG: 19879

## Client Sample ID: Paint Test Sample
**Lab Sample ID: 880-39949-1**

**Date Collected: 02/22/24 15:00**
**Matrix: Solid**
**Date Received: 02/26/24 15:55**

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Paint Filter (SW846 9095B) | PASS | | | | No Unit | | | 03/12/24 16:32 | 1 |

# QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: SND Pad 413

Job ID: 880-39949-1
SDG: 19879

## Method: 9095B - Paint Filter (Presence/Absence)

**Lab Sample ID: MB 860-149384/1**
**Matrix: Solid**
**Analysis Batch: 149384**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Paint Filter | PASS | | | | No Unit | | | 03/12/24 16:32 | 1 |

**Lab Sample ID: 860-68184-A-1 DU**
**Matrix: Solid**
**Analysis Batch: 149384**

**Client Sample ID: Duplicate**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | | DU Result | DU Qualifier | Unit | D | | | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Paint Filter | PASS | | | PASS | | No Unit | | | | NC | 20 |

# QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: SND Pad 413

Job ID: 880-39949-1
SDG: 19879

## General Chemistry

### Analysis Batch: 149384

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-39949-1 | Paint Test Sample | Total/NA | Solid | 9095B | |
| MB 860-149384/1 | Method Blank | Total/NA | Solid | 9095B | |
| 860-68184-A-1 DU | Duplicate | Total/NA | Solid | 9095B | |

# Lab Chronicle

Client: Etech Environmental & Safety Solutions
Job ID: 880-39949-1
Project/Site: SND Pad 413
SDG: 19879

## Client Sample ID: Paint Test Sample
**Lab Sample ID: 880-39949-1**

**Date Collected: 02/22/24 15:00**
**Matrix: Solid**

**Date Received: 02/26/24 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 9095B | | 1 | | | 149384 | 03/12/24 16:32 | MLEI | EET HOU |

**Laboratory References:**

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

# Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions
Job ID: 880-39949-1
Project/Site: SND Pad 413
SDG: 19879

## Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Arkansas DEQ | State | 88-00759 | 08-03-24 |
| Florida | NELAP | E871002 | 06-30-24 |
| Louisiana (All) | NELAP | 03054 | 06-30-24 |
| Oklahoma | NELAP | 1306 | 08-31-24 |
| Oklahoma | State | 2023-139 | 08-31-24 |
| Texas | NELAP | T104704215 | 06-30-24 |
| Texas | TCEQ Water Supply | T104704215 | 12-28-25 |
| USDA | US Federal Programs | 525-23-79-79507 | 03-20-26 |

# Method Summary

Client: Etech Environmental & Safety Solutions
Project/Site: SND Pad 413

Job ID: 880-39949-1
SDG: 19879

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 9095B | Paint Filter (Presence/Absence) | SW846 | EET HOU |

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

# Sample Summary

Client: Etech Environmental & Safety Solutions
Project/Site: SND Pad 413

Job ID: 880-39949-1
SDG: 19879

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 880-39949-1 | Paint Test Sample | Solid | 02/22/24 15:00 | 02/26/24 15:55 |

# Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)
www.xenco.com

Page 1 of 1

3/12/2024

| | | | |
|---|---|---|---|
| Project Manager | Blake Estep | Bill to: (if different) | |
| Company Name | Etech Environmental | Company Name. | |
| Address: | 13000 West CR 100 | Address: | |
| City, State ZIP: | Midland, TX 79711 | City, State ZIP: | |
| Phone: | (432)563-2200 | Email: | blake@etechenv.com |

**Work Order Comments**

Program: UST/PST PRP Brownfields RRC Superfund
State of Project:
Reporting.Level II Level III PST/UST TRRP Level IV
Deliverables EDD ADaPT Other

| | | | |
|---|---|---|---|
| Project Name | SND PAD 413 | Turn Around | |
| Project Number: | 19879 | Routine | |
| P O. Number: | 19879 | Rush | |
| Sampler's Name: | | Due Date | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temperature (°C) | 1.3 \| 1.2 | Temp Blank: Yes (No) | Wet Ice (Yes) No |
| Received Intact: | (Yes) No | Thermometer ID | DRG |
| Cooler Custody Seals: | Yes No (N/A) | Correction Factor: | -.1 |
| Sample Custody Seals: | Yes No (N/A) | Total Containers: | |

**ANALYSIS REQUEST**

**Work Order Notes**

Bill Etech

949

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Number of Containers | BTEX (8021B) | TPH (TX1005) | Chloride | Paint Filter Test |
|---|---|---|---|---|---|---|---|---|---|
| Paint Test Sample | SS | 2-22-24 | 1500 | — | 1 | | | | X |

**Sample Comments**

880-39949 Chain of Custody

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

*Circle Method(s) and Metal(s) to be analyzed* TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 Hg

**Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.**

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|
| 1 | | 2/26/24 1555 | 2 | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |

Revised Date 051418 Rev 2018.1

**Eurofins Midland**
1211 W Florida Ave
Midland TX 79701
Phone: 432-704-5440

# Chain of Custody Record

eurofins | Environment Testing

3/12/2024

| Client Information (Sub Contract Lab) | Sampler | Lab PM: Kramer Jessica | Carrier Tracking No(s). | COC No: 880-9360.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: | E-Mail: Jessica.Kramer@et.eurofinsus.com | State of Origin: Texas | Page: Page 1 of 1 |
| Company: Eurofins Environment Testing South Centr | | Accreditations Required (See note): NELAP Louisiana; NELAP Texas | | Job #: 880-39949-1 |
| Address: 4145 Greenbriar Dr | Due Date Requested: 3/1/2024 | | | |
| City: Stafford | TAT Requested (days): | | | |
| State, Zip: TX, 77477 | | | | |
| Phone: 281-240-4200(Tel) | PO #: | | | |
| Email: | WO #: | | | |
| Project Name: SND Pad 413 | Project #: 88000073 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)
Other:

| Sample Identification Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Perform MS/MSD (Yes or No) | 9096B_PA | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|
| Paint Test Sample (880-39949-1) | 2/22/24 | 15:00 Central | | Solid | | X | | |
| | | | | | | | | HCv369 |
| | | | | | | | | 4.1 |
| | | | | | | | | 4.1 |

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

| Possible Hazard Identification | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) |
|---|---|
| Unconfirmed | ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months |
| Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: 2/23/24 9:36 | Company |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No. | Cooler Temperature(s) °C and Other Remarks: |
|---|---|---|

# Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 880-39949-1
SDG Number: 19879

**Login Number: 39949**
**List Number: 1**
**Creator: Rodriguez, Leticia**

**List Source: Eurofins Midland**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |

# Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 880-39949-1
SDG Number: 19879

**Login Number: 39949**
**List Number: 2**
**Creator: Baker, Jeremiah**

**List Source: Eurofins Houston**
**List Creation: 02/28/24 01:32 PM**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |

TETRA TECH

# Attachment D

Updated C-144 Form

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

Form C-144
Revised October 11, 2022

# Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action:
- ☐ Below grade tank registration
- ☐ Permit of a pit or proposed alternative method
- ☑ Closure of a pit, below-grade tank, or proposed alternative method
- ☐ Modification to an existing permit/or registration
- ☐ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

***Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request***

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

**1.**
Operator: Chevron USA, Inc. OGRID #: 4323
Address: 6301 Deauville Blvd., Midland, TX 79706
Facility or well name: Javelina Unit P413 (413H, 414H, 415H, 416H)
API Number: 30-015-49732, 49655, 49597,49734 OCD Permit Number: **FACILITY ID [fVV2208755693]**
U/L or Qtr/Qtr B,C Section 10 Township 24S Range 31E County: Eddy
Center of Proposed Design: Latitude 32.238692 Longitude -103.765194 NAD83
Surface Owner: ☑ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

**2.**
☑ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC
Temporary: ☐ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no
☑ Lined ☐ Unlined Liner type: Thickness 40 mil ☐ LLDPE ☑ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☑ Welded ☐ Factory ☐ Other _____ Volume: 1x15,400, 1x7,700 bbl Dimensions: L 251' x W 196' x D 8'

**3.**
☐ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: _____bbl Type of fluid: _____
Tank Construction material: _____
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other _____
Liner type: Thickness _____mil ☐ HDPE ☐ PVC ☐ Other _____

**4.**
☐ **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

**5.**
**Fencing:** Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*
☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*
☑ Four foot height, four strands of barbed wire evenly spaced between one and four feet
☐ Alternate. Please specify_____

6.

**Netting:** Subsection E of 19.15.17.11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☐ Other_____

☐ Monthly inspections (If netting or screening is not physically feasible)

7.

**Signs:** Subsection C of 19.15.17.11 NMAC

☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☑ Signed in compliance with 19.15.16.8 NMAC

8.

**Variances and Exceptions:**

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

***Please check a box if one or more of the following is requested, if not leave blank:***

☑ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.

**Siting Criteria (regarding permitting):** 19.15.17.10 NMAC

***Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below.*** **Siting criteria does not apply to drying pads or above-grade tanks.**

| | |
|---|---|
| **General siting** | |
| **Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.**<br>- ☐ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells | ☐ Yes ☐ No<br>☑ NA |
| **Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit .**<br>NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | ☐ Yes ☑ No<br>☐ NA |
| Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **(Does not apply to below grade tanks)**<br>- Written confirmation or verification from the municipality; Written approval obtained from the municipality | ☐ Yes ☑ No |
| Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)**<br>- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division | ☐ Yes ☑ No |
| Within an unstable area. **(Does not apply to below grade tanks)**<br>- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map | ☐ Yes ☑ No |
| Within a 100-year floodplain. **(Does not apply to below grade tanks)**<br>- FEMA map | ☐ Yes ☑ No |
| **Below Grade Tanks** | |
| Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark).<br>- Topographic map; Visual inspection (certification) of the proposed site | ☐ Yes ☐ No |
| Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;.<br>- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site | ☐ Yes ☐ No |
| **Temporary Pit using Low Chloride Drilling Fluid** (maximum chloride content 15,000 mg/liter)<br>Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.)<br>- Topographic map; Visual inspection (certification) of the proposed site | ☐ Yes ☐ No |
| Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.<br>- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image | ☐ Yes ☐ No |
| Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application.<br>NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site | ☐ Yes ☐ No |

| | |
|---|---|
| Within 100 feet of a wetland.<br>- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site | ☐ Yes ☐ No |
| **Temporary Pit Non-low chloride drilling fluid** | |
| Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).<br>- Topographic map; Visual inspection (certification) of the proposed site | ☐ Yes ☑ No |
| Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.<br>- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image | ☐ Yes ☑ No |
| 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, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application;<br>- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site | ☐ Yes ☑ No |
| Within 300 feet of a wetland.<br>- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site | ☐ Yes ☑ No |
| **Permanent Pit or Multi-Well Fluid Management Pit** | |
| Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).<br>- Topographic map; Visual inspection (certification) of the proposed site | ☐ Yes ☐ No |
| Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.<br>- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image | ☐ Yes ☐ No |
| Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.<br>- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site | ☐ Yes ☐ No |
| Within 500 feet of a wetland.<br>- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site | ☐ Yes ☐ No |

**10.**

**Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC

***Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.***

☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

**11.**

**Multi-Well Fluid Management Pit Checklist:** Subsection B of 19.15.17.9 NMAC

***Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.***

☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ A List of wells with approved application for permit to drill associated with the pit.
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12.
**Permanent Pits Permit Application Checklist:** Subsection B of 19.15.17.9 NMAC
***Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including $H_2S$, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13.
**Proposed Closure:** 19.15.17.13 NMAC
***Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.***

Type: ☑ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☐ Below-grade Tank ☐ Multi-well Fluid Management Pit ☐ Alternative

Proposed Closure Method:
- ☐ Waste Excavation and Removal
- ☐ Waste Removal (Closed-loop systems only)
- ☑ On-site Closure Method (Only for temporary pits and closed-loop systems)
  - ☑ In-place Burial ☐ On-site Trench Burial
- ☐ Alternative Closure Method

14.
**Waste Excavation and Removal Closure Plan Checklist:** (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15.
**Siting Criteria (regarding on-site closure methods only):** 19.15.17.10 NMAC
***Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.***

| | |
|---|---|
| Ground water is less than 25 feet below the bottom of the buried waste.<br>- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | ☐ Yes ☑ No<br>☐ NA |
| Ground water is between 25-50 feet below the bottom of the buried waste<br>- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | ☐ Yes ☑ No<br>☐ NA |
| Ground water is more than 100 feet below the bottom of the buried waste.<br>- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | ☑ Yes ☐ No<br>☐ NA |
| Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).<br>- Topographic map; Visual inspection (certification) of the proposed site | ☐ Yes ☑ No |
| Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.<br>- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image | ☐ Yes ☑ No |
| Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application.<br>- NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site | ☐ Yes ☑ No |
| Written confirmation or verification from the municipality; Written approval obtained from the municipality | ☐ Yes ☑ No |
| Within 300 feet of a wetland.<br>US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site | ☐ Yes ☑ No |
| Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance | |

| | |
|---|---|
| adopted pursuant to NMSA 1978, Section 3-27-3, as amended.<br>- Written confirmation or verification from the municipality; Written approval obtained from the municipality | ☐ Yes ☑ No |
| Within the area overlying a subsurface mine.<br>- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division | ☐ Yes ☑ No |
| Within an unstable area.<br>- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map | ☐ Yes ☑ No |
| Within a 100-year floodplain.<br>- FEMA map | ☐ Yes ☑ No |

16.
**On-Site Closure Plan Checklist:** (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
- ☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
- ☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- ☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.
**Operator Application Certification:**

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): _____ Title: _____

Signature:_____ Date: _____

e-mail address:_____ Telephone: _____

18.
**OCD Approval:** ☐ Permit Application (including closure plan) ☒ Closure Plan (only) ☐ OCD Conditions (see attachment)

**OCD Representative Signature:** Victoria Venegas **Approval Date:** 06/06/2024

**Title:** Environmental Specialist **OCD Permit Number:** FACILITY ID [fVV2208755693]

19.
**Closure Report (required within 60 days of closure completion):** 19.15.17.13 NMAC

***Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.***

☑ **Closure Completion Date:** April 4, 2024

20.
**Closure Method:**

☐ Waste Excavation and Removal ☑ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
☐ If different from approved plan, please explain.

21.
**Closure Report Attachment Checklist:** ***Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.***

- ☑ Proof of Closure Notice (surface owner and division)
- ☐ Proof of Deed Notice (required for on-site closure for private land only)
- ☑ Plot Plan (for on-site closures and temporary pits)
- ☐ Confirmation Sampling Analytical Results (if applicable)
- ☑ Waste Material Sampling Analytical Results (required for on-site closure)
- ☐ Disposal Facility Name and Permit Number
- ☑ Soil Backfilling and Cover Installation
- ☑ Re-vegetation Application Rates and Seeding Technique
- ☑ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude 32.238692 Longitude -103.765194 NAD: ☐ 1927 ☑ 1983

22.

**Operator Closure Certification:**

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Kim Beebe Title: Waste Advisor

Signature: Kim Beebe Date: 6/4/2024

e-mail address: kimbeebe@chevron.com Telephone: 310-696-9561

## Venegas, Victoria, EMNRD

**From:** Venegas, Victoria, EMNRD
**Sent:** Thursday, June 6, 2024 1:16 PM
**To:** Beebe, Kim; Vallejo, Tony
**Subject:** JAVELINA UNIT P413 (413H, 414H, 415H, 416H) FACILITY ID [fVV2208755693]
**Attachments:** C-144 JAVELINA UNIT P413 (413H, 414H, 415H, 416H) FACILITY ID [fVV2208755693] 06.06.2024.pdf

**JAVELINA UNIT P413 (413H, 414H, 415H, 416H) FACILITY ID [fVV2208755693]**

Good afternoon Ms. Beebe.

NMOCD has reviewed the Closure Report submitted by [4323] CHEVRON USA INC on 06/05/2024 Application ID 350630 for JAVELINA UNIT P413 (413H, 414H, 415H, 416H) FACILITY ID [fVV2208755693], in Unit Letter B Section 10, Township 24S Range 31E, Eddy County, New Mexico. The closure report showed that all protocols in the closure plan were followed. The closure report has been approved and the facility number has been cancelled.

[4323] CHEVRON USA INC shall comply with the reclamation and re-vegetation requirements per NMAC 19.15.17:

- **CLOSURE AND SITE RECLAMATION REQUIREMENTS.**
- 19.15.17.13.H.(5).(a)-(d). Reclamation and re-vegetation: The re-vegetation and reclamation obligations imposed by other applicable federal or tribal agencies on lands managed by those agencies shall supersede these provisions and govern the obligations of any operator subject to those provisions, provided that the other requirements provide equal or better protection of fresh water, human health and the environment.
- (e) The operator shall notify the division when reclamation and re-vegetation are complete.

Please let me know if you have any additional questions.
Regards,

**Victoria Venegas** ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. Artesia, NM 88210
(575) 909-0269 | Victoria.Venegas@emnrd.nm.gov
**https://www.emnrd.nm.gov/ocd/**

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

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

CONDITIONS

Action 350630

## CONDITIONS

| | |
|---|---|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323 |
| | Action Number:<br>350630 |
| | Action Type:<br>[C-144] Temporary Pit Plan (C-144T) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| vvenegas | NMOCD has reviewed the Closure Report submitted by [4323] CHEVRON for JAVELINA UNIT P413 FACILITY ID [fVV2208755693]. The closure report showed that all protocols in the closure plan were followed. The closure report has been approved and the facility number has been cancelled. The re-vegetation and reclamation obligations imposed by other applicable federal or tribal agencies on lands managed by those agencies shall supersede these provisions and govern the obligations of any operator subject to those provisions, provided that the other requirements provide equal or better protection of fresh water, human health and the environment. The operator shall notify the division when reclamation and re-vegetation are complete | 6/6/2024 |