



October 17, 2022

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

**Re: Release Characterization, Site Assessment and Closure Report
ConocoPhillips
Wilder-Buck Valve Cellar Release
Unit Letter P, Section 17, Township 26 South, Range 32 East
Lea County, New Mexico
Incident ID NRM2026258957**

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (COP) to assess a release that occurred from the Valve Cellar associated with the Wilder pipeline to the Buck Federal Central Tank Battery. The release footprint is located in Public Land Survey System (PLSS) Unit Letter P, Section 17, Township 26 South, Range 32 East, Lea County, New Mexico (Site). The release site coordinates are 32.037587°, -103.690311°. The Site location is shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico Form C-141 Initial Report (Attachment A), the release was discovered on September 10, 2020. The release occurred as the result of a valve failure in the valve cellar. Approximately 197 barrels (bbls) of produced water were reported released, of which 120 bbls were recovered. The spill calculator, included with the C-141, indicates the release affected an area of approximately 5,521 square feet. Immediate response actions were taken at the release site which consisted of vacuum trucks recovering standing water from the impacted area and water directly from the release point in the cellar at the valve. Charles R. Beauvais II submitted the initial Form C-141 on September 11, 2020. The New Mexico Oil Conservation District (NMOCD) received this initial Form C-141 on September 11, 2020, and subsequently assigned the release the Incident ID NRM2026258957.

SITE CHARACTERIZATION

A site characterization was performed and no watercourses, sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.0029 New Mexico Administrative Code (NMAC). The Site is within a New Mexico oil and gas production area and is in an area of medium karst potential.

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are no water wells within 0.5 miles (800 meters) of the Site. There are five wells within 0.9 miles (1,500 meters) with water level data with an average depth to water of 240 feet below ground surface (bgs). The nearest water well is 0.9 miles (1,470 meters) from the Site with a depth to water of 125 feet bgs.

As the available water level information is from wells farther than ½ mile away from the site, COP elected to drill a boring to verify depth to groundwater. The boring was part of an assessment of another release

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that occurred at the Buck Federal Central Tank Battery (CTB). On September 27, 2022, a licensed well drilling subcontractor was at the Buck Federal CTB to drill a groundwater determination borehole (DTW) to 55 feet bgs approximately 0.33 miles (approximately 530 m) west of the Site. The borehole was dry upon completion, and soils were dry from surface to total depth. The depth to groundwater in the area was thus verified as greater than 50 feet bgs. The borehole was plugged with 3/8" bentonite chips. The borehole coordinates are approximately 32.037733°, -103.695950°. The site characterization data and boring log are included in Appendix B. The location of the groundwater depth determination boring in relation to the Site is shown on Figure 3.

REGULATORY FRAMEWORK

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

Based on the site characterization and in accordance with Table I of 19.15.29.12 NMAC, the remediation RRALs for the Site are as follows:

| Constituent | Site RRALs |
|-------------------|--------------|
| Chloride | 10,000 mg/kg |
| TPH (GRO+DRO+MRO) | 2,500 mg/kg |
| TPH (GRO+DRO) | 1,000 mg/kg |
| BTEX | 50 mg/kg |

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

| Constituent | Reclamation Requirements |
|-------------|--------------------------|
| Chloride | 600 mg/kg |
| TPH | 100 mg/kg |
| BTEX | 50 mg/kg |

INITIAL SITE ASSESSMENT AND SAMPLING RESULTS

Tetra Tech personnel were onsite to sample and horizontally delineate the release area on July 27, 2022. Soil samples were collected from nine (9) sample locations (AH-1 through AH-9) in and around the release footprint to evaluate the horizontal extent of impacted soil. The approximate release extent and initial soil assessment sample locations are shown on Figure 4.

A total of nine (9) samples were collected at the 0-1' sample depth interval, transferred under chain of custody, and analyzed within appropriate holding times by Cardinal Laboratories (Cardinal). The soil samples were analyzed for TPH via Method 8015 Modified, chloride via Method SM4500Cl-B, and BTEX via Method 8021B. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix C. Results from the July 2022 soil sampling event are summarized in Table 1. All analytical results associated with the July 2022 sampling event were below Site RRALs and reclamation requirements for soils above 4 feet bgs.

ADDITIONAL SITE ASSESSMENT AND SAMPLING RESULTS

The objective of the initial site assessment was to define the horizontal extent of the release, so vertical delineation of the release footprint was not attempted during the July 2022 soil assessment activities. Thus, Tetra Tech personnel returned to the Site to complete vertical delineation of the release area on August 3 and August 23, 2022. A total of eight (8) soil borings (BH-1 through BH-4 and AH-10 through AH-13) were

installed within the release extent to a maximum depth of 30 feet bgs. BH-1 through BH-4 were installed with a drilling rig. The August 2022 soil assessment sample locations are shown on Figure 4.

A total of twenty-nine (29) soil samples were collected from the sampling locations and transferred under chain of custody and analyzed within appropriate holding times by Cardinal. The soil samples were analyzed for TPH via Method 8015 Modified, chloride via Method SM4500Cl-B, and BTEX via Method 8021B. A copy of the laboratory analytical reports and chain-of-custody documentation are included in Appendix C. Results from the August 2022 soil sampling event are summarized in Table 2. All analytical results associated with the August 2022 sampling event were below Site RRALs and reclamation requirements for soils above 4 feet bgs.

Based on the results of the assessment activities, the formerly impacted surface area associated with the Wilder-Buck Valve Cellar release meets the standards of Table I of 19.15.29.12 NMAC. There are no soils remaining within the footprint in the upper four feet of soils which exceed any remediation or reclamation standards. Due to the age of the release, it can be inferred that impact at the Site was addressed by the immediate response actions following the discovery of the release, natural attenuation of chemical constituents in soils, or a combination of the two. A total of seventeen (17) locations were sampled in and around the approximately 3,280-square foot release extent. As all analytical results were below applicable Table I limits, additional remediation of the NRM2026258957 release is not required.

SITE RECLAMATION AND RESTORATION

Based on Site photos, vegetative cover has been established within the release footprint. Previously disturbed areas in the pasture were observed to contain vegetative cover that reflects a life-form ratio of plus or minus fifty percent of pre-disturbance levels. Since the Site is shown to exhibit recolonization and a self-sustaining plant community, the former release footprint area appears to be in the condition that existed prior to the release. Additionally, the majority of the Site consists of pipeline rights-of-way that are used for vehicular traffic and are reasonably needed for production operations. Thus, the re-vegetation obligation has been met and any additional re-vegetation of the former release area footprint is not necessary. Photographic documentation of current site conditions is included as Appendix D.

CONCLUSION

Based on the results of the site assessment, ConocoPhillips respectfully requests closure of the subject incident. As indicated by the analytical results, any impact from the release was addressed by immediate response actions performed and/or natural attenuation of chemical constituents. Visual observation shows that the area of the Site not being used for vehicular traffic remain vegetated; thus, seeding is not necessary for Site restoration. The sample plan over the remediated area provides representative cover of approximately 200 square feet per sample.

The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the soil assessment activities or liner inspection for the Site, please call me at (512) 217-7254 or Christian at (512) 288-6281.

Sincerely,
Tetra Tech, Inc.



Ryan C Dickerson
Project Lead



Christian M. Llull, P.G.
Project Manager

cc:
Ms. Sam Widmer, RMR – ConocoPhillips

List of Attachments

Figures:

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Groundwater Depth Determination Boring Location
- Figure 4 – Approximate Release Extent and Site Assessment

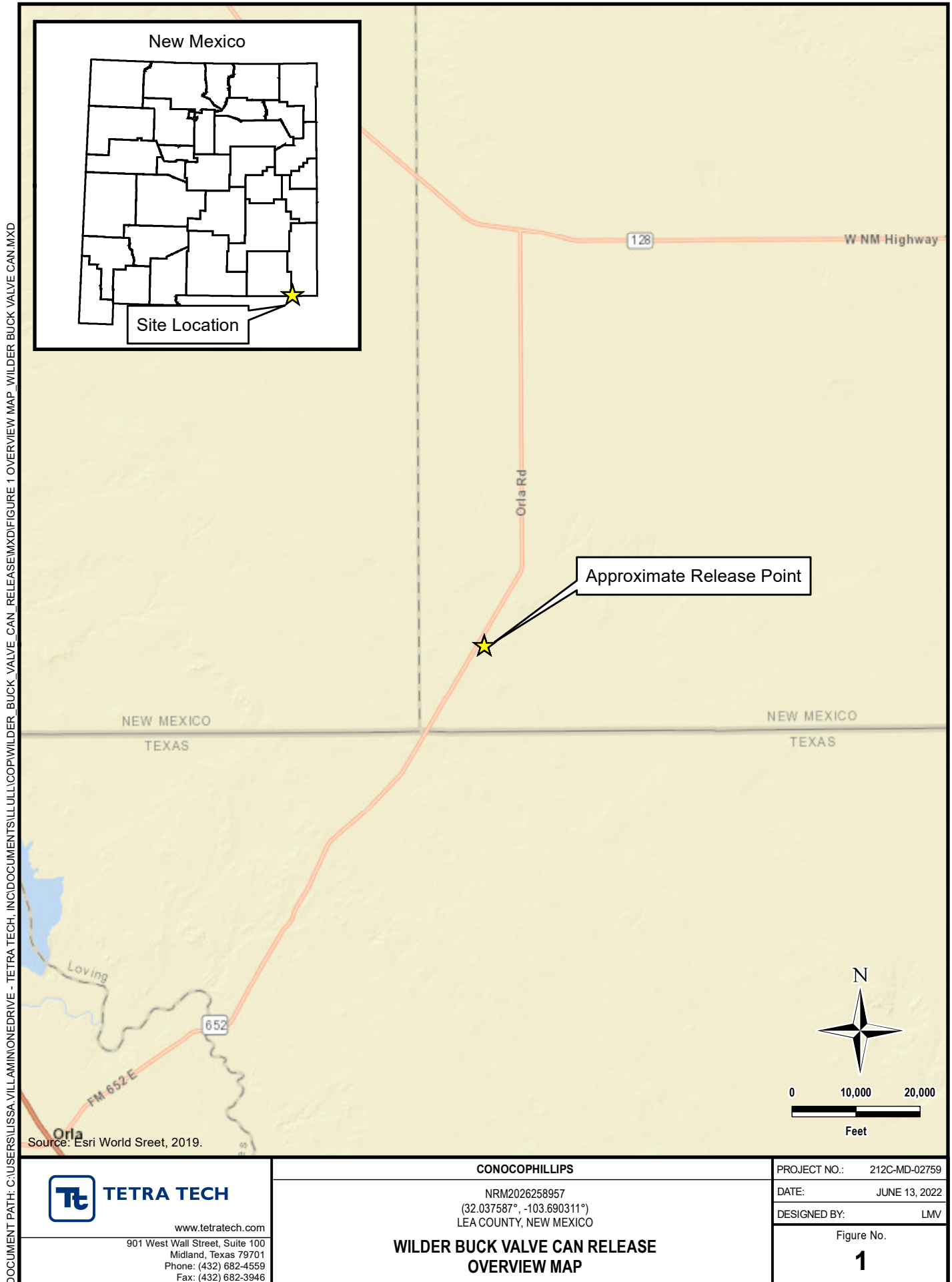
Tables:

- Table 1 – Summary of Analytical Results – Soil Assessment
- Table 2 – Summary of Analytical Results – Additional Soil Assessment

Appendices:

- Appendix A – Final C-141 Form
- Appendix B – Site Characterization Data
- Appendix C – Laboratory Analytical Data
- Appendix D – Photographic Documentation

FIGURES



DOCUMENT PATH: C:\USERS\LISSA.VILLAMONEDRIVE - TETRA TECH\INC\DOCUMENTS\TULLULCOP\WILDER BUCK VALVE CAN RELEASE\MXD\FIGURE 2 TOPO MAP_WILDER BUCK VALVE CAN.MXD

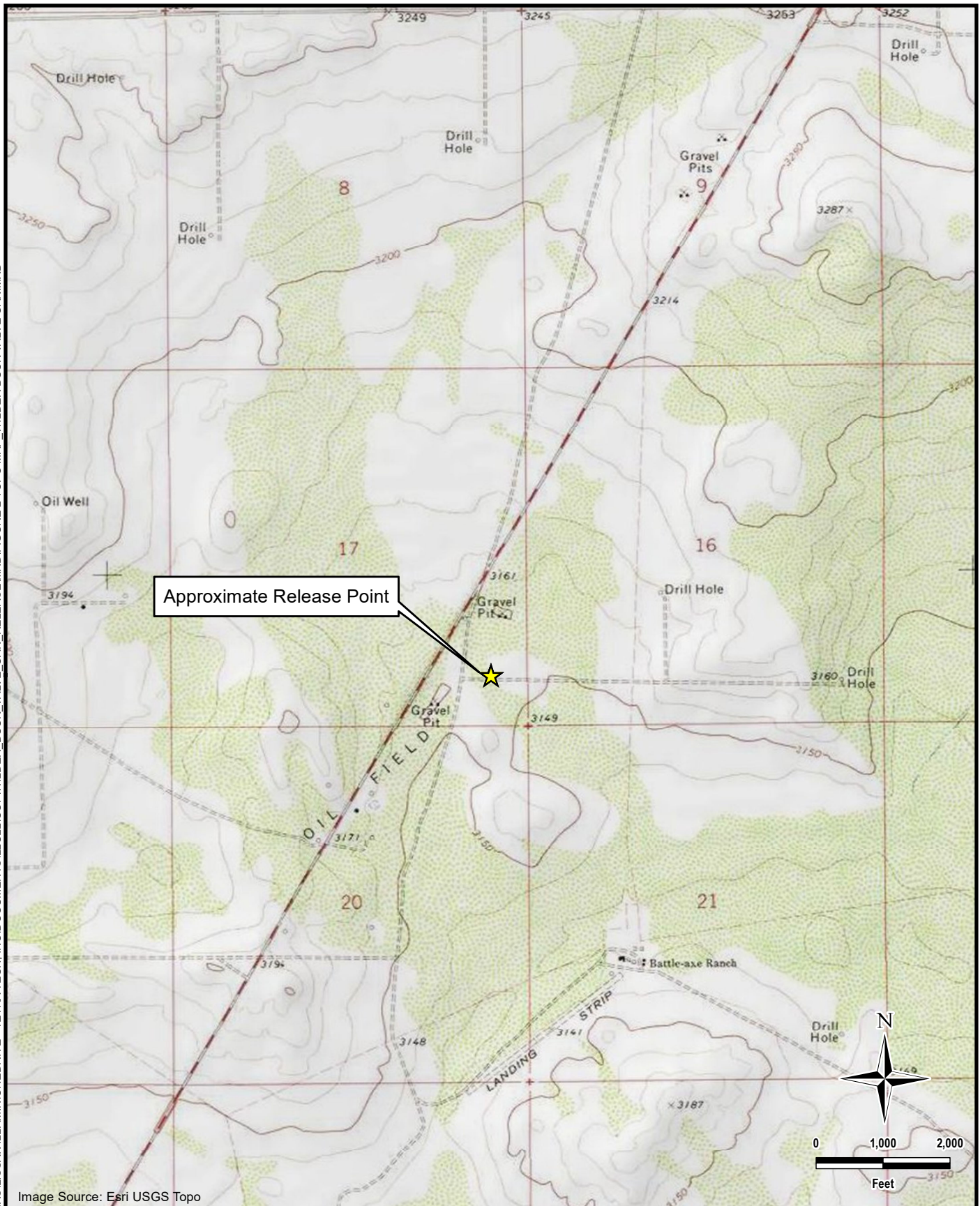


Image Source: Esri USGS Topo

**TETRA TECH**

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Phone: (432) 682-4559
Fax: (432) 682-3946

CONOCOPHILLIPS

NRM2026258957
(32.037587°, -103.690311°)
LEA COUNTY, NEW MEXICO

WILDER BUCK VALVE CAN RELEASE TOPOGRAPHIC MAP

PROJECT NO.: 212C-MD-02759

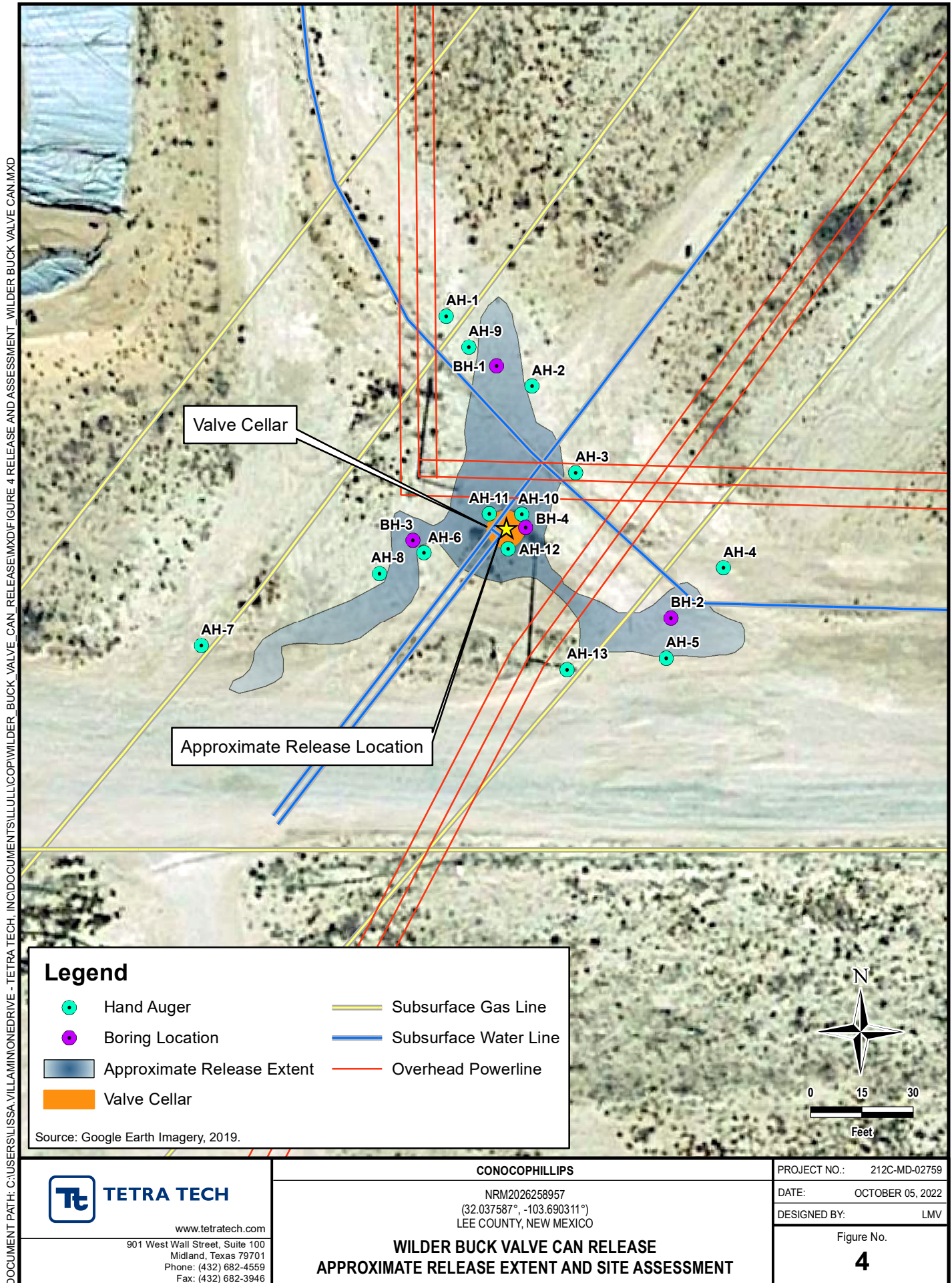
DATE: JUNE 13, 2022

DESIGNED BY: LMV

Figure No.

2





TABLE

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT - NRM2026258957
CONOCOPHILLIPS
WILDER BUCK VALVE CAN RELEASE
LEA COUNTY, NM

| Sample ID | Sample Date | Sample Depth | Field Screening Results | Chloride ¹ | | BTEX ² | | | | | | | | | | TPH ³ | | | | | | | |
|-----------|-------------|--------------|-------------------------|-----------------------|---|-------------------|---|---------|---|--------------|---|---------------|---|------------|---|----------------------------------|---|-------------------------------------|---|-------------------------------------|---|-------------------|-------|
| | | | Chloride | | | Benzene | | Toluene | | Ethylbenzene | | Total Xylenes | | Total BTEX | | GRO | | DRO | | EXT DRO | | Total TPH | |
| | | | ppm | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | C ₆ - C ₁₀ | Q | > C ₁₀ - C ₂₈ | Q | > C ₂₈ - C ₃₆ | Q | (GRO+DRO+EXT DRO) | mg/kg |
| AH-1 | 7/27/2022 | 0-1 | 95.0 | 32.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - | |
| AH-2 | 7/27/2022 | 0-1 | 206 | 64.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - | |
| AH-3 | 7/27/2022 | 0-1 | 110 | 16.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - | |
| AH-4 | 7/27/2022 | 0-1 | 351 | 32.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - | |
| AH-5 | 7/27/2022 | 0-1 | 532 | 224 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - | |
| AH-6 | 7/27/2022 | 0-1 | 130 | 32.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - | |
| AH-7 | 7/27/2022 | 0-1 | 306 | 192 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - | |
| AH-8 | 7/27/2022 | 0-1 | 186 | 48.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - | |
| AH-9 | 7/27/2022 | 0-1 | 66.0 | 16.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - | |

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

Bold and italicized values indicate exceedance of proposed Remediation RRALs and Reclamation Requirements for soils above 4 feet below ground surface.

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
ADDITIONAL SOIL ASSESSMENT - NRM2026258957
CONOCOPHILLIPS
WILDER BUCK VALVE CAN RELEASE
LEA COUNTY, NM

| Sample ID | Sample Date | Sample Depth | Chloride ¹ | | BTX ² | | | | | | | | | | TPH ³ | | | | | | | |
|-----------|-------------|--------------|-----------------------|-------|------------------|---|---------|---|--------------|---|---------------|---|-----------|---|----------------------------------|---|-------------------------------------|---|-------------------------------------|---|-------------------|--|
| | | | | | Benzene | | Toluene | | Ethylbenzene | | Total Xylenes | | Total BTX | | GRO | | DRO | | EXT DRO | | Total TPH | |
| | | | | | | | | | | | | | | | C ₆ - C ₁₀ | | > C ₁₀ - C ₂₈ | | > C ₂₈ - C ₃₆ | | (GRO+DRO+EXT DRO) | |
| | | ft. bgs | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | | | |
| BH-1 | 8/3/2022 | 0-1 | 16.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| | | 2-3 | 32.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| | | 4-5 | 160 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| | | 6-7 | 1,070 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| | | 9-10 | 80.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| | | 14-15 | 32.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| | | 19-20 | 32.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| BH-2 | 8/3/2022 | 0-1 | 16.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| | | 2-3 | 32.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| | | 4-5 | < 16.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| | | 6-7 | < 16.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| | | 9-10 | < 16.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| | | 14-15 | 32.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| | | 19-20 | 32.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| | | 24-25 | 16.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| BH-3 | 8/3/2022 | 0-1 | 32.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| | | 2-3 | 32.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| | | 4-5 | < 16.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| | | 6-7 | 32.0 | QM-07 | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| | | 9-10 | 256 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| | | 14-15 | 64.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| | | 19-20 | 64.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| BH-4 | 8/3/2022 | 0-1 | 32.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| | | 1-2 | 48.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| AH-10 | 8/23/2022 | 0-1 | 80.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| AH-11 | 8/23/2022 | 0-1 | 48.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| AH-12 | 8/23/2022 | 0-1 | 16.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |
| AH-13 | 8/23/2022 | 0-1 | 160.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | - | | |

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

Bold and italicized values indicate exceedance of proposed Remediation RRLs and Reclamation Requirements for soils above 4 feet below ground surface.

QUALIFIERS:

QM-07 The spike recovery was outside acceptance limits for MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

APPENDIX A C-141 Forms

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

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

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

| | |
|----------------|---------------|
| Incident ID | NRM2026258957 |
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| | |
|--|--------------------------------|
| Responsible Party – Conoco Phillips Company | OGRID 217817 |
| Contact Name – Charles R. Beauvais II | Contact Telephone 575-988-2043 |
| Contact email – charles.r.beauvais@conocophillips.com | Incident # (assigned by OCD) |
| Contact mailing address – 15 W London Rd, Loving, NM 88256 | |

Location of Release Source

Latitude 32.037587 Longitude 103.690311
 (NAD 83 in decimal degrees to 5 decimal places)

| | |
|---|--|
| Site Name – Wilder to Buck Central Tank Battery | Site Type |
| Date Release Discovered – 9/10/2020 | API# (if applicable) Nearest Well 30-025-40431 Buck 20 Federal #1H |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| P | 17 | 26S | 32E | Lea |

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

Nature and Volume of Release

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

| | | |
|--|--|---|
| <input type="checkbox"/> Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| <input checked="" type="checkbox"/> Produced Water | Total Volume Released (bbls) 197 | Volume Recovered (bbls) 120 |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release
 Valve failure located in valve cellar

| | |
|----------------|---------------|
| Incident ID | NRM2026258955 |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|---|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? 19.15.29.7 (A)(1) An unauthorized release of a volume, excluding gases, of 25 barrels or more. |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notice was made by Charles Beauvais, Environmental Coordinator, at 3:30PM, on 9/11/2020 via email to Bradford.billings@state.nm . Also, an online submittal with payment for submittals was made to NMOC. | |

Initial Response

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

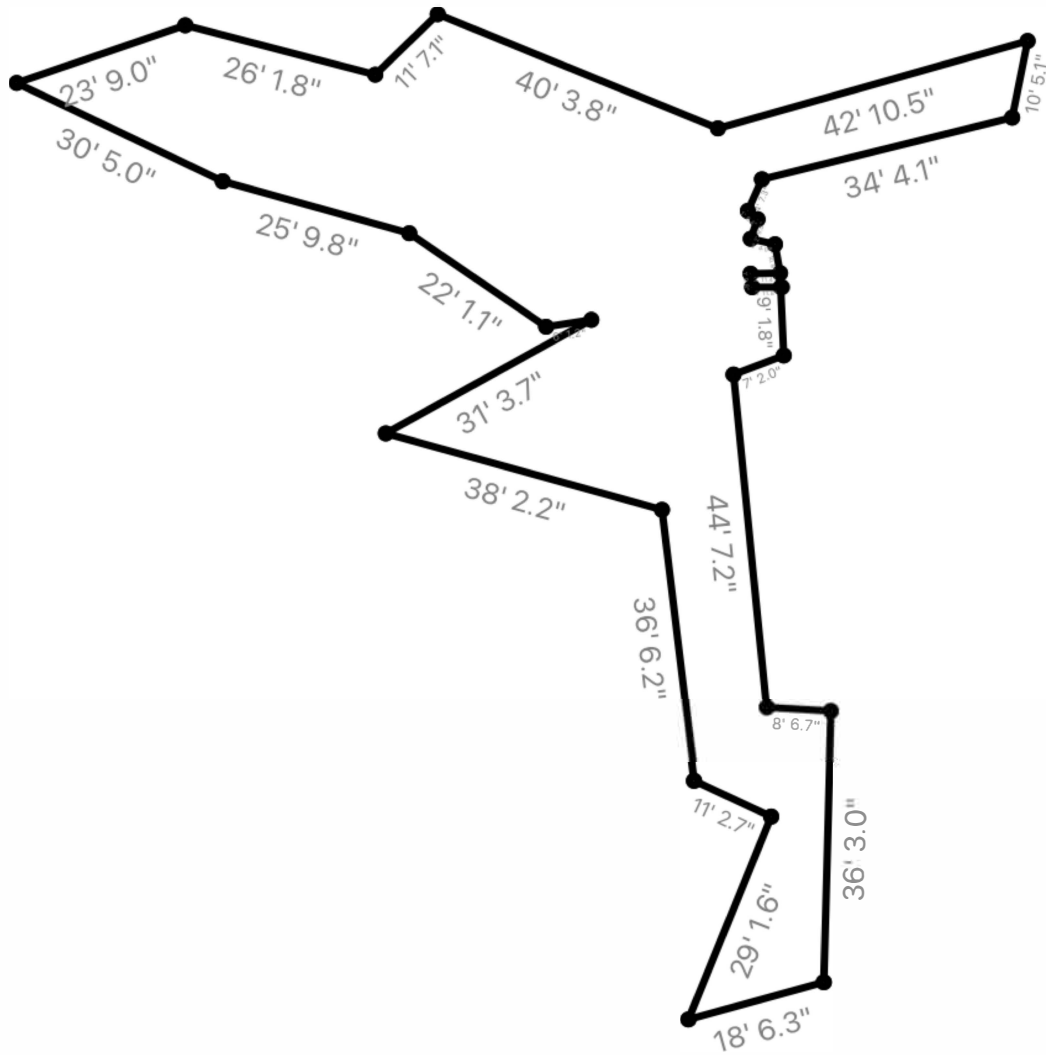
| | |
|--|----------------------------------|
| <input checked="" type="checkbox"/> The source of the release has been stopped. | |
| <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. | |
| <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. | |
| <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. | |
| If all the actions described above have <u>not</u> been undertaken, explain why: | |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | |
| Printed Name: <u>Charles Beauvais</u> | Title: Environmental Coordinator |
| Signature:  | Date: <u>09/11/2020</u> |
| email: <u>charles.r.beauvais@conocophillips.com</u> | Telephone: 575-988-2043 |
| OCD Only | |
| Received by: <u>Ramona Marcus</u> | Date: <u>9/18/2020</u> |

NRM2026258957

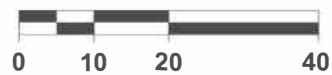
| L48 Spill Volume Estimate Form | | | | | | | | | |
|--|--------------|--|-------------|-------------------------------|--------------------------------------|--|---|--|--|
| Facility Name & Number: | | Wilder to Buck Federal Battery | | | | | | | |
| Asset Area: | | DB China Draw | | | | | | | |
| Release Discovery Date & Time: | | 2020 0911 9:00:00 PM CST | | | | | | | |
| Release Type: | | Produced Water | | | | | | | |
| Provide any known details about the event: | | Cool Day approximately 65 Degrees Fahrenheit, An additional 120 barrels were recovered from the site via vac truck | | | | | | | |
| Spill Calculation - Subsurface Spill - Rectangle | | | | | | | | | |
| Was the release on pad or off-pad? | | See reference table below | | | | | | | |
| Has it rained at least a half inch in the last 24 hours? | | See reference table below | | | | | | | |
| Convert Irregular shape into a series of rectangles | Length (ft.) | Width (ft.) | Depth (in.) | Soil Spilled-Fluid Saturation | Estimated volume of each area (bbl.) | Total Estimated Volume of Spill (bbl.) | Percentage of Oil if Spilled Fluid is a Mixture | Total Estimated Volume of Spilled Oil (bbl.) | Total Estimated Volume of Spilled Liquid other than Oil (bbl.) |
| Rectangle A | 65.0 | 65.0 | 10.33 | 9.60% | 647.390 | 62.149 | | | |
| Rectangle B | 36.0 | 36.0 | 8.00 | 9.60% | 153.792 | 14.764 | | | |
| Rectangle C | | | | | 0.000 | 0.000 | | | |
| Rectangle D | | | | | 0.000 | 0.000 | | | |
| Rectangle E | | | | | 0.000 | 0.000 | | | |
| Rectangle F | | | | | 0.000 | 0.000 | | | |
| Rectangle G | | | | | 0.000 | 0.000 | | | |
| Rectangle H | | | | | 0.000 | 0.000 | | | |
| Rectangle I | | | | | 0.000 | 0.000 | | | |
| Rectangle J | | | | | 0.000 | 0.000 | | | |
| Total Volume Release: | | | | | | 76.913 | | | |

| Reference Table | | | |
|-----------------|------------|---------|---------|
| | | Rain | No Rain |
| L48 | | on-pad | 8.00% |
| | | off-pad | 15.12% |
| Permian Assets | Buckeye | on-pad | 8.00% |
| | | off-pad | 15.32% |
| | China Draw | on-pad | 8.00% |
| | | off-pad | 13.63% |
| | Goldsmith | on-pad | 8.00% |
| | | off-pad | 13.26% |
| | Hobbs | on-pad | 8.00% |
| | | off-pad | 15.16% |
| | Waddell | on-pad | 8.00% |
| | | off-pad | 14.95% |
| | Zia Hills | on-pad | 8.00% |
| | | off-pad | 12.60% |

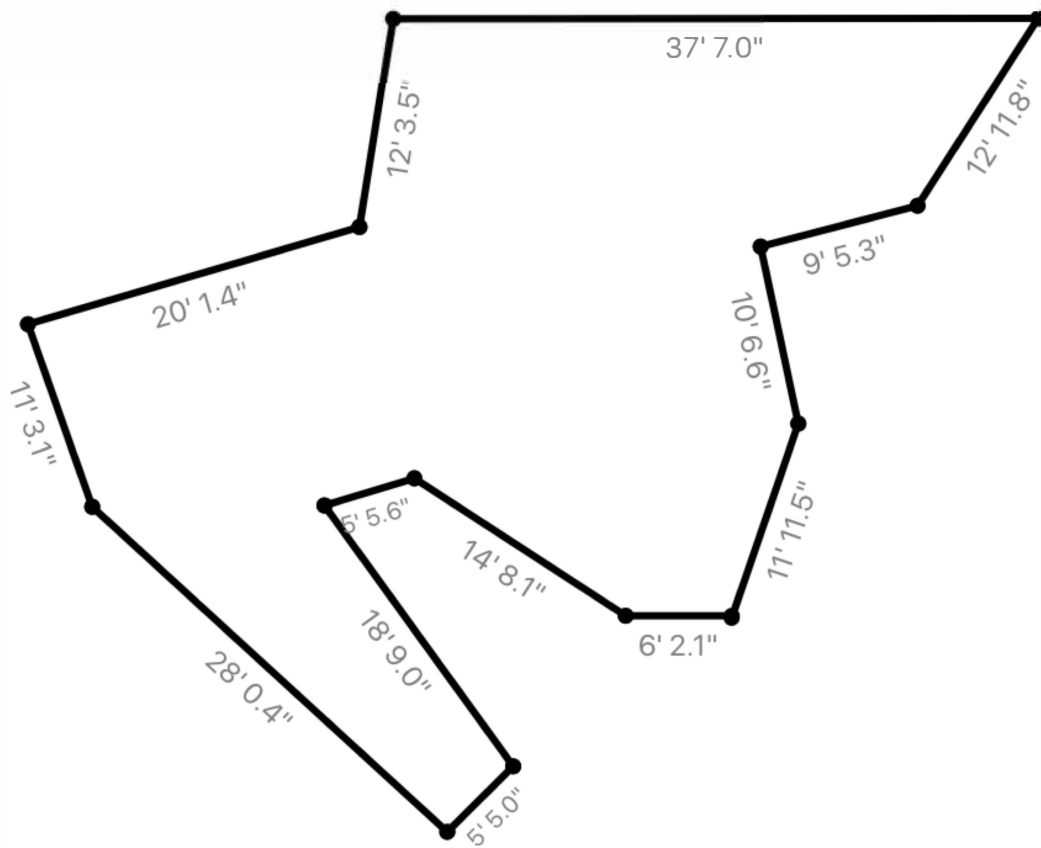
NRM2026258957



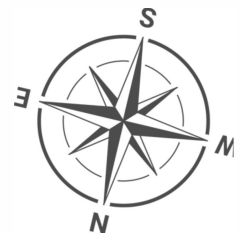
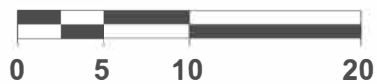
Plan 9 - Horizontal
4234.59 ft² / 570' 6.7"



NRM2026258957



Plan 11 - Horizontal
1307.99 ft² / 204' 8.4"



| | |
|----------------|---------------|
| Incident ID | NRM2026258957 |
| District RP | |
| Facility ID | |
| Application ID | |

Site Assessment/Characterization

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

| | |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release? | >55 (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

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

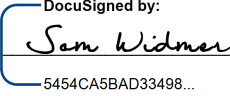
Characterization Report Checklist: *Each of the following items must be included in the report.*

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

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

| | |
|----------------|---------------|
| Incident ID | NRM2026258957 |
| District RP | |
| Facility ID | |
| Application ID | |

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

Printed Name: Sam widmer Title: Principal Program Manager
Signature:  Date: oct-17-2022
email: Sam.widmer@conocophillips.com Telephone: 281-206-5298

OCD Only

Received by: Jocelyn Harimon Date: 10/18/2022

| | |
|----------------|---------------|
| Incident ID | NRM2026258957 |
| District RP | |
| Facility ID | |
| Application ID | |

Closure

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

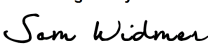
Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

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

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

Printed Name: Sam widmer

Title: Principal Program Manager

Signature: 

Date: Oct-17-2022

email: Sam.Widmer@conocophillips.com


Telephone: 281-206-5298

OCD Only

Received by: Jocelyn Harimon

Date: 10/18/2022

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

Closure Approved by: 

Date: 11/09/2022

Printed Name: Jennifer Nobui

Title: Environmental Specialist A

APPENDIX B

Site Characterization Data



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number | POD Sub-Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Distance | Depth Well | Depth Water | Water Column |
|------------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|------------|-------------|--------------|
| C 02271 | R | CUB | LE | 2 | 3 | 21 | 26S | 32E | | 624449 | 3544111* | 1470 | 150 | 125 | 25 |
| C 03537 POD1 | | CUB | LE | 3 | 2 | 3 | 21 | 26S | 32E | 624250 | 3543985 | 1488 | 850 | | |
| C 02271 POD2 | | CUB | LE | 3 | 2 | 3 | 21 | 26S | 32E | 624348 | 3544010* | 1507 | 270 | 250 | 20 |
| C 02323 | | C | LE | 3 | 2 | 3 | 21 | 26S | 32E | 624348 | 3544010* | 1507 | 405 | 405 | 0 |
| C 03595 POD1 | | CUB | LE | 4 | 2 | 3 | 21 | 26S | 32E | 624423 | 3544045 | 1511 | 280 | 180 | 100 |

Average Depth to Water: **240 feet**

Minimum Depth: **125 feet**

Maximum Depth: **405 feet**

Record Count: 5

UTM NAD83 Radius Search (in meters):

Easting (X): 623661.12

Northing (Y): 3545352.13

Radius: 1600

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

6/15/22 2:40 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

KARST POTENTIAL MAP



8/25/2022, 11:41:37 AM



Override 1

Karst Occurrence Potential

Medium

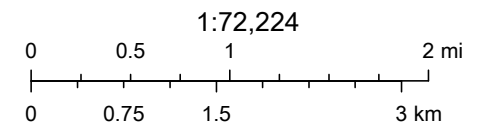
Low



PLSS First Division



PLSS Townships



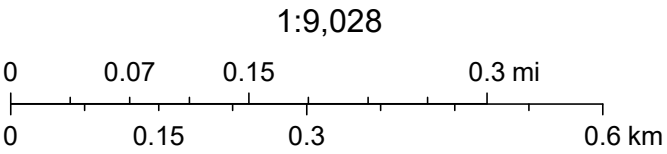
BLM, OCD, New Mexico Tech, Esri, HERE, Garmin, Earthstar Geographics, BLM

New Mexico Oil Conservation Division

OCD Waterbodies



6/15/2022, 3:33:33 PM



Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, NM OSE

| | | | | | | | | |
|--|--|-------------------|----------------------------|----------------------------|-------------------------|--|--------------------------|--|
| 212C-MD-02589 | | TETRA TECH | | LOG OF BORING DTW | | | Page 1 of 1 | |
| Project Name: Buck Federal CTB Release | | | | | | | | |
| Borehole Location: GPS Coordinates: 32.037733°, -103.695950° | | | | Surface Elevation: 3171 ft | | | | |
| Borehole Number: DTW | | | Borehole Diameter (in.): 8 | | Date Started: 9/27/2022 | | Date Finished: 9/27/2022 | |

| DEPTH (ft) | OPERATION TYPE | SAMPLE | CHLORIDE FIELD SCREENING (ppm) | VOC FIELD SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | LIQUID LIMIT | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | WATER LEVEL OBSERVATIONS | | DEPTH (ft) | REMARKS |
|------------|----------------|--------|--------------------------------|---------------------------|---------------------|----------------------|-------------------|--------------|------------------|-------------------|-------------|---|-----------------------------|------------|---------|
| | | | | | | | | | | | | While Drilling | Upon Completion of Drilling | | |
| | | | ExStik | PID | | | | LL | PI | | | DRY ft DRY ft Remarks: | | | |
| | | | | | | | | | | | | MATERIAL DESCRIPTION | | | |
| 5 | | | | | | | | | | | | -SM- SILTY SAND: Light brown, coarse-grained, loose, with occasional caliche, dry. | | 1.5 | |
| | | | | | | | | | | | | -SM- SILTY SAND: Tan, coarse to fine-grained, dense, with abundant caliche, dry. | | 3 | |
| | | | | | | | | | | | | -SP- SAND: Tan, fine-grained, dense, with moderate caliche, dry. | | 4 | |
| 10 | | | | | | | | | | | | -SP- SAND: Tan, fine to very fine-grained, dense, with trace caliche, dry. | | | |
| 15 | | | | | | | | | | | | -SP- SANDSTONE: Reddish brown, cemented, dry. | | 14 | |
| 20 | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | |
| 55 | | | | | | | | | | | | | | 55 | |

Bottom of borehole at 55.0 feet.

| | | |
|---|--|---|
| Sampler Types: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input checked="" type="checkbox"/> Split Spoon <input type="checkbox"/> Shelby <input type="checkbox"/> Bulk Sample <input type="checkbox"/> Grab Sample </div> <div style="width: 50%;"> <input type="checkbox"/> Acetate Liner <input type="checkbox"/> Vane Shear <input type="checkbox"/> Discrete Sample <input type="checkbox"/> Test Pit </div> </div> | Operation Types: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Continuous Flight Auger <input type="checkbox"/> Wash Rotary </div> <div style="width: 50%;"> <input type="checkbox"/> Hand Auger <input type="checkbox"/> Air Rotary <input type="checkbox"/> Direct Push <input type="checkbox"/> Core Barrel </div> </div> | Notes: Surface elevation is an estimated value based on Google Earth data. |
|---|--|---|

| | | |
|----------------------------|--------------------------------|-------------------------------|
| Logger: Colton Bickerstaff | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling |
|----------------------------|--------------------------------|-------------------------------|

APPENDIX C

Laboratory Analytical Data



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

August 01, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER BUCK VALVE CON RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/27/22 13:28.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 07/27/2022 | Sampling Date: | 07/27/2022 |
| Reported: | 08/01/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | Cool & Intact |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: AH - 1 (0-1') (H223313-01)

| BTX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.06 | 103 | 2.00 | 0.939 | |
| Toluene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.15 | 108 | 2.00 | 1.88 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.22 | 111 | 2.00 | 1.70 | |
| Total Xylenes* | <0.150 | 0.150 | 07/29/2022 | ND | 6.80 | 113 | 6.00 | 2.21 | |
| Total BTX | <0.300 | 0.300 | 07/29/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 07/29/2022 | ND | 432 | 108 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/28/2022 | ND | 199 | 99.6 | 200 | 0.0608 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/28/2022 | ND | 212 | 106 | 200 | 0.239 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/28/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.8 % 43-149

Surrogate: 1-Chlorooctadecane 94.6 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 07/27/2022 | Sampling Date: | 07/27/2022 |
| Reported: | 08/01/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | Cool & Intact |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: AH - 2 (0-1') (H223313-02)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.06 | 103 | 2.00 | 0.939 | | |
| Toluene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.15 | 108 | 2.00 | 1.88 | | |
| Ethylbenzene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.22 | 111 | 2.00 | 1.70 | | |
| Total Xylenes* | <0.150 | 0.150 | 07/29/2022 | ND | 6.80 | 113 | 6.00 | 2.21 | | |
| Total BTEx | <0.300 | 0.300 | 07/29/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 64.0 | 16.0 | 07/29/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/28/2022 | ND | 199 | 99.6 | 200 | 0.0608 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/28/2022 | ND | 212 | 106 | 200 | 0.239 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/28/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.8 % 43-149

Surrogate: 1-Chlorooctadecane 88.7 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 07/27/2022 | Sampling Date: | 07/27/2022 |
| Reported: | 08/01/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | Cool & Intact |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: AH - 3 (0-1') (H223313-03)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.06 | 103 | 2.00 | 0.939 | | |
| Toluene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.15 | 108 | 2.00 | 1.88 | | |
| Ethylbenzene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.22 | 111 | 2.00 | 1.70 | | |
| Total Xylenes* | <0.150 | 0.150 | 07/29/2022 | ND | 6.80 | 113 | 6.00 | 2.21 | | |
| Total BTEx | <0.300 | 0.300 | 07/29/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 07/29/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/28/2022 | ND | 199 | 99.6 | 200 | 0.0608 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/28/2022 | ND | 212 | 106 | 200 | 0.239 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/28/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.0 % 43-149

Surrogate: 1-Chlorooctadecane 88.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 07/27/2022 | Sampling Date: | 07/27/2022 |
| Reported: | 08/01/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | Cool & Intact |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: AH - 4 (0-1') (H223313-04)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.06 | 103 | 2.00 | 0.939 | | |
| Toluene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.15 | 108 | 2.00 | 1.88 | | |
| Ethylbenzene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.22 | 111 | 2.00 | 1.70 | | |
| Total Xylenes* | <0.150 | 0.150 | 07/29/2022 | ND | 6.80 | 113 | 6.00 | 2.21 | | |
| Total BTEx | <0.300 | 0.300 | 07/29/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 07/29/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/28/2022 | ND | 199 | 99.6 | 200 | 0.0608 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/28/2022 | ND | 212 | 106 | 200 | 0.239 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/28/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.1 % 43-149

Surrogate: 1-Chlorooctadecane 92.2 % 42.5-161

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 07/27/2022 | Sampling Date: | 07/27/2022 |
| Reported: | 08/01/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | Cool & Intact |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: AH - 5 (0-1') (H223313-05)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.06 | 103 | 2.00 | 0.939 | |
| Toluene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.15 | 108 | 2.00 | 1.88 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.22 | 111 | 2.00 | 1.70 | |
| Total Xylenes* | <0.150 | 0.150 | 07/29/2022 | ND | 6.80 | 113 | 6.00 | 2.21 | |
| Total BTEx | <0.300 | 0.300 | 07/29/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 224 | 16.0 | 07/29/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/28/2022 | ND | 199 | 99.6 | 200 | 0.0608 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/28/2022 | ND | 212 | 106 | 200 | 0.239 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/28/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 67.8 % 43-149

Surrogate: 1-Chlorooctadecane 75.1 % 42.5-161

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 07/27/2022 | Sampling Date: | 07/27/2022 |
| Reported: | 08/01/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | Cool & Intact |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: AH - 6 (0-1') (H223313-06)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.06 | 103 | 2.00 | 0.939 | |
| Toluene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.15 | 108 | 2.00 | 1.88 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.22 | 111 | 2.00 | 1.70 | |
| Total Xylenes* | <0.150 | 0.150 | 07/29/2022 | ND | 6.80 | 113 | 6.00 | 2.21 | |
| Total BTEx | <0.300 | 0.300 | 07/29/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 07/29/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/28/2022 | ND | 199 | 99.6 | 200 | 0.0608 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/28/2022 | ND | 212 | 106 | 200 | 0.239 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/28/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.6 % 43-149

Surrogate: 1-Chlorooctadecane 91.3 % 42.5-161

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 07/27/2022 | Sampling Date: | 07/27/2022 |
| Reported: | 08/01/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | Cool & Intact |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: AH - 7 (0-1') (H223313-07)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.06 | 103 | 2.00 | 0.939 | |
| Toluene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.15 | 108 | 2.00 | 1.88 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.22 | 111 | 2.00 | 1.70 | |
| Total Xylenes* | <0.150 | 0.150 | 07/29/2022 | ND | 6.80 | 113 | 6.00 | 2.21 | |
| Total BTEx | <0.300 | 0.300 | 07/29/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 192 | 16.0 | 07/29/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/28/2022 | ND | 199 | 99.6 | 200 | 0.0608 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/28/2022 | ND | 212 | 106 | 200 | 0.239 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/28/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.4 % 43-149

Surrogate: 1-Chlorooctadecane 89.6 % 42.5-161

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 07/27/2022 | Sampling Date: | 07/27/2022 |
| Reported: | 08/01/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | Cool & Intact |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: AH - 8 (0-1') (H223313-08)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.06 | 103 | 2.00 | 0.939 | | |
| Toluene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.15 | 108 | 2.00 | 1.88 | | |
| Ethylbenzene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.22 | 111 | 2.00 | 1.70 | | |
| Total Xylenes* | <0.150 | 0.150 | 07/29/2022 | ND | 6.80 | 113 | 6.00 | 2.21 | | |
| Total BTEx | <0.300 | 0.300 | 07/29/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 07/29/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/28/2022 | ND | 199 | 99.6 | 200 | 0.0608 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/28/2022 | ND | 212 | 106 | 200 | 0.239 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/28/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 73.2 % 43-149

Surrogate: 1-Chlorooctadecane 83.5 % 42.5-161

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 07/27/2022 | Sampling Date: | 07/27/2022 |
| Reported: | 08/01/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | Cool & Intact |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: AH - 9 (0-1') (H223313-09)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.06 | 103 | 2.00 | 0.939 | |
| Toluene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.15 | 108 | 2.00 | 1.88 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/29/2022 | ND | 2.22 | 111 | 2.00 | 1.70 | |
| Total Xylenes* | <0.150 | 0.150 | 07/29/2022 | ND | 6.80 | 113 | 6.00 | 2.21 | |
| Total BTEx | <0.300 | 0.300 | 07/29/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 07/29/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/28/2022 | ND | 199 | 99.6 | 200 | 0.0608 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/28/2022 | ND | 212 | 106 | 200 | 0.239 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/28/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 75.0 % 43-149

Surrogate: 1-Chlorooctadecane 85.9 % 42.5-161

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Notes and Definitions

| | |
|-------|--|
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | |
|--|--|----------------------------|--|-------------------|--|------------------|--|
| Company Name: <u>ConocoPhillips</u> | | P.O. #: | | BILL TO | | ANALYSIS REQUEST | |
| Project Manager: <u>Christy Hull</u> | | Company: <u>Tetra Tech</u> | | | | | |
| Address: | | Attn: <u>Christy Hull</u> | | | | | |
| City: | | Address: <u>by email</u> | | | | | |
| State: | | City: | | | | | |
| Zip: | | State: | | | | | |
| Phone #: | | Fax #: | | | | | |
| Project #: <u>212-MD-02759</u> | | Project Owner: | | | | | |
| Project Name: <u>Wilder Back Valve Can Release</u> | | City: | | | | | |
| Project Location: <u>Lea County, NM</u> | | State: | | | | | |
| Sample Name: <u>Coleman Ridge</u> | | Phone #: | | | | | |
| FOR LAB USE ONLY | | Fax #: | | | | | |
| Lab I.D. | | Sample I.D. | | | | | |
| H223813 | | 1 AH-1 (0-1') | | (G)RAB OR (C)OMP. | | | |
| 2 AH-2 (0-1') | | 2 | | # CONTAINERS | | | |
| 3 AH-3 (0-1') | | 3 | | GROUNDWATER | | | |
| 4 AH-4 (0-1') | | 4 | | WASTEWATER | | | |
| 5 AH-5 (0-1') | | 5 | | SOIL | | | |
| 6 AH-6 (0-1') | | 6 | | OIL | | | |
| 7 AH-7 (0-1') | | 7 | | SLUDGE | | | |
| 8 AH-8 (0-1') | | 8 | | OTHER : | | | |
| 9 AH-9 (0-1') | | 9 | | ACID/BASE: | | | |
| | | | | ICE / COOL | | | |
| | | | | OTHER : | | | |
| | | | | DATE | | | |
| | | | | TIME | | | |
| | | | | TPH | | | |
| | | | | BTEX | | | |
| | | | | Chlorides | | | |

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Relinquished By: [Signature] Date: 7/27/22 Received By: [Signature] Verbal Result: ☐ Yes ☒ No Add'l Phone #:

Reinquinshed By: [Signature] Date: 7/27/22 Received By: [Signature] All Results are emailed. Please provide Email address: Christy.Hull@tetratech.com

Delivered By: (Circle One) Observed Temp. °C 5.3 Sample Condition Cool Intact ☒ Yes ☐ No CHECKED BY: (Initials) YO Turnaround Time: Standard ☒ Standard ☐ Rush Bacteria (only) Sample Condition Cool Intact ☒ Yes ☐ No Observed Temp. °C 5.3 Corrected Temp. °C 4.7 Thermometer ID #113 Correction Factor -0.5°C 7/27/22 Corrected Temp. °C 5.3

FORM 2006 R 3.2 10/07/21



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

August 08, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER BUCK VALVE CON RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 08/03/22 15:42.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 01 (0'-1') (H223474-01)

| BTEX 8021B | | mg/ kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.06 | 103 | 2.00 | 2.93 | | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 3.10 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 2.50 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.48 | 108 | 6.00 | 1.53 | | |
| Total BTEX | <0.300 | 0.300 | 08/05/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 08/06/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 196 | 98.2 | 200 | 2.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 213 | 107 | 200 | 2.12 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.9 % 43-149

Surrogate: 1-Chlorooctadecane 97.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 01 (2'-3') (H223474-02)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.06 | 103 | 2.00 | 2.93 | | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 3.10 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 2.50 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.48 | 108 | 6.00 | 1.53 | | |
| Total BTEx | <0.300 | 0.300 | 08/05/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 08/06/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 196 | 98.2 | 200 | 2.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 213 | 107 | 200 | 2.12 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.5 % 43-149

Surrogate: 1-Chlorooctadecane 89.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 01 (4'-5') (H223474-03)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.06 | 103 | 2.00 | 2.93 | | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 3.10 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 2.50 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.48 | 108 | 6.00 | 1.53 | | |
| Total BTEX | <0.300 | 0.300 | 08/05/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 160 | 16.0 | 08/06/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 196 | 98.2 | 200 | 2.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 213 | 107 | 200 | 2.12 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.7 % 43-149

Surrogate: 1-Chlorooctadecane 93.3 % 42.5-161

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 01 (6'-7') (H223474-04)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.06 | 103 | 2.00 | 2.93 | | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 3.10 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 2.50 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.48 | 108 | 6.00 | 1.53 | | |
| Total BTEx | <0.300 | 0.300 | 08/05/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1070 | 16.0 | 08/06/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 196 | 98.2 | 200 | 2.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 213 | 107 | 200 | 2.12 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.6 % 43-149

Surrogate: 1-Chlorooctadecane 97.4 % 42.5-161

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 01 (9'-10') (H223474-05)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.06 | 103 | 2.00 | 2.93 | | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 3.10 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 2.50 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.48 | 108 | 6.00 | 1.53 | | |
| Total BTEx | <0.300 | 0.300 | 08/05/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 08/06/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 196 | 98.2 | 200 | 2.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 213 | 107 | 200 | 2.12 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.5 % 43-149

Surrogate: 1-Chlorooctadecane 98.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 01 (14'-15') (H223474-06)

| BTX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.06 | 103 | 2.00 | 2.93 | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 3.10 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.48 | 108 | 6.00 | 1.53 | |
| Total BTX | <0.300 | 0.300 | 08/05/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 08/06/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 196 | 98.2 | 200 | 2.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 213 | 107 | 200 | 2.12 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.9 % 43-149

Surrogate: 1-Chlorooctadecane 94.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 01 (19'-20') (H223474-07)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.06 | 103 | 2.00 | 2.93 | | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 3.10 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 2.50 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.48 | 108 | 6.00 | 1.53 | | |
| Total BTEx | <0.300 | 0.300 | 08/05/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 08/06/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 196 | 98.2 | 200 | 2.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 213 | 107 | 200 | 2.12 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.1 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 02 (0'-1') (H223474-08)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.06 | 103 | 2.00 | 2.93 | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 3.10 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.48 | 108 | 6.00 | 1.53 | |
| Total BTEx | <0.300 | 0.300 | 08/05/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 08/06/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 196 | 98.2 | 200 | 2.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 213 | 107 | 200 | 2.12 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.4 % 43-149

Surrogate: 1-Chlorooctadecane 96.0 % 42.5-161

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 02 (2'-3') (H223474-09)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.06 | 103 | 2.00 | 2.93 | | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 3.10 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 2.50 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.48 | 108 | 6.00 | 1.53 | | |
| Total BTEx | <0.300 | 0.300 | 08/05/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 08/06/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 196 | 98.2 | 200 | 2.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 213 | 107 | 200 | 2.12 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.3 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 02 (4'-5') (H223474-10)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.06 | 103 | 2.00 | 2.93 | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 3.10 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.48 | 108 | 6.00 | 1.53 | |
| Total BTEx | <0.300 | 0.300 | 08/05/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 08/06/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 196 | 98.2 | 200 | 2.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 213 | 107 | 200 | 2.12 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.0 % 43-149

Surrogate: 1-Chlorooctadecane 98.0 % 42.5-161

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 02 (6'-7') (H223474-11)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.06 | 103 | 2.00 | 2.93 | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 3.10 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.48 | 108 | 6.00 | 1.53 | |
| Total BTEx | <0.300 | 0.300 | 08/05/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 08/06/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 196 | 98.2 | 200 | 2.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 213 | 107 | 200 | 2.12 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.9 % 43-149

Surrogate: 1-Chlorooctadecane 91.4 % 42.5-161

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 02 (9'-10') (H223474-12)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.06 | 103 | 2.00 | 2.93 | | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 3.10 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 2.50 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.48 | 108 | 6.00 | 1.53 | | |
| Total BTEx | <0.300 | 0.300 | 08/05/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 08/06/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 196 | 98.2 | 200 | 2.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 213 | 107 | 200 | 2.12 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.7 % 43-149

Surrogate: 1-Chlorooctadecane 95.7 % 42.5-161

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 02 (14'-15') (H223474-13)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.06 | 103 | 2.00 | 2.93 | | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 3.10 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 2.50 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.48 | 108 | 6.00 | 1.53 | | |
| Total BTEx | <0.300 | 0.300 | 08/05/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 08/06/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 196 | 98.2 | 200 | 2.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 213 | 107 | 200 | 2.12 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 89.7 % 43-149

Surrogate: 1-Chlorooctadecane 106 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 02 (19'-20') (H223474-14)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.06 | 103 | 2.00 | 2.93 | | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 3.10 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 2.50 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.48 | 108 | 6.00 | 1.53 | | |
| Total BTEx | <0.300 | 0.300 | 08/05/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 08/06/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 196 | 98.2 | 200 | 2.33 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 213 | 107 | 200 | 2.12 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 90.1 % 43-149

Surrogate: 1-Chlorooctadecane 106 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 02 (24'-25') (H223474-15)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.06 | 103 | 2.00 | 2.93 | | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 3.10 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.14 | 107 | 2.00 | 2.50 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.48 | 108 | 6.00 | 1.53 | | |
| Total BTEX | <0.300 | 0.300 | 08/05/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 08/06/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 200 | 99.8 | 200 | 6.72 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 189 | 94.3 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.6 % 43-149

Surrogate: 1-Chlorooctadecane 104 % 42.5-161

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 02 (29'-30') (H223474-16)

| BTX 8021B | | mg/kg | | Analyzed By: JH/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 1.93 | 96.3 | 2.00 | 1.18 | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 1.98 | 99.1 | 2.00 | 0.957 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.00 | 100 | 2.00 | 0.931 | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.16 | 103 | 6.00 | 0.166 | |
| Total BTX | <0.300 | 0.300 | 08/05/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 08/06/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 200 | 99.8 | 200 | 6.72 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 189 | 94.3 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 123 % 43-149

Surrogate: 1-Chlorooctadecane 137 % 42.5-161

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 03 (0'-1') (H223474-17)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 1.93 | 96.3 | 2.00 | 1.18 | | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 1.98 | 99.1 | 2.00 | 0.957 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.00 | 100 | 2.00 | 0.931 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.16 | 103 | 6.00 | 0.166 | | |
| Total BTEx | <0.300 | 0.300 | 08/05/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 08/06/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 200 | 99.8 | 200 | 6.72 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 189 | 94.3 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 119 % 43-149

Surrogate: 1-Chlorooctadecane 126 % 42.5-161

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 03 (2'-3') (H223474-18)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 1.93 | 96.3 | 2.00 | 1.18 | | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 1.98 | 99.1 | 2.00 | 0.957 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.00 | 100 | 2.00 | 0.931 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.16 | 103 | 6.00 | 0.166 | | |
| Total BTEx | <0.300 | 0.300 | 08/05/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 08/06/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 200 | 99.8 | 200 | 6.72 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 189 | 94.3 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 93.6 % 43-149

Surrogate: 1-Chlorooctadecane 97.1 % 42.5-161

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 03 (4'-5') (H223474-19)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 1.93 | 96.3 | 2.00 | 1.18 | | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 1.98 | 99.1 | 2.00 | 0.957 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.00 | 100 | 2.00 | 0.931 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.16 | 103 | 6.00 | 0.166 | | |
| Total BTEx | <0.300 | 0.300 | 08/05/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 08/06/2022 | ND | 432 | 108 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 200 | 99.8 | 200 | 6.72 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 189 | 94.3 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 94.3 % 43-149

Surrogate: 1-Chlorooctadecane 99.6 % 42.5-161

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 03 (6'-7') (H223474-20)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 1.93 | 96.3 | 2.00 | 1.18 | | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 1.98 | 99.1 | 2.00 | 0.957 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.00 | 100 | 2.00 | 0.931 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.16 | 103 | 6.00 | 0.166 | | |
| Total BTEx | <0.300 | 0.300 | 08/05/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 08/06/2022 | ND | 448 | 112 | 400 | 3.64 | QM-07 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 200 | 99.8 | 200 | 6.72 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 189 | 94.3 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 106 % 43-149

Surrogate: 1-Chlorooctadecane 111 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 03 (9'-10') (H223474-21)

| BTX 8021B | | mg/kg | | Analyzed By: JH/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 1.93 | 96.3 | 2.00 | 1.18 | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 1.98 | 99.1 | 2.00 | 0.957 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.00 | 100 | 2.00 | 0.931 | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.16 | 103 | 6.00 | 0.166 | |
| Total BTX | <0.300 | 0.300 | 08/05/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 256 | 16.0 | 08/06/2022 | ND | 448 | 112 | 400 | 3.64 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 200 | 99.8 | 200 | 6.72 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 189 | 94.3 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 111 % 43-149

Surrogate: 1-Chlorooctadecane 120 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 03 (14'-15') (H223474-22)

| BTX 8021B | | mg/kg | | Analyzed By: JH/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 1.93 | 96.3 | 2.00 | 1.18 | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 1.98 | 99.1 | 2.00 | 0.957 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.00 | 100 | 2.00 | 0.931 | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.16 | 103 | 6.00 | 0.166 | |
| Total BTX | <0.300 | 0.300 | 08/05/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 64.0 | 16.0 | 08/06/2022 | ND | 448 | 112 | 400 | 3.64 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 200 | 99.8 | 200 | 6.72 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 189 | 94.3 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 105 % 43-149

Surrogate: 1-Chlorooctadecane 112 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 03 (19'-20') (H223474-23)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 1.93 | 96.3 | 2.00 | 1.18 | | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 1.98 | 99.1 | 2.00 | 0.957 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.00 | 100 | 2.00 | 0.931 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.16 | 103 | 6.00 | 0.166 | | |
| Total BTEx | <0.300 | 0.300 | 08/05/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 64.0 | 16.0 | 08/06/2022 | ND | 448 | 112 | 400 | 3.64 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 200 | 99.8 | 200 | 6.72 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 189 | 94.3 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 105 % 43-149

Surrogate: 1-Chlorooctadecane 111 % 42.5-161

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 04 (0'-1') (H223474-24)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 1.93 | 96.3 | 2.00 | 1.18 | | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 1.98 | 99.1 | 2.00 | 0.957 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.00 | 100 | 2.00 | 0.931 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.16 | 103 | 6.00 | 0.166 | | |
| Total BTEx | <0.300 | 0.300 | 08/05/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 08/06/2022 | ND | 448 | 112 | 400 | 3.64 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 200 | 99.8 | 200 | 6.72 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 189 | 94.3 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.8 % 43-149

Surrogate: 1-Chlorooctadecane 98.6 % 42.5-161

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/03/2022 | Sampling Date: | 08/03/2022 |
| Reported: | 08/08/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: BH - 04 (1'-2') (H223474-25)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/05/2022 | ND | 1.93 | 96.3 | 2.00 | 1.18 | | |
| Toluene* | <0.050 | 0.050 | 08/05/2022 | ND | 1.98 | 99.1 | 2.00 | 0.957 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/05/2022 | ND | 2.00 | 100 | 2.00 | 0.931 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/05/2022 | ND | 6.16 | 103 | 6.00 | 0.166 | | |
| Total BTEx | <0.300 | 0.300 | 08/05/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 08/06/2022 | ND | 448 | 112 | 400 | 3.64 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/05/2022 | ND | 200 | 99.8 | 200 | 6.72 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/05/2022 | ND | 189 | 94.3 | 200 | 4.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/05/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 115 % 43-149

Surrogate: 1-Chlorooctadecane 120 % 42.5-161

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Notes and Definitions

| | |
|-------|--|
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 01 of 03

Page 28 of 30



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 09 of 03

| BILL TO | | | | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|----------------------------------|--|--|-----------------------------------|--|--|
| Company Name: Rouven Phillips | | | | P.O. #: | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: Christopher Lull | | | | Attn: Christopher Lull | | | | | | | | | | | | | | | | | | | | | | | |
| Address: | | | | State: Zip: | | | | | | | | | | | | | | | | | | | | | | | |
| City: | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: AAC-HS-03759 | | | | Project Owner: | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Wilder Back Vela Cow Release | | | | City: | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: Lea County, NM | | | | State: Zip: | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Name: Star Tyler | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | | | Sample I.D. | | | | | | | | | | | | | | | | | | | | | | | |
| H033474 | | | | (G)RAB OR (C)OMP. | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | # CONTAINERS | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | GROUNDWATER | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | WASTEWATER | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | SOIL | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | OIL | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | SLUDGE | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | OTHER : | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | ACID/BASE: | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | ICE / COOL | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | OTHER : | | | | | | | | | | | | | | | | | | | | | | | |
| BH-02 (6'-7') | | | | DATE | | | | | | | | | | | | | | | | | | | | | | | |
| BH-02 (9'-10') | | | | TIME | | | | | | | | | | | | | | | | | | | | | | | |
| BH-02 (14'-15') | | | | (TX) | | | | | | | | | | | | | | | | | | | | | | | |
| BH-02 (19'-20') | | | | TPH | | | | | | | | | | | | | | | | | | | | | | | |
| BH-02 (24'-25') | | | | BTEX | | | | | | | | | | | | | | | | | | | | | | | |
| BH-02 (29'-30') | | | | Chlorides | | | | | | | | | | | | | | | | | | | | | | | |
| BH-03 (0'-1') | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BH-03 (3'-3') | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BH-03 (4'-5') | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BH-03 (6'-7') | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Relinquished By: Juanita Delacruz | | | | Date: 8-3-22 | | | | | | | | | | | | | | | | | | | | | | | |
| Time: 1542 | | | | Received By: Juanita Delacruz | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: Juanita Delacruz | | | | Date: 8-3-22 | | | | | | | | | | | | | | | | | | | | | | | |
| Time: 1542 | | | | Received By: Juanita Delacruz | | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) UPS - Bus - Other: | | | | Observed Temp. °C 40.8 | | | Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | CHECKED BY: (Initials) JD | | | Turnaround Time: Standard Rush 8/3/22 | | | Bacteria (only) Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | Thermometer ID #113 Correction Factor -0.5°C | | | Observed Temp. °C 40.2 | | | Corrected Temp. °C 40.7 | | |



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 03 of 03

| | | | | | | | |
|--|------------------------|-----------------------------|--------------|-------------|-------------|------------------|------------------|
| Company Name: <u>Coveco Phillips</u> | | P.O. #: | | BILL TO | | ANALYSIS REQUEST | |
| Project Manager: <u>Christina Hull</u> | | Company: <u>Tetra Tech</u> | | | | | |
| Address: | | Attn: <u>Christina Hull</u> | | | | | |
| City: | | Address: | | | | | |
| State: | | City: | | | | | |
| Zip: | | State: | | | | | |
| Phone #: | | Fax #: | | | | | |
| Project #: <u>212C-MD-00759</u> | | Project Owner: | | | | | |
| Project Name: <u>Wilder Butte Valve Cove Release</u> | | City: | | | | | |
| Project Location: <u>Lea County, NM</u> | | State: | | | | | |
| Sample Name: <u>Sta Taylor</u> | | Phone #: | | | | | |
| FOR LAB USE ONLY | | Fax #: | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | PRESERV. | SAMPLING |
| | | | | GROUNDWATER | | | |
| | | | | WASTEWATER | | | |
| | | | | SOIL | | | |
| | | | | OIL | | | |
| | | | | SLUDGE | | | |
| | | | | OTHER: | | | |
| | | | | ACID/BASE: | | | |
| | | | | ICE / COOL | | | |
| | | | | OTHER: | | | |
| | | | | DATE | TIME | | |
| <u>HA3374</u> | <u>BH-03 (9'-10')</u> | <u>G</u> | <u>1</u> | <u>8-03</u> | <u>1440</u> | <u>X</u> | <u>TPH</u> |
| <u>21</u> | <u>BH-03 (14'-15')</u> | | | | <u>1450</u> | <u>X</u> | <u>BTEX</u> |
| <u>23</u> | <u>BH-03 (19'-20')</u> | | | | <u>1505</u> | <u>X</u> | <u>Chlorides</u> |
| <u>24</u> | <u>BH-04 (0'-1')</u> | | | | <u>1505</u> | | |
| <u>25</u> | <u>BH-04 (1'-2')</u> | | | | <u>1510</u> | | |

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| | | | |
|-------------------------------------|---------------------|---------------------------------|---------------------|
| Relinquished By: <u>[Signature]</u> | Date: <u>8-3-22</u> | Received By: <u>[Signature]</u> | Date: <u>8-3-22</u> |
| Relinquished By: <u>[Signature]</u> | Date: <u>8-3-22</u> | Received By: <u>[Signature]</u> | Date: <u>8-3-22</u> |

Delivered By: (Circle One) Observed Temp. °C 40.8 Sample Condition Cool Intact Yes Checked By: (Initials) YQ.

Sampler - UPS - Bus - Other: Corrected Temp. °C 40.2 No Yes No Turnaround Time: Standard Rush Thermometer ID #113 Correction Factor -0.5°C 70.8/3/22 Bacteria (only) Cool Intact Yes No Sample Condition Observed Temp. °C Corrected Temp. °C

FORWARD TO: 3-2-10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

August 25, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER BUCK VALVE CON RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 08/23/22 13:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/23/2022 | Sampling Date: | 08/23/2022 |
| Reported: | 08/25/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: AH - 10 (0-1') (H223855-01)

| BTX 8021B | | mg/kg | | Analyzed By: JH/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/23/2022 | ND | 2.01 | 100 | 2.00 | 0.209 | |
| Toluene* | <0.050 | 0.050 | 08/23/2022 | ND | 2.00 | 99.9 | 2.00 | 1.26 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/23/2022 | ND | 1.93 | 96.5 | 2.00 | 0.720 | |
| Total Xylenes* | <0.150 | 0.150 | 08/23/2022 | ND | 6.05 | 101 | 6.00 | 1.74 | |
| Total BTX | <0.300 | 0.300 | 08/23/2022 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 08/24/2022 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2022 | ND | 196 | 98.0 | 200 | 0.680 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2022 | ND | 183 | 91.3 | 200 | 0.702 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.5 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/23/2022 | Sampling Date: | 08/23/2022 |
| Reported: | 08/25/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: AH - 11 (0-1') (H223855-02)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/23/2022 | ND | 2.01 | 100 | 2.00 | 0.209 | | |
| Toluene* | <0.050 | 0.050 | 08/23/2022 | ND | 2.00 | 99.9 | 2.00 | 1.26 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/23/2022 | ND | 1.93 | 96.5 | 2.00 | 0.720 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/23/2022 | ND | 6.05 | 101 | 6.00 | 1.74 | | |
| Total BTEx | <0.300 | 0.300 | 08/23/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 48.0 | 16.0 | 08/24/2022 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2022 | ND | 196 | 98.0 | 200 | 0.680 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2022 | ND | 183 | 91.3 | 200 | 0.702 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 79.0 % 46.3-178

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/23/2022 | Sampling Date: | 08/23/2022 |
| Reported: | 08/25/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: AH - 12 (0-1') (H223855-03)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/24/2022 | ND | 2.01 | 100 | 2.00 | 0.209 | | |
| Toluene* | <0.050 | 0.050 | 08/24/2022 | ND | 2.00 | 99.9 | 2.00 | 1.26 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.93 | 96.5 | 2.00 | 0.720 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2022 | ND | 6.05 | 101 | 6.00 | 1.74 | | |
| Total BTEx | <0.300 | 0.300 | 08/24/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 08/24/2022 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2022 | ND | 196 | 98.0 | 200 | 0.680 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2022 | ND | 183 | 91.3 | 200 | 0.702 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.5 % 46.3-178

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

| | | | |
|-------------------|-------------------------------|---------------------|----------------|
| Received: | 08/23/2022 | Sampling Date: | 08/23/2022 |
| Reported: | 08/25/2022 | Sampling Type: | Soil |
| Project Name: | WILDER BUCK VALVE CON RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C - MD - 02759 | Sample Received By: | Tamara Oldaker |
| Project Location: | CONOCO PHILLIPS - LEA CO NM | | |

Sample ID: AH - 13 (0-1') (H223855-04)

| BTEx 8021B | | mg/kg | | Analyzed By: JH/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 08/24/2022 | ND | 2.01 | 100 | 2.00 | 0.209 | | |
| Toluene* | <0.050 | 0.050 | 08/24/2022 | ND | 2.00 | 99.9 | 2.00 | 1.26 | | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2022 | ND | 1.93 | 96.5 | 2.00 | 0.720 | | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2022 | ND | 6.05 | 101 | 6.00 | 1.74 | | |
| Total BTEx | <0.300 | 0.300 | 08/24/2022 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 160 | 16.0 | 08/24/2022 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 08/24/2022 | ND | 196 | 98.0 | 200 | 0.680 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2022 | ND | 183 | 91.3 | 200 | 0.702 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2022 | ND | | | | | |

Surrogate: 1-Chlorooctane 75.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

| | |
|-----|--|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



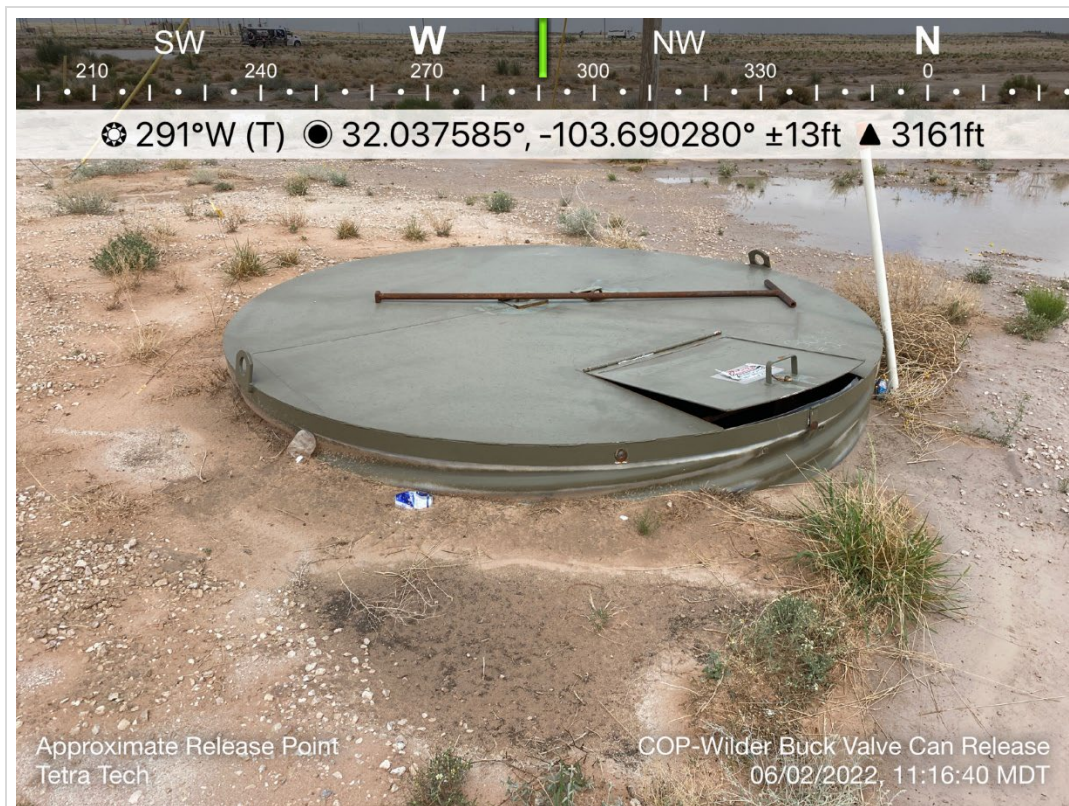
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

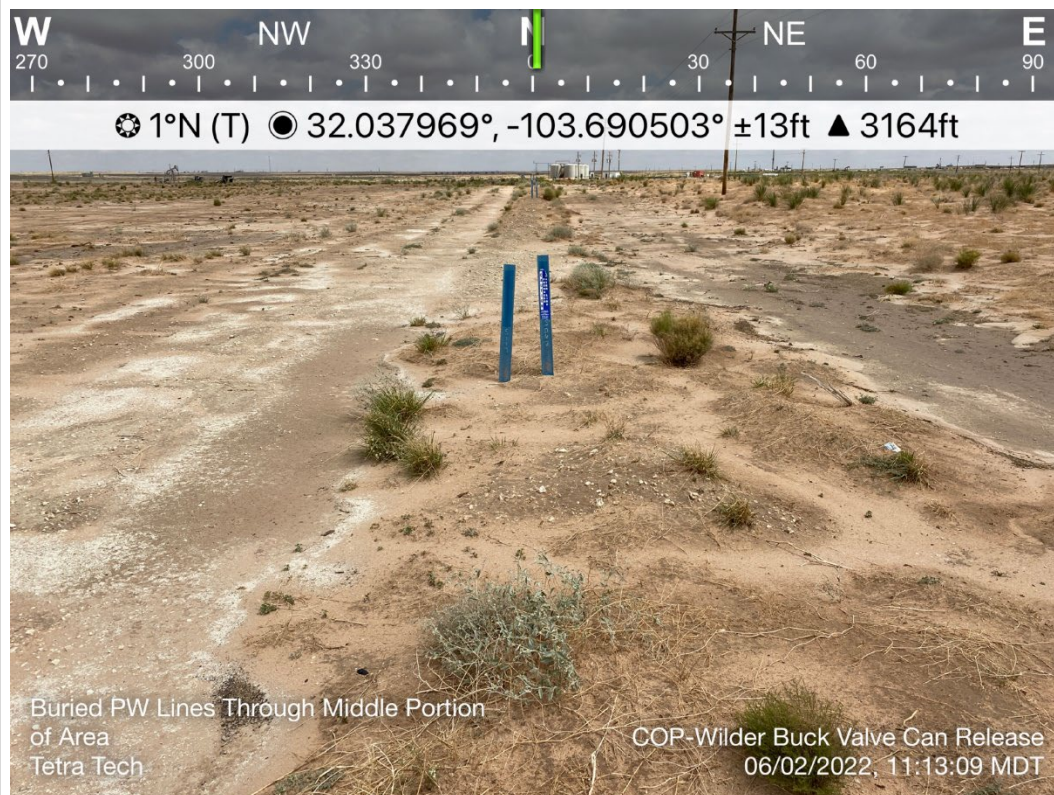
[illegible]

APPENDIX D

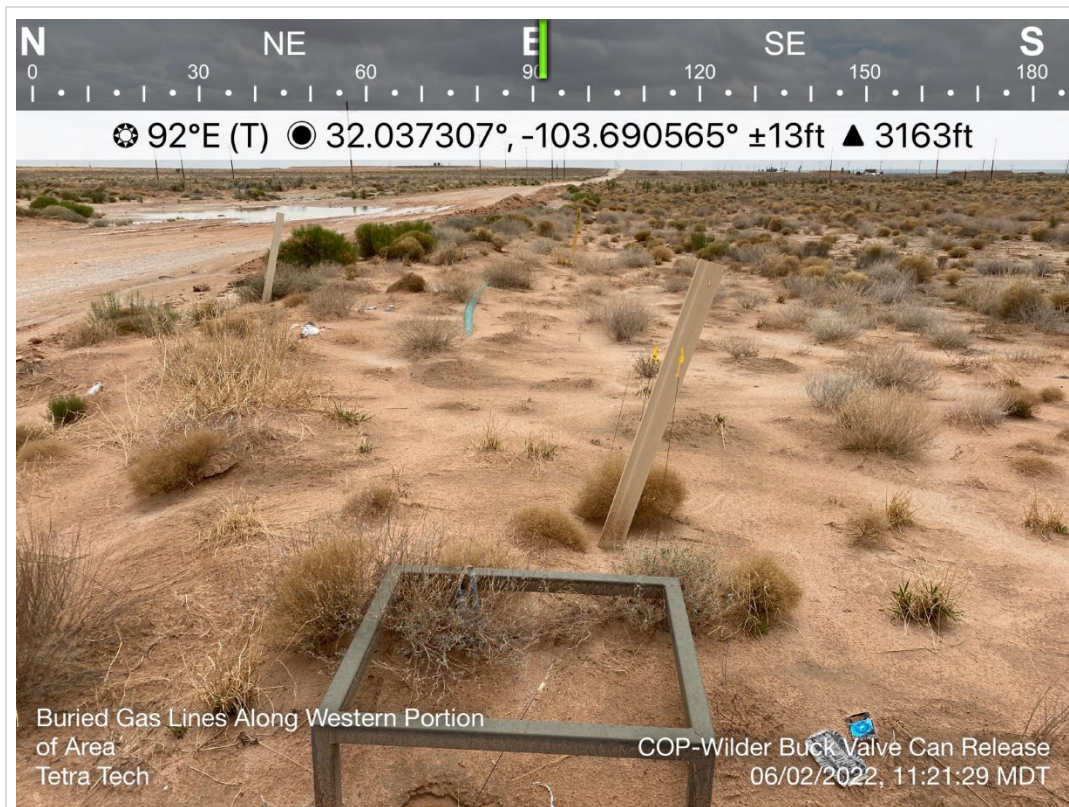
Photographic Documentation



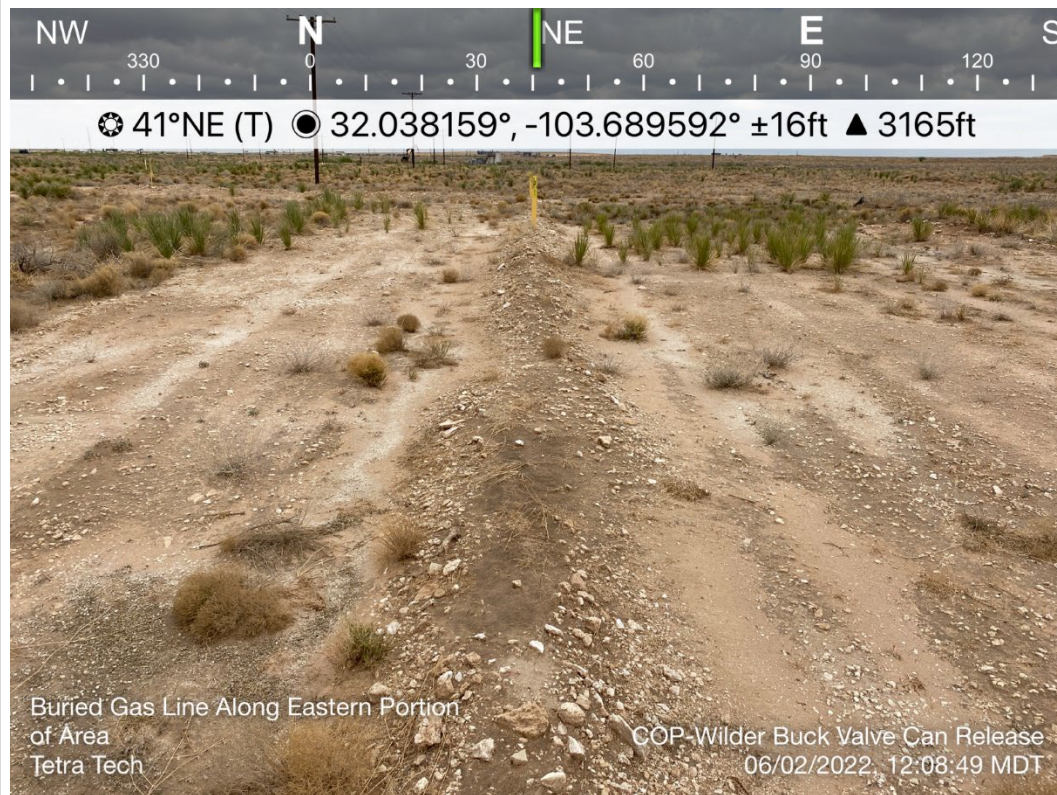
| | | | |
|--|-------------|---|------------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02759 | DESCRIPTION | Approximate release location, "water system valve can". | 1 |
| | SITE NAME | ConocoPhillips Wilder Buck Valve Can Release | 06/02/2022 |



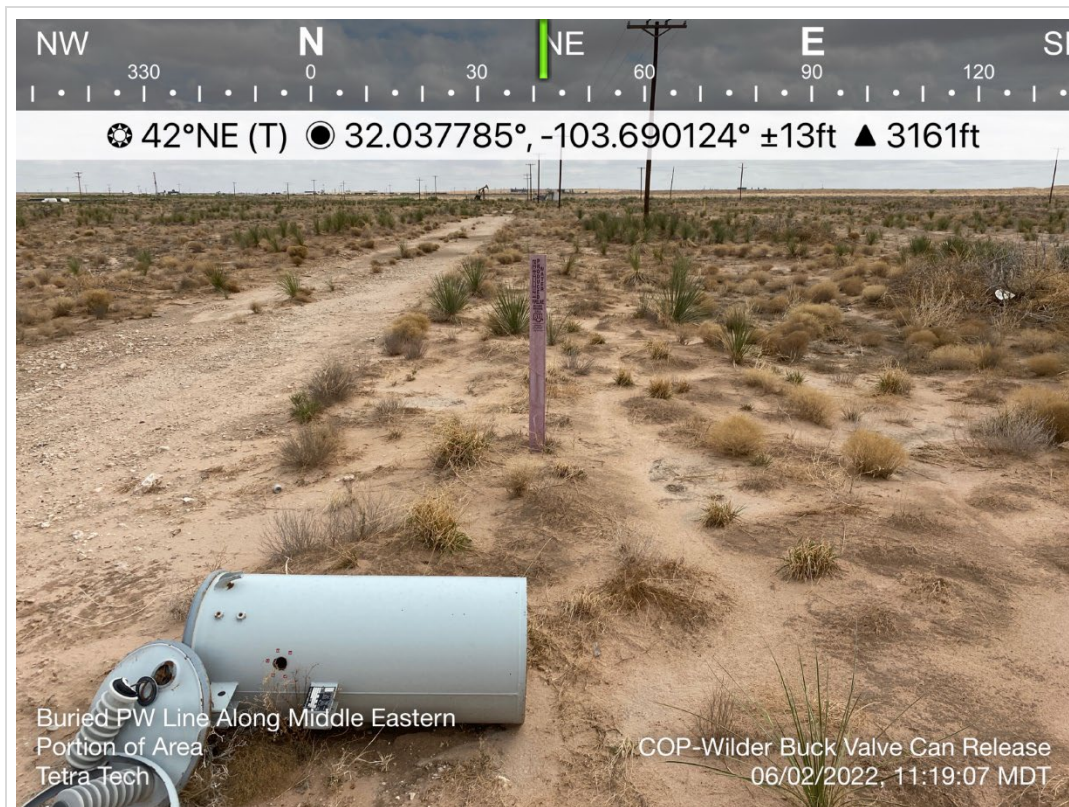
| | | | |
|--|-------------|---|------------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02759 | DESCRIPTION | View north; west of release extent along lease road. Subsurface produced water line, runs north/south and east/west through the release extent. | 2 |
| | SITE NAME | ConocoPhillips Wilder Buck Valve Can Release | 06/02/2022 |



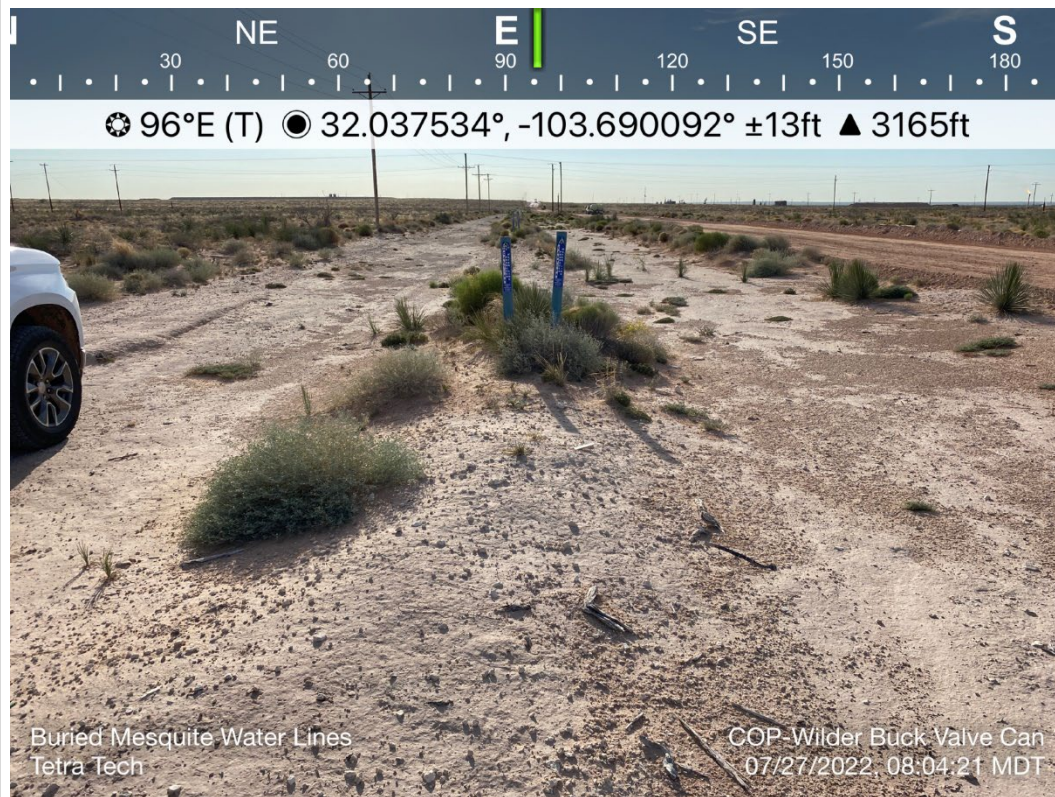
| | | | |
|--|-------------|--|------------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02759 | DESCRIPTION | View east. Subsurface gas lines (2), run southwest/northeast through the release extent. | 3 |
| | SITE NAME | ConocoPhillips Wilder Buck Valve Can Release | 06/02/2022 |



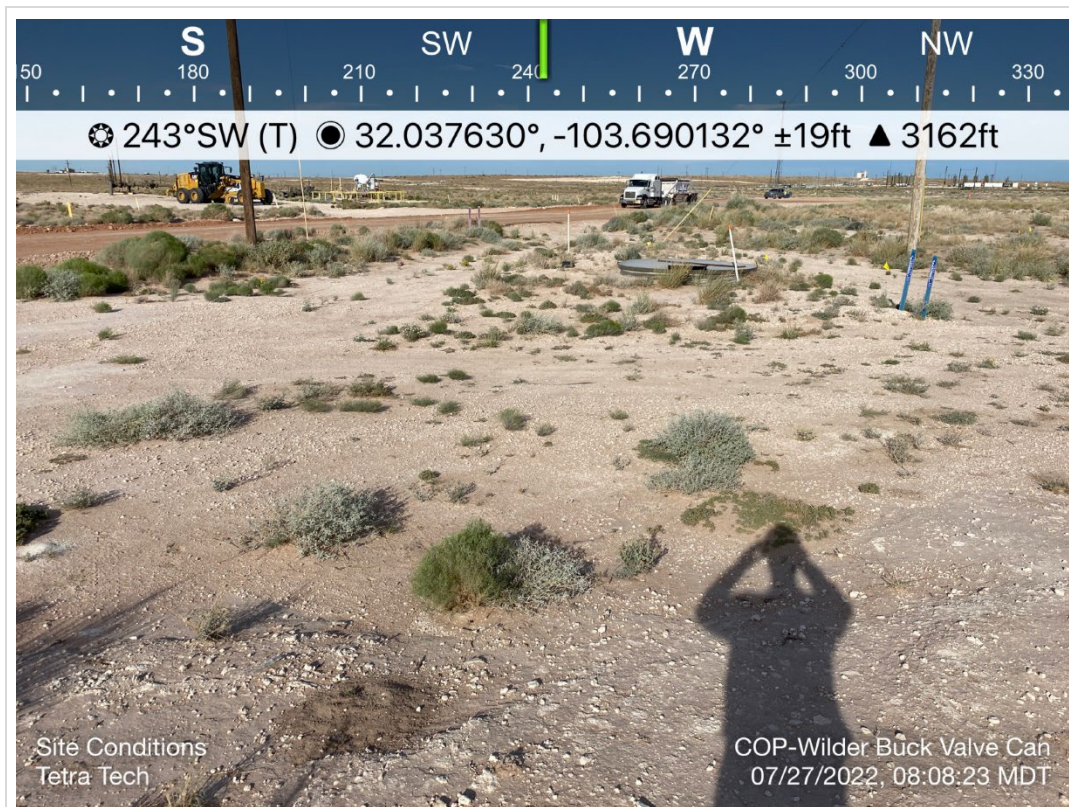
| | | | |
|--|-------------|---|------------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02759 | DESCRIPTION | View northeast. Subsurface gas line on eastern portion of release area. | 4 |
| | SITE NAME | ConocoPhillips Wilder Buck Valve Can Release | 06/02/2022 |



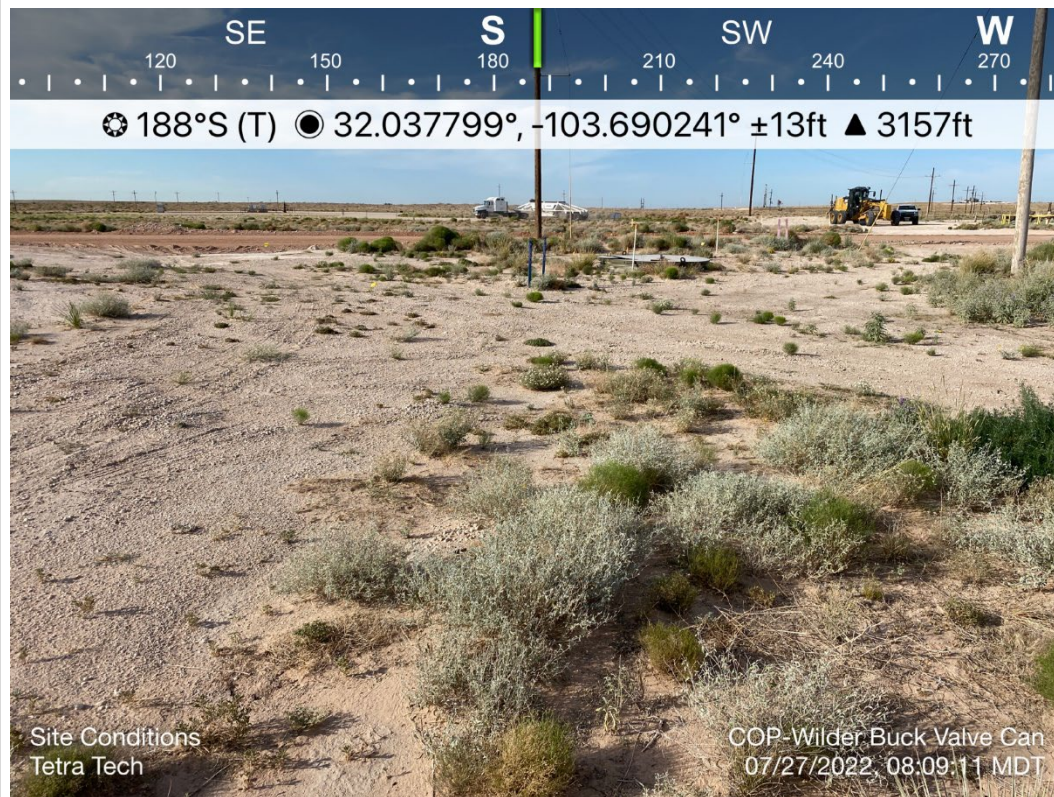
| | | | |
|--|-------------|--|------------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02759 | DESCRIPTION | View northeast. Subsurface produced water line on eastern portion of release area. | 5 |
| | SITE NAME | ConocoPhillips Wilder Buck Valve Can Release | 06/02/2022 |



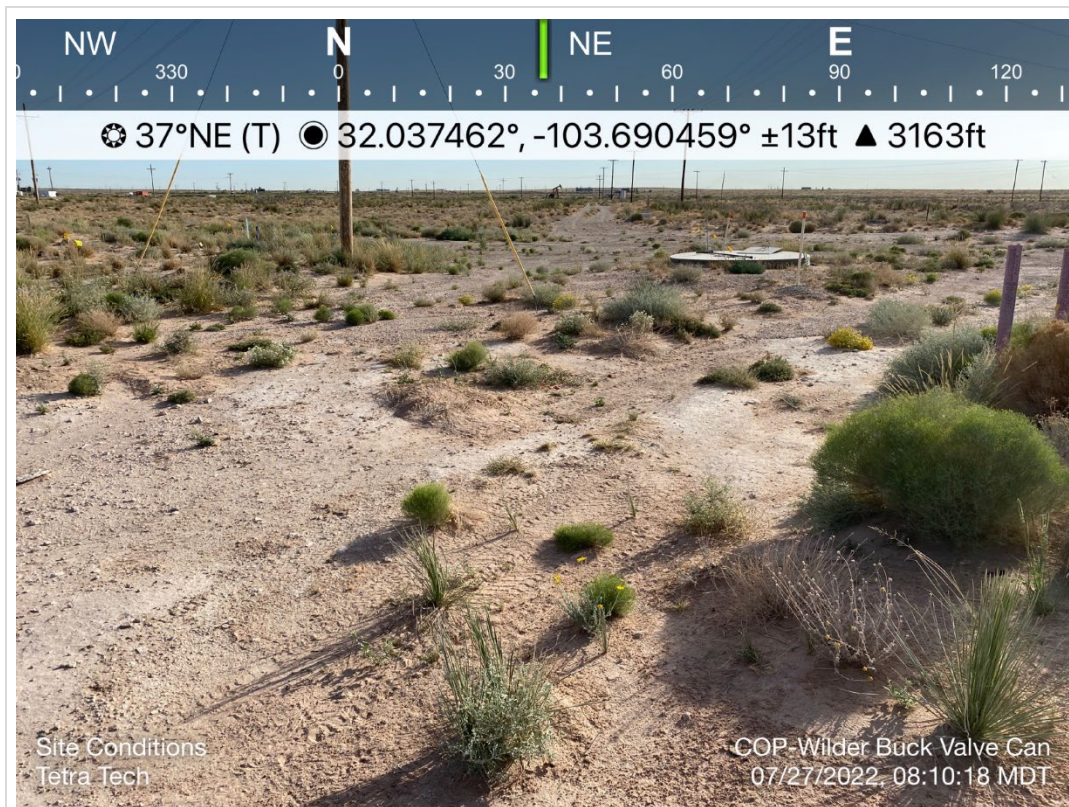
| | | | |
|--|-------------|---|------------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02759 | DESCRIPTION | View east. Subsurface produced water lines (2), run east/west and north/south through release area. | 6 |
| | SITE NAME | ConocoPhillips Wilder Buck Valve Can Release | 07/27/2022 |



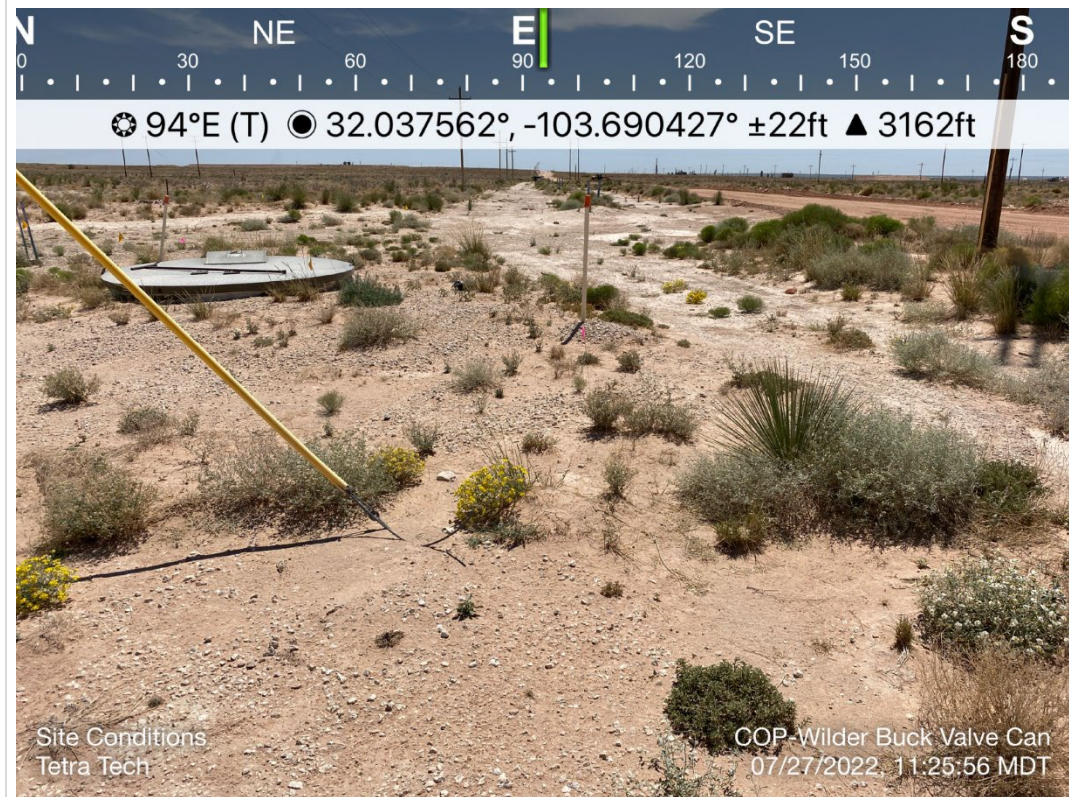
| | | | |
|--|-------------|---|------------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02759 | DESCRIPTION | View southwest. Various subsurface pipeline ROW's and valve "can" cellar within the release area. | 7 |
| | SITE NAME | ConocoPhillips Wilder Buck Valve Can Release | 07/27/2022 |



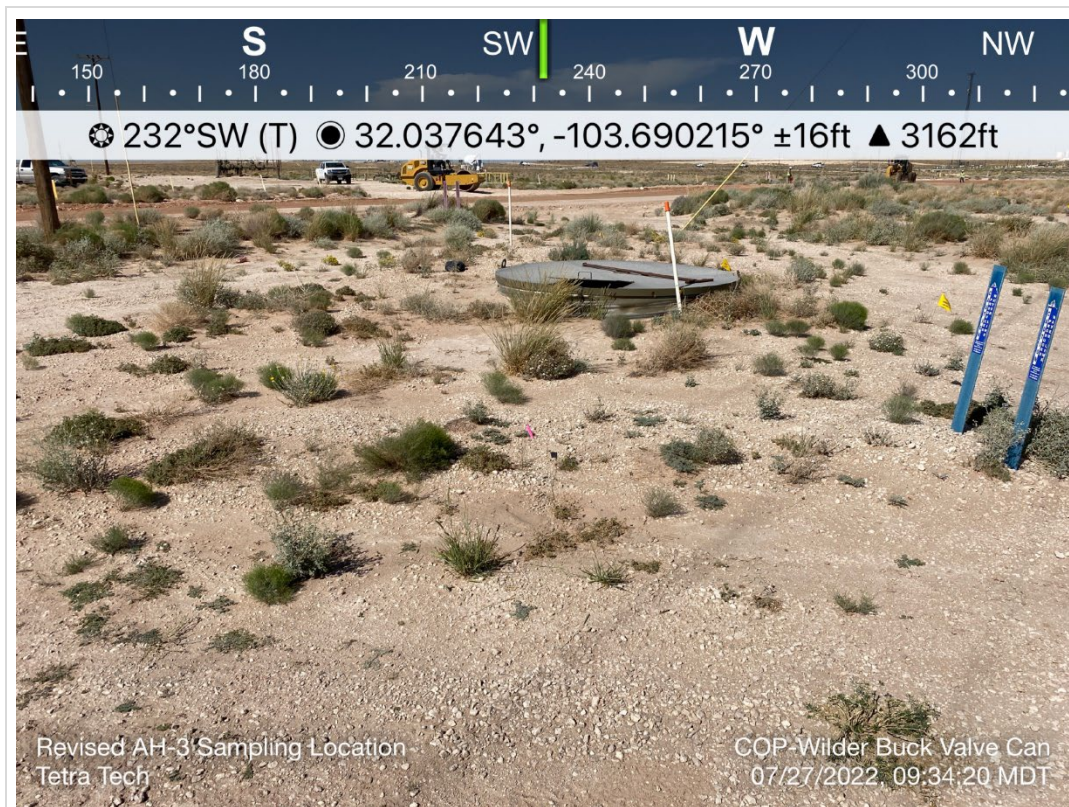
| | | | |
|--|-------------|---|------------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02759 | DESCRIPTION | View south. Vegetation growth observed in release area. | 8 |
| | SITE NAME | ConocoPhillips Wilder Buck Valve Can Release | 07/27/2022 |



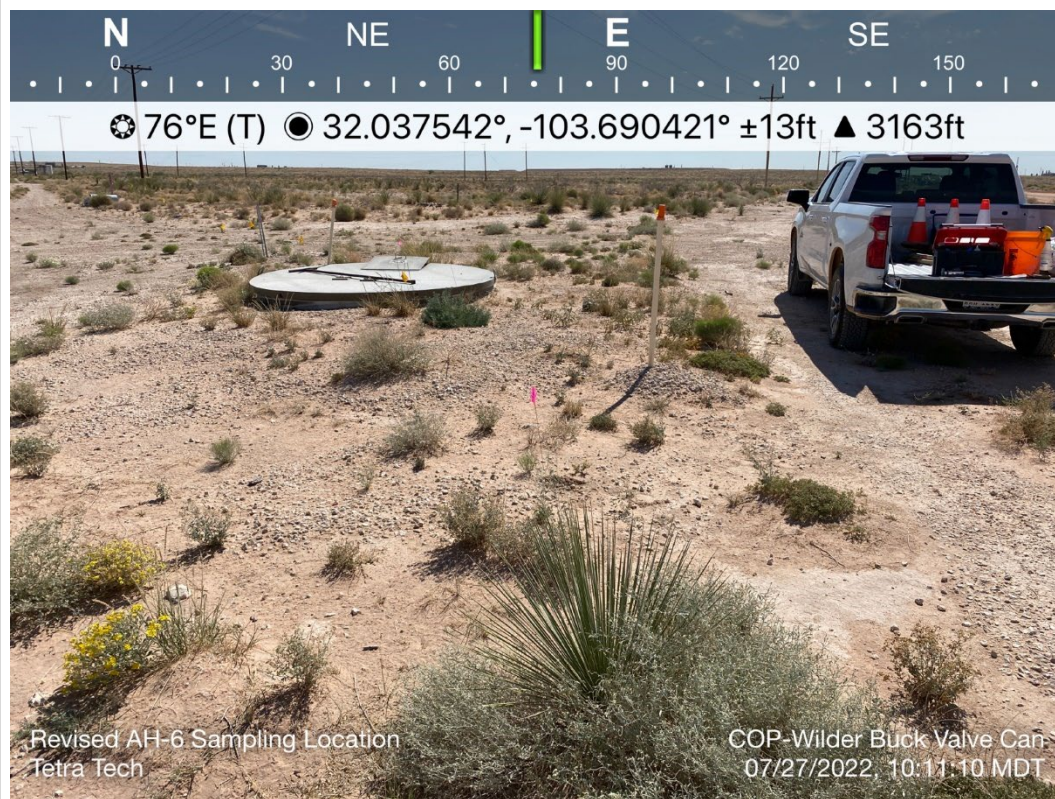
| | | | |
|--|-------------|---|------------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02759 | DESCRIPTION | View northeast. Vegetation growth observed in southwestern portion of the release extent. | 9 |
| | SITE NAME | ConocoPhillips Wilder Buck Valve Can Release | 07/27/2022 |



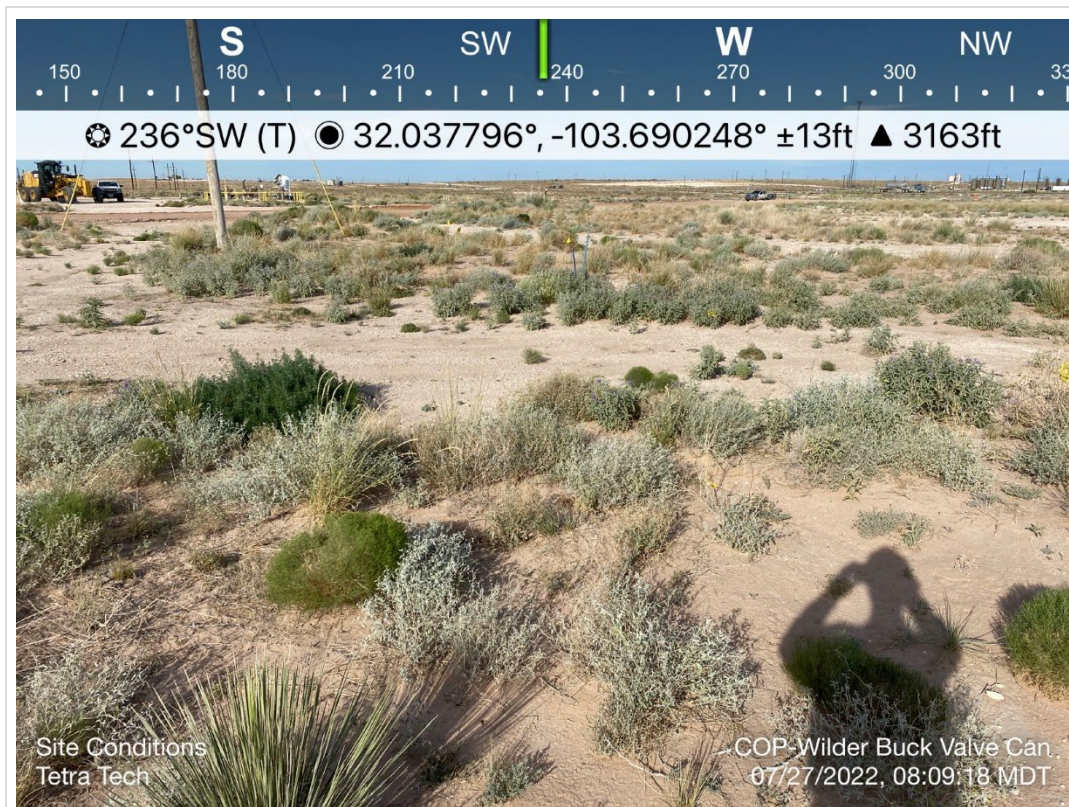
| | | | |
|--|-------------|--|------------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02759 | DESCRIPTION | View east. Vegetation growth present near the approximate release point. | 10 |
| | SITE NAME | ConocoPhillips Wilder Buck Valve Can Release | 07/27/2022 |



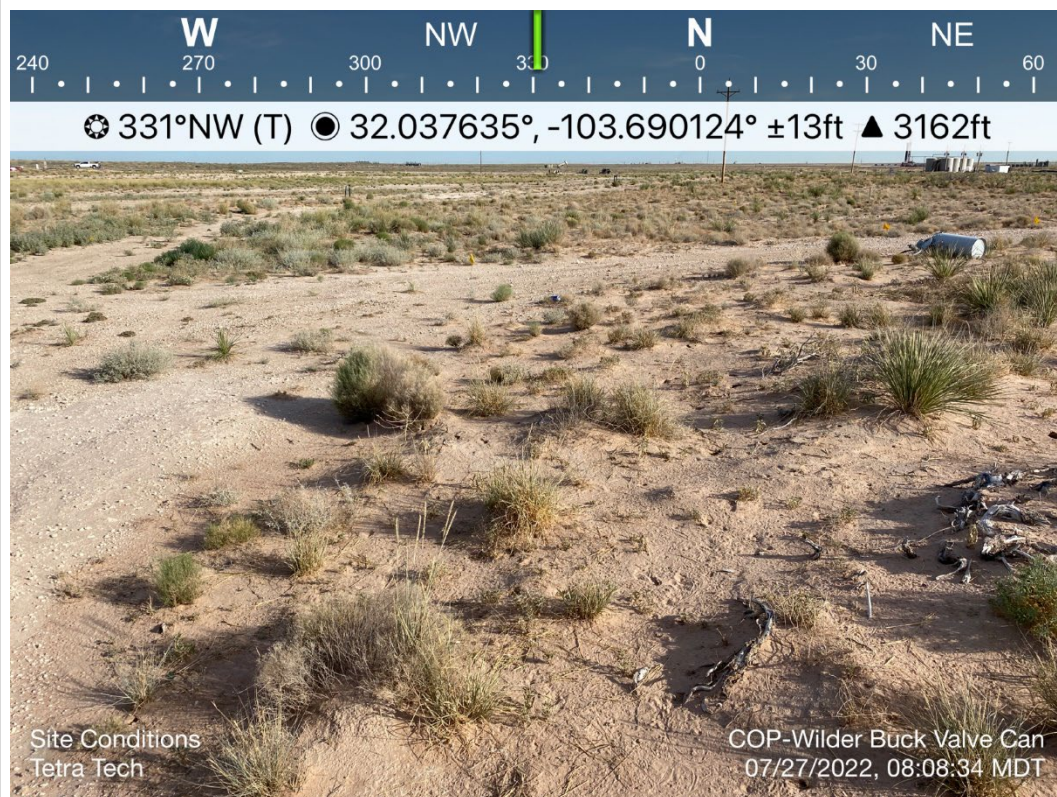
| | | | |
|--|-------------|---|------------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02759 | DESCRIPTION | View southwest. AH-3 sampling location, collected near approximate release point. | 11 |
| | SITE NAME | ConocoPhillips Wilder Buck Valve Can Release | 07/27/2022 |



| | | | |
|--|-------------|--|------------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02759 | DESCRIPTION | View east. AH-6 sampling location, collected near approximate release point. | 12 |
| | SITE NAME | ConocoPhillips Wilder Buck Valve Can Release | 07/27/2022 |



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|--|-------------|--|------------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02759 | DESCRIPTION | View southwest. Vegetation growth observed between pipeline ROW's in the release extent. | 13 |
| | SITE NAME | ConocoPhillips Wilder Buck Valve Can Release | 07/27/2022 |



| | | | |
|--|-------------|---|------------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02759 | DESCRIPTION | View northwest. Vegetation growth observed in northern portion of the release extent. | 14 |
| | SITE NAME | ConocoPhillips Wilder Buck Valve Can Release | 07/27/2022 |

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
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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 151468

CONDITIONS

| | |
|--|---|
| Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701 | OGRID: 217817 |
| | Action Number: 151468 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| | | |
|------------|--------------------------|----------------|
| Created By | Condition | Condition Date |
| jnobui | Closure Report Approved. | 11/9/2022 |