

June 19, 2024

District Supervisor
Oil Conservation Division, District 2
506 W. Texas Ave.
Artesia, New Mexico 88210

Re: Closure Report

ConocoPhillips - Heritage COG Operating, LLC
Cottonwood 36 State SWD #001 Release
on behalf of Solaris Water Midstream LLC (371643)
Unit Letter K, Section 36, Township 25 South, Range 26 East
Eddy County, New Mexico
Incident ID# NAB1714231263
2RP-4213

Dear Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (COPC) to evaluate and remediate an historical release that occurred when a hose disconnected during the unloading of fluids into the Cottonwood 36 State SWD #001. The approximate release site coordinates are 32.0844536°, -104.2486954°, located in the Public Land Survey System (PLSS) Unit Letter K, Section 36, Township 25 South, Range 26 East, Eddy County, New Mexico (Site). The Site location is shown on Figures 1 and 2. The facility is currently operated by Solaris Water Midstream, LLC.

BACKGROUND

According to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Initial Report (Appendix A), the release was discovered on May 15, 2018. Approximately 7 barrels (bbls) of produced water and 0.1 bbl of oil were released, of which 6 bbls of produced water were reported recovered. The NMOCD received the initial C-141 on May 19, 2018, and subsequently assigned the release the Remediation Permit (RP) number 2RP-4213 and the Incident ID NAB1714231263.

The Cottonwood 36 State SWD #001 Release (2RP-4213/NAB1714231263) is included in an Agreed Compliance Order ("ACO") with the NMOCD, related to unresolved releases from COPC's predecessor-ininterest ("COG"). The ACO required COPC to submit characterization and/or remediation plans with proposed timeframes for the ongoing corrective actions or remediations identified to the NMOCD no later than March 31, 2022.

As of March 11, 2022, COPC has submitted characterization and remediation plans for all of the properties identified and owned. All documentation was submitted in accordance with ACO terms. These documents have been submitted to the NMOCD via CentreStack, a Secure Access & File Sharing platform, at the direction of Mr. Bradford Billings, NMOCD. The Delineation Workplan previously completed by COG was included as a portion of the ACO.

LAND OWNERSHIP

According to the NMOCD Oil and Gas Map, the site is located on land owned by the BLM. Prior to remedial activities, the appropriate parties were contacted and informed of the work. Additionally remedial activities were coordinated with Aris Water Vice President of Environmental Compliance, Rob Kirk.

SITE CHARACTERIZATION

A site characterization was performed by COG to determine application of Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. The COG Site Characterization was included in the NMOCD-approved Work Plan and is presented in Appendix B.

Depth to groundwater at the Site is estimated to be less than 50 feet below ground surface (bgs) based on the closest permitted groundwater well data. In addition, a water well was reported in Section 22 with a depth to water of 118 feet below ground surface (bgs).

The closest continuously flowing or significant watercourse to the Site is an intermittent stream, located approximately 2,780 feet (0.53 miles) northwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is in an area of high karst potential.

REGULATORY FRAMEWORK

Based upon the release footprint 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 RRALs for the Site are as follows:

| Constituent | RRAL/Reclamation Requirement |
|-------------------|------------------------------|
| Chloride | 600 mg/kg |
| TPH (GRO+DRO+ORO) | 100 mg/kg |
| BTEX | 50 mg/kg |

SITE ASSESSMENT AND COG WORK PLAN

On September 5, 2017, COG personnel were onsite to conduct site assessment. Four (4) borings (AH-1 through AH-4) were installed using a hand auger to a maximum depth of 1-foot bgs. On October 10 and 11, 2017, COG personnel were onsite to complete vertical delineation and collect background data. Four (4) trenches (T-1 through T-4) were installed at corresponding hand auger locations. A liner was encountered at 3 to 4 ft bgs in the areas of AH-3/T3 and AH-4/T4. The assessment sampling locations are indicated on Figure 3.

Eighteen (18) soil samples were collected within the release extent to a maximum depth of approximately 5 ft bgs. Additionally, five (5) soil samples were collected from the background location. Soil samples were sent to Permian Basin Environmental Lab, LP and were analyzed for TPH by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. The assessment results are summarized in Table 1.

A Work Plan describing the Site assessment and proposed remedial activities, was submitted by Concho dated November 9, 2018. The Work Plan proposed the excavation of the area of trenches T2, T3 and T4 to a depth of 3 to 4 ft bgs, and area of T1 to a depth of 0.5 to 1-foot bgs.

The Work Plan was approved by NMOCD on April 26, 2023, with the following comments:

Remediation plan approved. The area must be horizontally delineated during remediation activities.
Base and side wall samples must be representative of no more than 200 square feet. 2RP-4213
closed. Refer to incident #NAB1714231263 in all future correspondence. Submit a complete report
through the OCD Permitting website by 7/26/2023.

Figure 3 shows the initial reported release extent and the 2017 soil boring and trench locations as depicted in the Work Plan. A copy of the approved Work Plan is available on the NMOCD online incident files. Regulatory correspondence is included in Appendix C.

C-145 CHANGE IN OPERATOR

Solaris Water Midstream LLC (371643) acquired the Cottonwood 36 State SWD #001 Release (NAB1714231263) formerly operated by COG (229137); however, COG retained environmental liability and the site is included in the ACO-R with the NMOCD, related to unresolved releases from ConocoPhillips's predecessor-in-interest ("COG"). A C-145 was submitted and approved by the OCD for a change in operator from COG to Solaris, in December 2019.

REMEDIAL ACTIVITIES AND CONFIRMATION SAMPLING

From April 30 to May 7, 2024, Tetra Tech personnel were onsite to supervise the remedial activities proposed in the approved Work Plan, including excavation, disposal, and confirmation sampling. Prior to confirmation sampling, on April 26, 2024, the NMOCD district office was notified via the OCD Portal in accordance with Subsection D of 19.15.29.12 NMAC. Documentation of associated regulatory correspondence is included in Appendix C.

Impacted soils were excavated as indicated in Figure 4. The areas within the release footprint were excavated to a maximum depth of 4 feet below surrounding grade. As stipulated in the approved Work Plan, the remedial action area was horizontally delineated during remediation activities. The area initially proposed in the approved Work Plan was widened based on in-field screening results. Due to safety concerns associated with working around the subsurface saltwater disposal line, impacted soils were excavated by hand/hydro-excavation within 4 feet of subsurface lines. Heavy machinery remained outside this buffer zone to avoid any associated risk or disturbance. Photographs from the excavated areas prior to backfill are provided in Appendix D.

All excavated material was transported offsite for proper disposal. Approximately 288 cubic yards of material were transported to the R360 Red Bluff Landfill in Orla, Texas. Copies of the waste manifests are included in Appendix E.

Following excavation, confirmation floor and sidewall samples were collected and submitted for laboratory analysis to verify efficacy of remediation activities. Per the NMOCD approved confirmation sampling plan, confirmation samples were collected such that each discrete sample (sidewall and floor) was representative of no more than 200 square feet of excavated area. Areas of excavation associated with exceedances of the Site RRALs were expanded horizontally. Iterative confirmation samples were located to encompass the original sample locations that triggered removal (nomenclature defined in Table 4) post-additional excavations. A total of ten (10) confirmation floor sample locations and seven (7) confirmation sidewall sample locations were used during remedial activities. Confirmation sidewall sample locations were categorized with the cardinal direction (N, E, S, W) followed by SW-#. Confirmation floor sample locations were labeled with "FS"-#. Excavated areas, depths and confirmation sample locations are indicated in Figure 4.

Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Cardinal. The soil samples were analyzed for TPH (GRO+DRO+MRO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chlorides by SM4500Cl-B. The analytical results were directly compared to the established Site RRALs to demonstrate compliance.

The results of the May 2024 confirmation sampling events are summarized in Table 2. All final confirmation soil samples (floor and sidewall) were below applicable cleanup levels for chloride, TPH, and BTEX. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix F.

RECLAMATION ACTIVITIES

Once acceptable confirmation sample results were received, the excavation was backfilled with clean material to pre-release grade. In accordance with 19.15.29.12 NMAC, the backfilled area contained non-waste containing, uncontaminated, material with chloride concentrations less than 600 mg/kg as analyzed by SM4500Cl-B. One (1) representative 5-point composite sample was collected from the backfill material used for the backfill of the project site. Soil backfill composite sampling results are summarized in Table 3. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix F.

CONCLUSION

ConocoPhillips respectfully requests closure of the incident based on the confirmation sampling results and remedial activities performed. The final C-141 forms are enclosed in Appendix A.

If you have any questions concerning the remediation activities for the Site, please call me at (512) 560-9064 or Christian at (512) 338-2861.

Sincerely,

Tetra Tech, Inc.

Nicholas M. Poole, G.I.T.

Project Manager

CC:

Mr. Ike Tavarez, RMR - ConocoPhillips

Mr. Rob Kirk, Aris Water

Christian M. Llull, P.G. Program Manager

LIST OF ATTACHMENTS

Figures:

- Figure 1 Overview Map
- Figure 2 Site Location/Topographic Map
- Figure 3 Approximate Release Extent and Site Assessment (COG)
- Figure 4 Remediation Extent and Confirmation Sample Locations

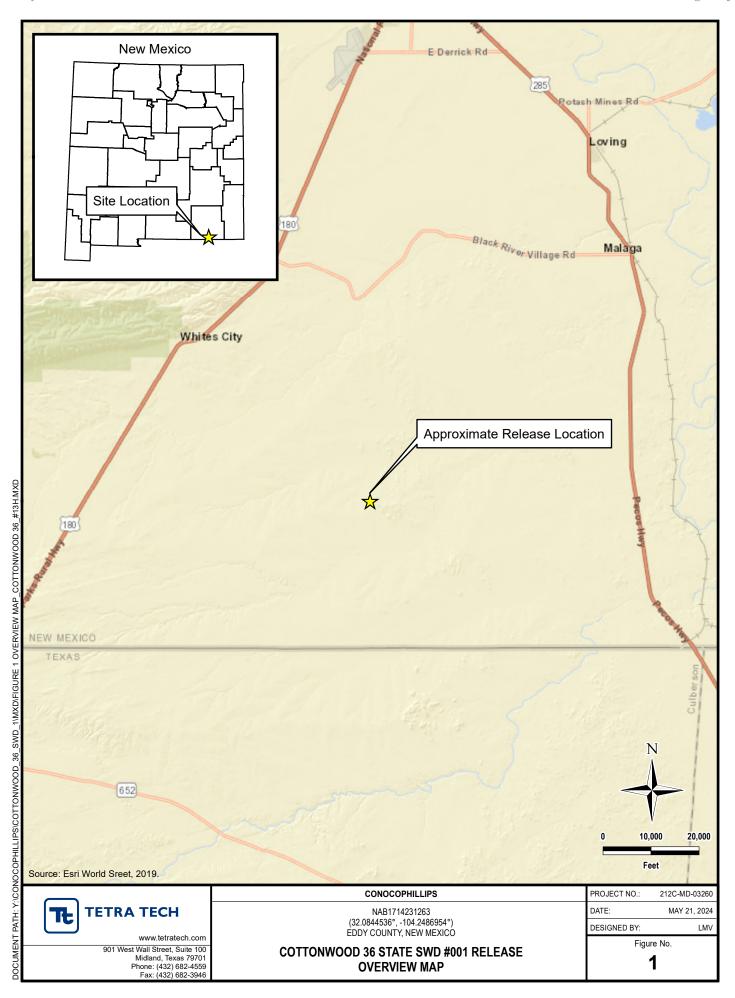
Tables:

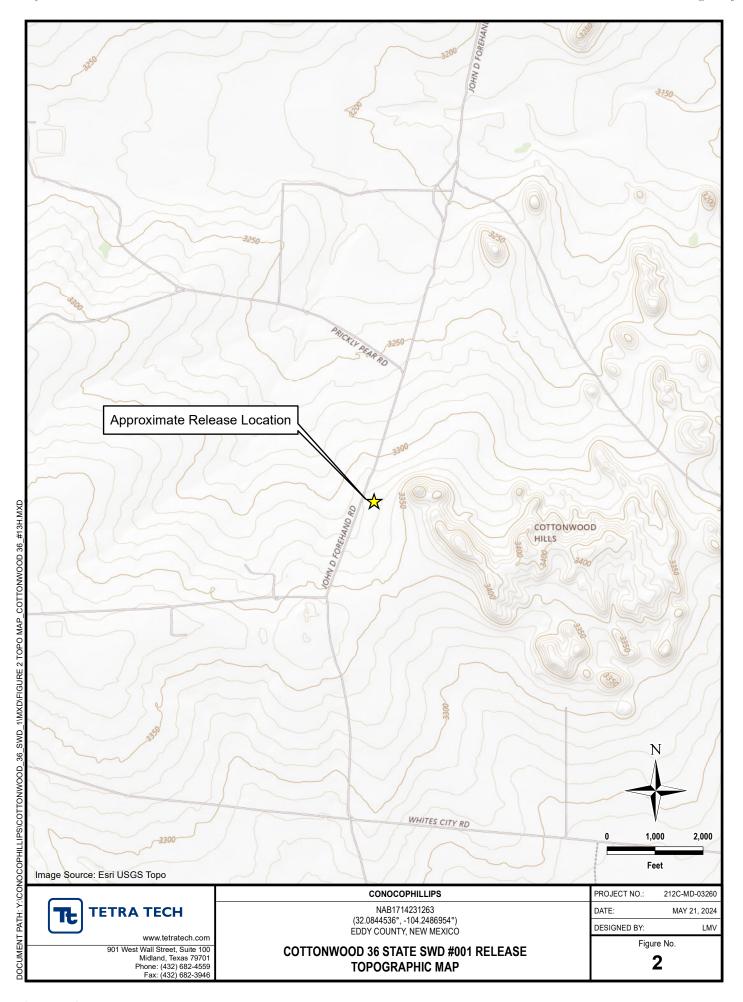
- Table 1 Summary of Analytical Results COG Soil Assessment (2017)
- Table 2 Summary of Analytical Results Confirmation Sampling
- Table 3 Summary of Analytical Results Backfill Composite

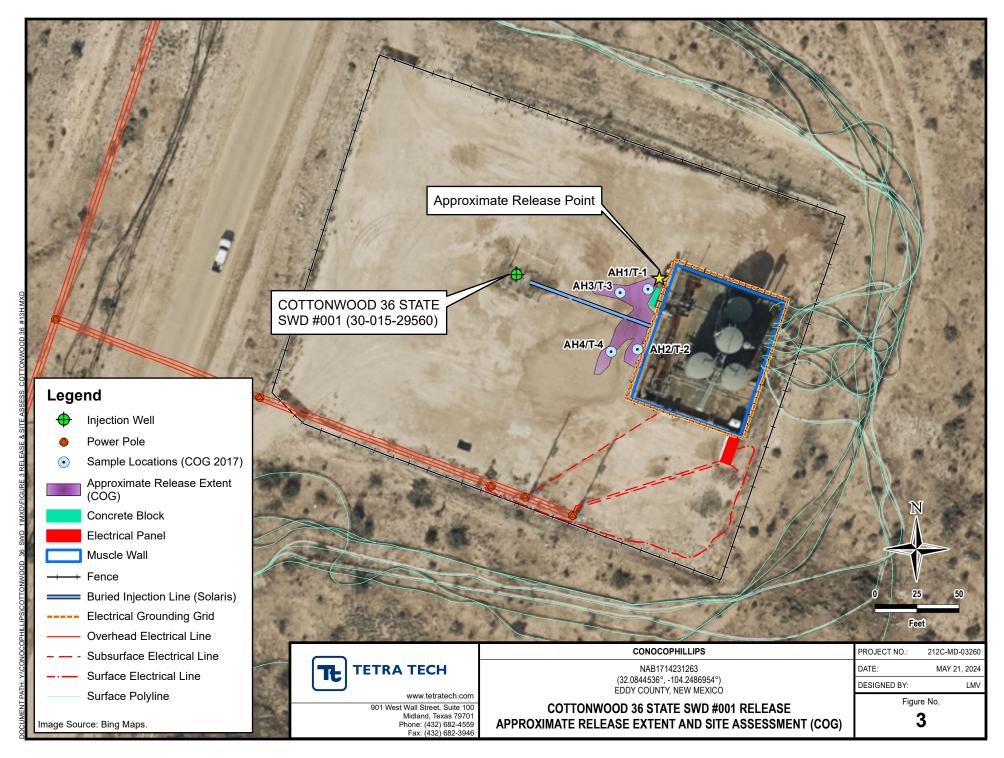
Appendices:

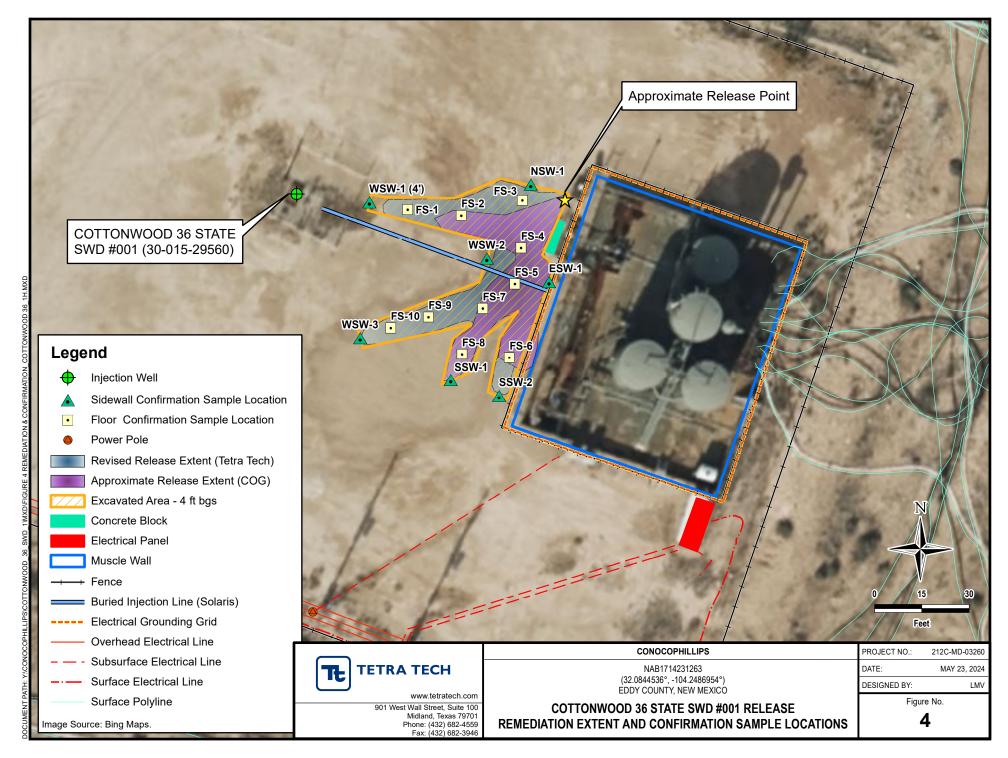
- Appendix A C-141 Forms
- Appendix B Site Characterization
- Appendix C Regulatory Correspondence
- Appendix D Photographic Documentation
- Appendix E Waste Manifests
- Appendix F Laboratory Analytical Data

FIGURES









TABLES

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TABLE 1

SUMMARY OF ANALYTICAL RESULTS

2017 SOIL ASSESSMENT (CONCHO) - NAB1714231263

CONOCOPHILLIPS

COTTONWOOD 36 STATE SWD #001 RELEASE

EDDY COUNTY, NM

| | | | | | | BTEX ² | | | | | | | | | | TPH ³ | | | | | | | | |
|------------------|--------------|--------------|-----------------------------------|----|---------|-------------------|--------|----------|----------|------|---------------|----|------------|-----|----------------------------------|------------------|-------------------------------------|----|-------------------------------------|----|------------------|--|--|--|
| Sample ID Sample | Samula Data | Sample Depth | ample Depth Chloride ¹ | | Benzene | | Toluen | | Ethylben | | Total Xyle | | Total B | rev | GRO | | DRO | | ORO |) | Total TPH | | | |
| | Sample Date | | | | | | Toluen | Totalene | | zene | rotal Aylenes | | TOTAL BIEX | | C ₆ - C ₁₂ | | > C ₁₂ - C ₂₈ | | > C ₂₈ - C ₃₅ | | (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 | Q | mg/kg | | | |
| AH1 | 9/5/2017 | 0' - 0.5' | 2,080 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | - | | | |
| | -,-, | 0.5' - 1.0' | 530 | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | |
| T1@AH1 | 10/10/2017 | 3' | 179.52 | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | |
| AH2 | 9/5/2017 | 0' - 0.5' | 3,720 | | ND | | ND | | ND | | ND | | ND | | ND | | 405 | | 273 | | 678 | | | |
| AHZ | 9/3/2017 | 0.5' - 1.0' | 2,950 | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | |
| | | 2' | 725.18 | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | |
| T2@AH2 | 10/11/2017 | 3' | 728.76 | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | |
| | 4' | 145.69 | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | | |
| 4112 | AH3 9/5/2017 | 0' - 0.5' | 8,320 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | - | | | |
| AH3 | | 0.5' - 1.0' | 7,620 | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | |
| | | 2' | 2480.6 | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | |
| T3@AH3 | 10/11/2017 | 3' | 695.50 | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | |
| 13@AH3 | 10/11/2017 | 4' | 348.86 | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | |
| | | 5' | 142.79 | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | |
| 4114 | 9/5/2017 | 0' - 0.5' | 3,460 | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | ND | | - | | | |
| AH4 | 9/5/2017 | 0.5' - 1.0' | 5,380 | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | |
| 740444 | 40/44/2047 | 2' | 1373.3 | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | |
| T4@AH4 | 10/11/2017 | 3' | 1448.1 | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | |
| | | 0' | <4.9213 | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | |
| | | 1' | <24.851 | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | |
| BACKGROUND | 10/11/2017 | 2' | 98.840 | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | |
| | | 3' | 89.792 | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | |
| | | 4' | 7391.8 | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | NA | | | |

NOTES:

ft.

Below ground surface bgs mg/kg Milligrams per kilogram

Analyte not detected at or above the reporting limit

NA Sample not analyzed for analyte

Total Petroleum Hydrocarbons TPH

GRO Gasoline range organics Diesel range organics

ORO Oil range organics

EPA 300.0

Method 8021B Method 8015M

Bold and italicized values indicate exceedance of proposed RRALs and/or Reclamation Requirements.

Shaded rows indicate intervals proposed for excavation.

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TABLE 2

SUMMARY OF ANALYTICAL RESULTS

2024 SOIL CONFIRMATION SAMPLING - NAB1714231263

CONOCOPHILLIPS

COTTONWOOD 36 STATE SWD #001 RELEASE

EDDY COUNTY, NM

| | | | | | | | BTEX ² | | | | | | | | | | TPH ³ | | | | | | |
|---------------|-------------|--------------|---------|----------------|---------|---|-------------------|---|--------------|------|---------------|------|------------|---|----------------------------------|---|-------------------------------------|---|-------------------------------------|----|-------------------|--|--|
| Sample ID Sam | Sample Date | Sample Depth | Chlorid | e ¹ | Benzene | | Toluene | | Ethylben | 7000 | Total Xyle | onor | Total BTEX | | GRO | | DRO | | EXT DI | RO | Total TPH | | |
| | Sample Date | | | | | | | | za., wenzene | | Total Aylenes | | Total BIEX | | 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 | Q | mg/kg | | |
| FS-1 | 5/2/2024 | 4 | 176 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | - | | |
| FS-2 | 5/2/2024 | 4 | 208 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | - | | |
| FS-3 | 5/2/2024 | 4 | 256 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | - | | |
| FS-4 | 5/2/2024 | 4 | 272 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | - | | |
| FS-5 | 5/2/2024 | 4 | 208 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | - | | |
| FS-6 | 5/6/2024 | 4 | 80 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | - | | |
| FS-7 | 5/6/2024 | 4 | 192 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | - | | |
| FS-8 | 5/6/2024 | 4 | 80 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | - | | |
| FS-9 | 5/6/2024 | 4 | 176 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | - | | |
| FS-10 | 5/6/2024 | 4 | 64 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | Ē | | |
| NSW - 1 | 5/2/2024 | - | 256 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | - | | |
| ESW - 1 | 5/6/2024 | = | 336 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | = | | |
| SSW - 1 | 5/6/2024 | - | 48 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | - | | |
| SSW - 2 | 5/6/2024 | - | 160 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | - | | |
| WSW - 1 | 5/2/2024 | = | 912 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | = | | |
| * WSW-1 (4') | 5/6/2024 | = | 400 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | - | | |
| WSW - 2 | 5/2/2024 | - | 448 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | - | | |
| WSW - 3 | 5/6/2024 | - | 160 | | < 0.050 | | < 0.050 | l | < 0.050 | l | < 0.150 | l | < 0.300 | | <10.0 | | <10.0 | l | <10.0 | | - | | |

NOTES:

ft. Feet bgs Below ground surface

mg/kg Milligrams per kilogram

Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

Method SM4500Cl-B Method 8015M

Method 8021B

Bold and italicized values indicate exceedance of Site RRALs approved by the NMOCD.

Green highlight represents soil intervals that were removed during horizontal expansion of excavation sidewalls.

* These iterative samples are located to encompass the original sample location that triggered removal, with further excavation in each area indicated in ().

TABLE 3

SUMMARY OF ANALYTICAL RESULTS 2024 SOIL BACKFILL - NAB1714231263

CONOCOPHILLIPS

COTTONWOOD 36 STATE SWD #001 RELEASE

EDDY COUNTY, NM

| | | | | | | | | ВТЕХ | 2 | | | | | | | | TI | PH ³ | | | | | | | | | | | | | | |
|----------------------|-------------|-----------------------|---|-----------------------|----|-----------------------|----|-----------------------|------|-----------------------|-------|-----------------------|----|---------------------------------|----|-----------------------|-----------------|-----------------------|-----|-------------------|--|---------------|--|------------|--|-----|--|-----|--|---------|--|-----------|
| Sample ID | Sample Date | Chloride ¹ | | Chloride ¹ | | Chloride ¹ | | Chloride ¹ | | Chloride ¹ | | Chloride ¹ | | Chloride ¹ | | Benzene | | Toluene | | Ethylbenzene | | Total Xylenes | | Total BTEX | | GRO | | DRO | | EXT DRO | | Total TPH |
| Sample 1D | Sample Date | | | Delizei | ie | Toluel | ie | Ethylben | zene | TOTAL AY | elles | TOTAL DI | EA | C ₆ - C ₁ | .0 | > C ₁₀ - 0 | C ₂₈ | > C ₂₈ - 0 | -36 | (GRO+DRO+EXT DRO) | | | | | | | | | | | | |
| | | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | | | | | | | | | | | | |
| BACKFILL - COMPOSITE | 5/3/2024 | 32 | | <0.050 | | <0.050 | | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | | <10.0 | | - | | | | | | | | | | | | |

NOTES:

bgs Below ground surface mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

Method 8015M

DRO Diesel range organics

1 Method SM4500CI-B

2 Method 8021B

APPENDIX A C-141 Forms

State of New Mexico Energy Minerals and Natural Resources

Revised August 8, 2011
Submit 1 Copy to appropriate District Office in

Form C-141

Final Report

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19,15,29 NMAC.

Release Notification and Corrective Action

OPERATOR

| | | | | UURID # 229 | 13/ | Comact: | - | Robert Miche | |
|---|--|---|---|---|---------------------------------|---|--|---|--|
| Address: | | | | lland TX 79701 | | Telephone N | | 432-683-7443 | <u> </u> |
| Facility Nan | ne: Cotton | wood 36 Sta | te SWD | #1 | | Facility Typ | e: SWD | | |
| Surface Own | ner: Fe | deral | | Mineral C | wner: | State | | API No. | 30-015-29560 |
| | | | | LOCA | TIO | N OF REI | EASE | | |
| Unit Letter | Section | Township | Range | Feet from the | North | /South Line | Feet from the | East/West Line | County |
| K | 36 | 25S | 26E | 1980 | | South | 1980 | West | Eddy |
| | | | | | | - | e -104.2486954 | | |
| Type of Rele | nea: | | | NAT | URE | Volume of | | Volume R | occupred: |
| Oil & Produced Water | | | | | | | ls Oil & 7 bbls PV | | 6 bbls PW |
| Source of Re | lease; | Tenal: Hal | andina | | | I | our of Occurrence | | Hour of Discovery: |
| Was Immedia | ate Notice (| Truck Unl | oaumg | | | If YES, To | 15, 2017 2:15 pm Whom? | P | May 15, 2017 2:15 pm |
| *************************************** | | | Yes 🗵 | No 🛛 Not Ro | equired | 1, 120, 10 | ··· BOBL | | 28 |
| | | By Who | om? | | | Date and H | | | |
| Was a Watercourse Reached? ☐ Yes ☑ No If YES, Volume Impacting the Watercourse. | | | | | | | | | |
| If a Watercou | irse was Im | nacted Descr | ibe Fully * | | | | | | |
| II a Watercot | iise was iii | pacied, Desci | ioc r uny. | | | | | | |
| Describe Cau | se of Probl | em and Reme | dial Action | Taken.* | | | | | |
| TCS truck dr | iver's hose | disconnected | from PCC | while unloading | into SV | VD TCS is rer | nediating the site. | | |
| Describe Are | | | | | iiito 5 v | V D. 1 C B 13 1 C 1 | nediating the site. | | |
| The release w | vas on locat | ion. A vacuun | n truck wa | s dispatched to re | move a | ll freestanding | fluids. TCS Truc | king is to remediat | e the site to NMOCD and BLM |
| regulations a public health should their o or the environ | Il operators or the envi operations h nment. In a | are required to ronment. The save failed to a | o report ar acceptant adequately OCD accep | nd/or file certain rece of a C-141 reputer investigate and re | elease r ort by th emedia | notifications ar ne NMOCD ma te contaminati | nd perform correct arked as "Final Roon that pose a three the operator of the operator op | tive actions for rele eport" does not reli eat to ground water responsibility for co | uant to NMOCD rules and ases which may endanger eve the operator of liability , surface water, human health ompliance with any other |
| Signature: 1 | lelen | - Herry | 111 | | | | OIL CONS | SERVATION | DIVISION |
| Printed Name | | Rebecca | Haskeli | | | Approved by | Environmental S | aggiglist: | |
| Title: | | Senior HS | SE Coordi | nator | | Approval Dat | | Expiration 1 | Date: Attached |
| E-mail Addre | ess: | rhaskell@ | concho.c | <u>om</u> | | Conditions of | Approval: | | Attached |
| Date: May 19 | 9, 2017 | Phone: | 432-683 | -7443 | | | 70 | | |
| Attach Addi | tional She | ets If Necess | sary | - | | | | | |
| | | | | | | | | | 1 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | , and the second second |
| | | | | | | | | | |
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| | | | | | | | | | |
| | | | | | | | | | |

Marke of New Mexico

| Incident ID | |
|----------------|----------|
| District RP | 2RP 4213 |
| 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.

| <u><50</u> (ft bgs) | | | | | | | |
|---|--|--|--|--|--|--|--|
| ☐ Yes ⊠ No | | | | | | | |
| ☐ Yes ⊠ No | | | | | | | |
| ☐ Yes ⊠ No | | | | | | | |
| ☐ Yes ⊠ No | | | | | | | |
| ☐ Yes ⊠ No | | | | | | | |
| ☐ Yes ⊠ No | | | | | | | |
| ☐ Yes ⊠ No | | | | | | | |
| ☐ Yes ⊠ No | | | | | | | |
| ☐ Yes ⊠ No | | | | | | | |
| ⊠ Yes □ No | | | | | | | |
| ☐ Yes ⊠ No | | | | | | | |
| ⊠ Yes □ No | | | | | | | |
| tical extents of soil | | | | | | | |
| | | | | | | | |
| 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.

Received by OCD: 6/19/2024 1:54:04 PMI State of New Mexico Page 4 Oil Conservation Division Page 18 of 99

| Incident ID | |
|----------------|----------|
| District RP | 2RP 4213 |
| Facility ID | |
| Application ID | |

| public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a the | otifications and perform corrective actions for releases which may endanger e OCD does not relieve the operator of liability should their operations have |
|--|---|
| Printed Name: <u>Ike Tavarez</u> | Title: Senior HSE Supervisor |
| Signature: | Date: <u>11/4/18</u> |
| email: <u>itavarez@concho.com</u> | Telephone: <u>432-683-7443</u> |
| OCD Only | |
| Received by: | Date: |

Page 19 of 99

Incident ID
District RP 2RP 4213
Facility ID
Application ID

Remediation Plan

| Remediation Plan Checklist: Each of the following items must be included in the plan. | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) | | | | | | | | |
| Deformed Beaucate Only: Each of the following items must be confirmed as most of any request for deformed of roundiation | | | | | | | | |
| <u>Deferral Requests Only</u> : Each of the following items must be confirmed as part of any request for deferral of remediation. | | | | | | | | |
| Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. | | | | | | | | |
| Extents of contamination must be fully delineated. | | | | | | | | |
| Contamination does not cause an imminent risk to human health, the environment, or groundwater. | | | | | | | | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | | | | | | | | |
| Printed Name: <u>Ike Tavarez</u> Title: <u>Senior HSE Supervisor</u> | | | | | | | | |
| Signature: Date: Date: | | | | | | | | |
| email: i <u>tavarez@concho.com</u> Telephone: <u>432-683-7443</u> | | | | | | | | |
| | | | | | | | | |
| OCD Only | | | | | | | | |
| Received by: Date: | | | | | | | | |
| ☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved | | | | | | | | |
| Signature: Date: 4/26/2023 | | | | | | | | |

Received by OCD: 6/19/2024 1:54:04 PM Form C-141 State of New Mexico Page 6 Oil Conservation Division

| | Page 20 of 99 |
|----------------|---------------|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

Closure

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

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

| A scaled site and sampling diagram as described in 19.15.29.1 | 1 NMAC | | | | | |
|--|---|--|--|--|--|--|
| Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection) | of the liner integrity if applicable (Note: appropriate OCD District office | | | | | |
| Laboratory analyses of final sampling (Note: appropriate ODC | C District office must be notified 2 days prior to final sampling) | | | | | |
| Description of remediation activities | | | | | | |
| | | | | | | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. | | | | | | |
| Printed Name: | Title: | | | | | |
| Signature: | Date: | | | | | |
| email: | Telephone: | | | | | |
| | | | | | | |
| OCD Only | | | | | | |
| Received by: | Date: | | | | | |
| Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. | | | | | | |
| Closure Approved by: | Date: | | | | | |
| Printed Name: | Title: | | | | | |

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 Sub- | | QQQ | | | | | | | Depth | Depth Water |
|------------|-------------|--------|---------|-----|-----|-----|--------|------------|----------|-------|--------------|
| POD Number | Code basin | County | 64 16 4 | Sec | Tws | Rng | X | Υ | Distance | Well | Water Column |
| C 01013 | С | ED | 4 | 25 | 25S | 26E | 571505 | 3551456* 🌍 | 1536 | 245 | |
| C 02221 | CUB | ED | 4 3 2 | 25 | 25S | 26E | 571412 | 3551961* 🌍 | 1984 | 35 | |
| C 02220 | CUB | ED | 3 1 2 | 26 | 25S | 26E | 569598 | 3552352* | 2650 | 35 | |

Average Depth to Water:

Minimum Depth:

Maximum Depth:

Record Count: 3

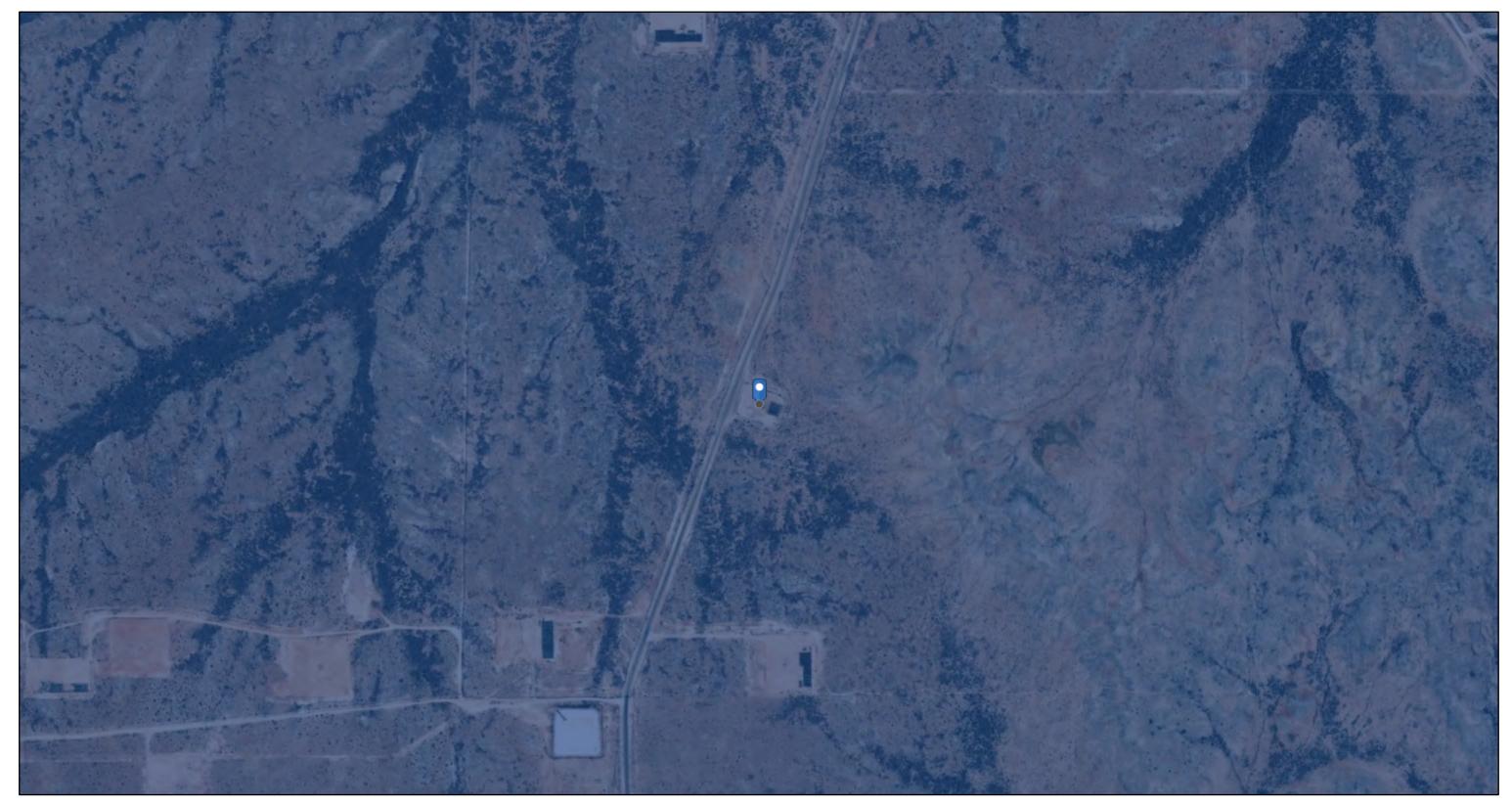
UTMNAD83 Radius Search (in meters):

Radius: 3200 Easting (X): 570900.5 Northing (Y): 3550043.72

*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.

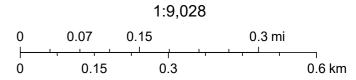
Cottonwood 36 State SWD #1 - Karst Potential Map



5/16/2024, 10:06:04 AM

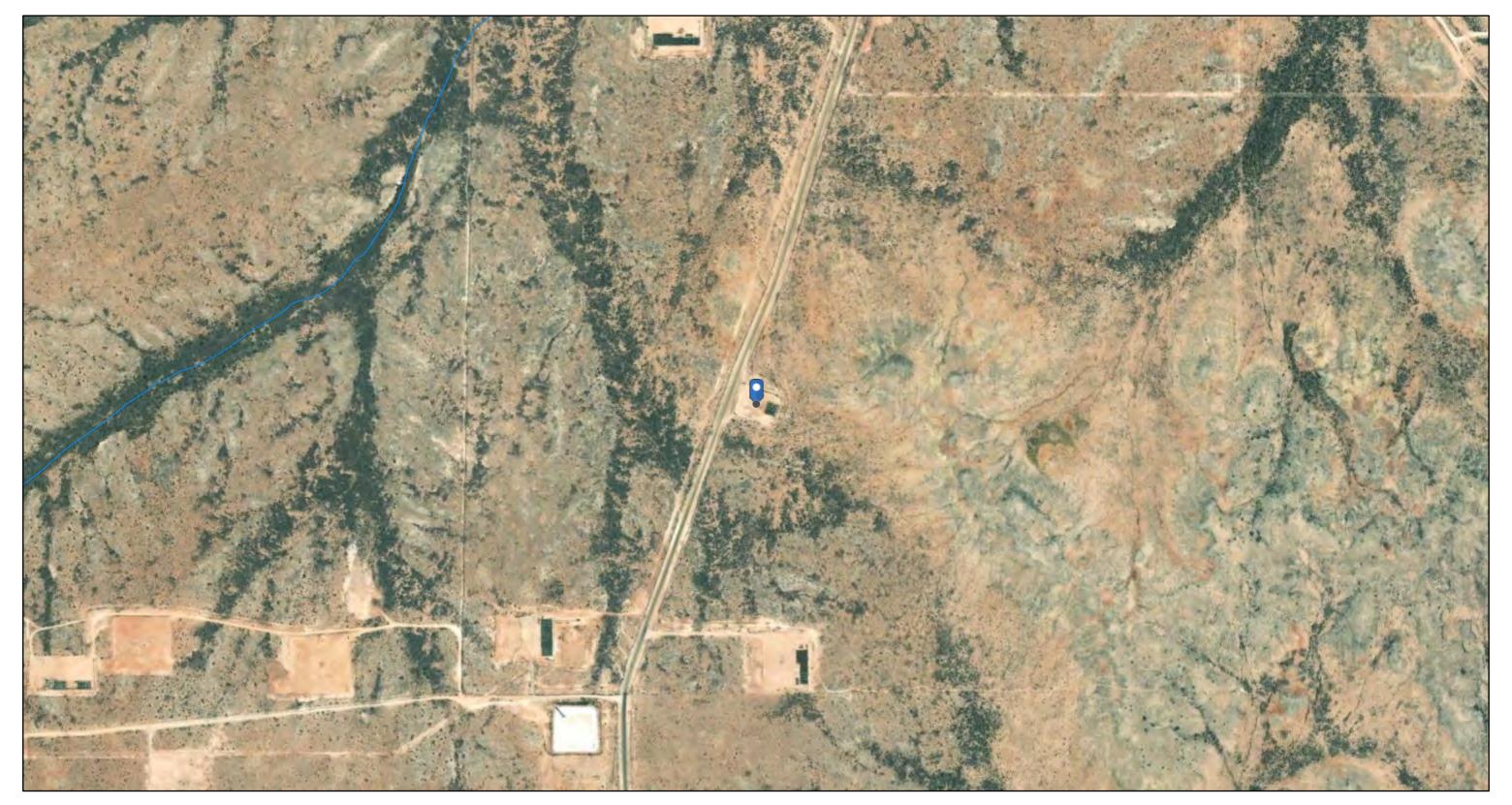
Karst Occurrence Potential

High



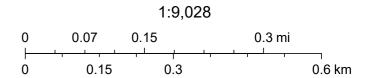
BLM, OCD, New Mexico Tech, Esri, HERE, Garmin, iPC, Maxar

Cottonwood 36 State SWD #1 - Waterbodies Map



5/16/2024, 10:09:05 AM

OSE Streams



Esri, HERE, Garmin, iPC, Maxar, NM OSE

Received by OCD: 6/19/2024 1:54:04 PM National Flood Hazard Layer FIRMette



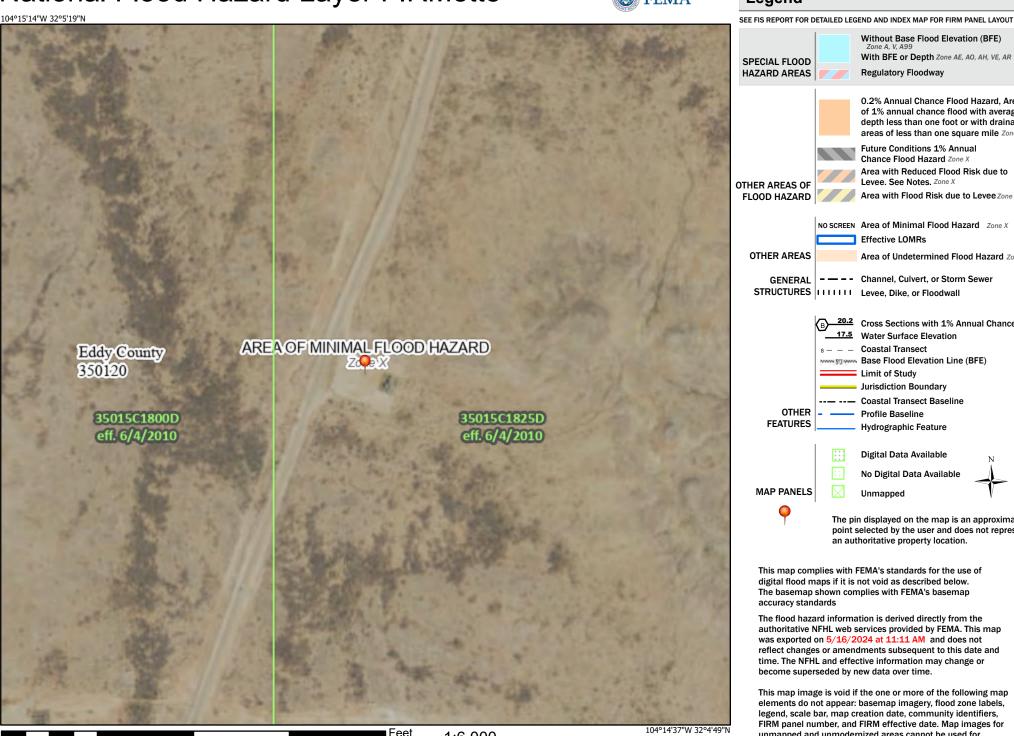


Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone D NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLIL Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary --- Coastal Transect Baseline OTHER **Profile Baseline FEATURES** Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/16/2024 at 11:11 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

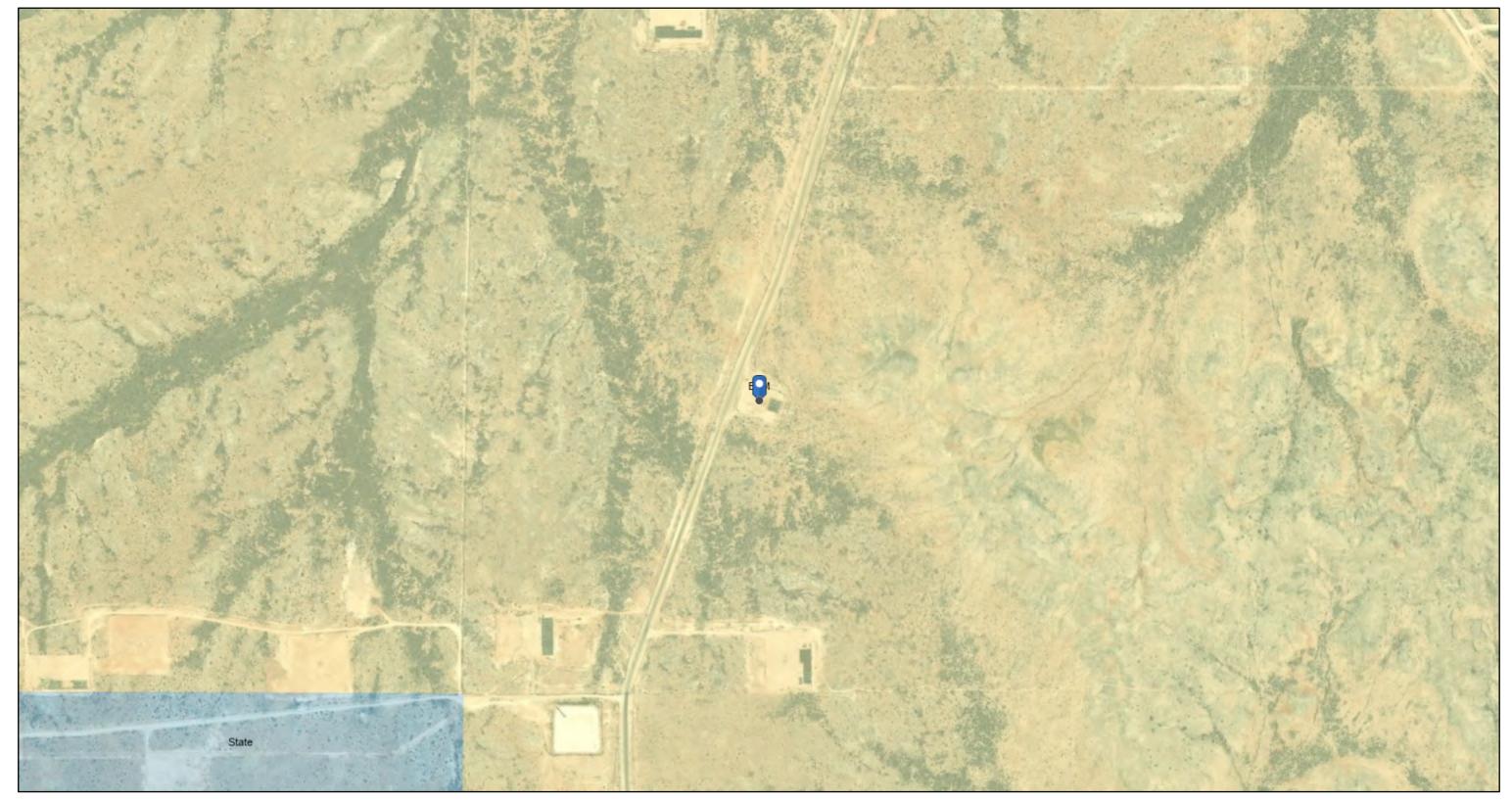
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



^OReleasea To Imaging: 7/3/2024 1:999.24 PM

2,000

Cottonwood 36 State SWD #1 - Land Ownership Map

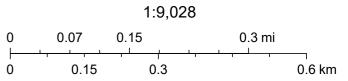


5/16/2024, 10:07:20 AM

Land Ownership

BLM

s

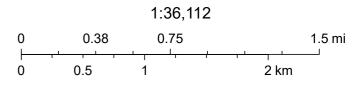


U.S. BLM, Esri, HERE, Garmin, iPC, Maxar

Cottonwood 36 State SWD #1 - Active Mines



5/16/2024, 10:21:42 AM



Maxar

APPENDIX C Regulatory Correspondence

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 206232

CONDITIONS

| Operator: | OGRID: |
|------------------------------|--|
| SOLARIS WATER MIDSTREAM, LLC | 371643 |
| 907 Tradewinds Blvd, Suite B | Action Number: |
| Midland, TX 79706 | 206232 |
| | Action Type: |
| | [IM-SD] Incident File Support Doc (ENV) (IM-BNF) |

CONDITIONS

| Created By | Condition | Condition Date |
|---------------|--|-------------------|
| bhall | Remediation plan approved. The area must be horizontally delineated during remediation activites. Base and side wall samples must be representative of no more than 200 square feet. 2RP-4213 closed. Refer to incident #NAB1714231263 in all future correspondence. Submit a complete report through the OCD Permitting website by 7/26/2023. | 4/26/2023 |

From: OCDOnline@state.nm.us

To: <u>Llull, Christian</u>

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 338159

Date: Friday, April 26, 2024 9:03:01 PM

CAUTION: This email originated from an external sender. Verify the source before opening links or attachments.

To whom it may concern (c/o Christian Llull for COG OPERATING LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAB1714231263.

The sampling event is expected to take place:

When: 05/01/2024 @ 10:00

Where: K-36-25S-26E 1980 FSL 1980 FWL (32.0844536,-104.2486954)

Additional Information: [10:49 AM] Poole, Nicholas

Cottonwood 36 State SWD #001 Release

Unit Letter K, Section 36, Township 25 South, Range 26 East

Eddy County, New Mexico

Incident ID NAB1714231263

Additional Instructions: Approximate Release Point 32.0844536 -104.2486954

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

• Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, NM 87505

District III

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 338159

QUESTIONS

| Operator: | OGRID: |
|--------------------|--|
| COG OPERATING LLC | 229137 |
| 600 W Illinois Ave | Action Number: |
| Midland, TX 79701 | 338159 |
| | Action Type: |
| | [NOTIFY] Notification Of Sampling (C-141N) |

QUESTIONS

| Prerequisites | |
|------------------|---|
| Incident ID (n#) | nAB1714231263 |
| Incident Name | NAB1714231263 2017 MINOR A SWS @ 30-015-29560 |
| Incident Type | Produced Water Release |
| Incident Status | Remediation Plan Approved |
| Incident Well | [30-015-29560] COTTONWOOD 36 STATE SWD #001 |

| Location of Release Source | | | |
|----------------------------|--------------|--|--|
| Site Name | Unavailable. | | |
| Date Release Discovered | 05/15/2017 | | |
| Surface Owner | Federal | | |

| Sampling Event General Information | |
|---|---|
| Please answer all the questions in this group. | |
| What is the sampling surface area in square feet | 2,000 |
| What is the estimated number of samples that will be gathered | 20 |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 05/01/2024 |
| Time sampling will commence | 10:00 AM |
| Please provide any information necessary for observers to contact samplers | [10:49 AM] Poole, Nicholas Cottonwood 36 State SWD #001 Release Unit Letter K, Section 36, Township 25 South, Range 26 East Eddy County, New Mexico Incident ID NAB1714231263 |
| Please provide any information necessary for navigation to sampling site | Approximate Release Point 32.0844536 -104.2486954 |

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

CONDITIONS

Action 338159

CONDITIONS

| Operator: | OGRID: |
|--------------------|--|
| COG OPERATING LLC | 229137 |
| 600 W Illinois Ave | Action Number: |
| Midland, TX 79701 | 338159 |
| | Action Type: |
| | [NOTIFY] Notification Of Sampling (C-141N) |

CONDITIONS

| Created | Condition | Condition |
|---------|---|-----------|
| Ву | | Date |
| cllull | Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted. | 4/26/2024 |

APPENDIX D Photographic Documentation



| TETRA TECH, INC. | DESCRIPTION | Site Signage and location information. Solaris Water Midstream, Cottonwood 36 State SWD #1 | 1 |
|------------------------------|-------------|---|-----------|
| PROJECT NO. 212C-MD-03260 | SITE NAME | Cottonwood 36 State SWD #001 Release | 12/8/2023 |



| TETRA TECH, INC. PROJECT NO. | DESCRIPTION | View East. Facility equipment and muscle wall. | 2 |
|------------------------------|-------------|--|-----------|
| 212C-MD-03260 | SITE NAME | Cottonwood 36 State SWD #001 Release | 12/8/2023 |



| TETRA TECH, INC. PROJECT NO. | DESCRIPTION | View East. Load lines, and approximate release location. | 3 |
|------------------------------|-------------|--|-----------|
| 212C-MD-03260 | SITE NAME | Cottonwood 36 State SWD #001 Release | 12/8/2023 |



| TETRA TECH, INC. PROJECT NO. 212C-MD-03260 | DESCRIPTION | View east northeast. Cottonwood 36 State SWD #1 wellhead. | 4 |
|--|-------------|---|-----------|
| | SITE NAME | Cottonwood 36 State SWD #001 Release | 12/8/2023 |



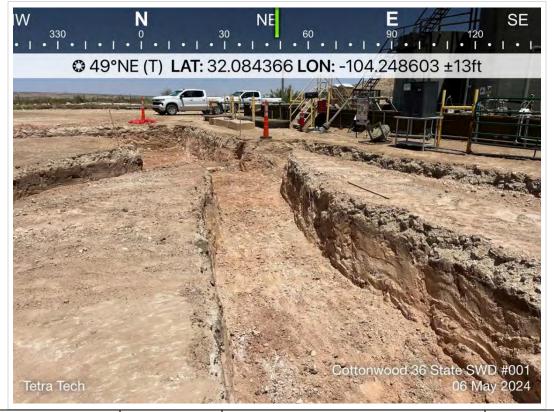
| TETRA TECH, INC. PROJECT NO. 212C-MD-03260 | DESCRIPTION | View southwest. Excavated area 4-foot bgs and buried SWD injection line. | 5 |
|--|-------------|--|----------|
| | SITE NAME | Cottonwood 36 State SWD #001 Release | 9/8/2022 |



| TETRA TECH, INC. PROJECT NO. 212C-MD-03260 | DESCRIPTION | View southeast. Excavated area 4-foot bgs and facility. | 6 |
|--|-------------|---|----------|
| | SITE NAME | Cottonwood 36 State SWD #001 Release | 9/8/2022 |



| TETRA TECH, INC. PROJECT NO. | DESCRIPTION | View west southwest. Excavated area 4-foot bgs and buried SWD injection line. | 7 |
|------------------------------|-------------|---|----------|
| 212C-MD-03260 | SITE NAME | Cottonwood 36 State SWD #001 Release | 9/8/2022 |



| TETRA TECH, INC. PROJECT NO. | DESCRIPTION | View northeast. Excavated area 4-foot bgs. | 8 |
|------------------------------|-------------|--|----------|
| 212C-MD-03260 | SITE NAME | Cottonwood 36 State SWD #001 Release | 9/8/2022 |



| TETRA TECH, INC. PROJECT NO. | DESCRIPTION | View west. Excavated area 4-foot bgs. | 9 |
|------------------------------|-------------|---------------------------------------|----------|
| 212C-MD-03260 | SITE NAME | Cottonwood 36 State SWD #001 Release | 9/8/2022 |



| TETRA TECH, INC. | DESCRIPTION | View northwest. Excavated area 4-foot bgs and buried SWD injection line. | 10 |
|------------------------------|-------------|--|----------|
| PROJECT NO. 212C-MD-03260 | SITE NAME | Cottonwood 36 State SWD #001 Release | 9/8/2022 |



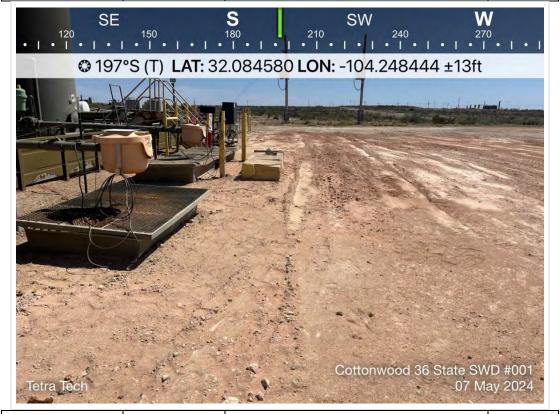
| TETRA TECH, INC. PROJECT NO. | DESCRIPTION | View north northeast. Backfilled area. | 11 |
|------------------------------|-------------|--|----------|
| 212C-MD-03260 | SITE NAME | Cottonwood 36 State SWD #001 Release | 9/8/2022 |



| TETRA TECH, INC. PROJECT NO. | DESCRIPTION | View east northeast. Backfilled area. | 12 |
|------------------------------|-------------|---------------------------------------|----------|
| 212C-MD-03260 | SITE NAME | Cottonwood 36 State SWD #001 Release | 9/8/2022 |



| TETRA TECH, INC. PROJECT NO. | DESCRIPTION | View southeast. Backfilled area. | 13 |
|------------------------------|-------------|--------------------------------------|----------|
| 212C-MD-03260 | SITE NAME | Cottonwood 36 State SWD #001 Release | 9/8/2022 |



| TETRA TECH, INC. PROJECT NO. | DESCRIPTION | View south southwest. Backfilled area. | 14 |
|------------------------------|-------------|--|----------|
| 212C-MD-03260 | SITE NAME | Cottonwood 36 State SWD #001 Release | 9/8/2022 |

APPENDIX E Waste Manifests

| Received by OCD: 6/19/20 R360 ENVIRONMENTAL | 24 1:54:04 PM EXAS NON-HAZAR | | MANIFEST JIRED INFORMATION* | Company Man Raget 42 of 99 n Name INCOMPANY TO THE TANK PRES |
|--|---|--|--|--|
| SOLUTIONS | | | | Phone No. |
| Operator No. | G | Permit/PPC No. Lease/Well | # | 307398 |
| Operators Name Address | THIS | Name & No. County API No. | - 50-217- | ASSOLUTION SOLUTION |
| City, State, Zip Phone No | | Rig Name & No. AFE/PO No. | 87/1 | A LANGE OF THE STATE OF THE STA |
| | MPT E&P Waste/Service Identification and A | | | |
| Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste | NON-INJECTABLE WATERS Washout Water (Non-Injectal Completion Fluid/Flow Back (I Produced Water (Non-Injectal Gathering Line Water/Waste INTERNAL USE ONLY Truck Washout (exempt waste | Non-Injectable) ble) (Non-Injectable) | - Dunne | (type and generation process of the waste) |
| WASTE GENERATION PROCESS: | ☐ DRILLING ☐ COMPLET | ION PRODUC | TION GATHEF | RING LINES |
| All nor | NON-EXEMPT E&P \ 1-exempt E&P waste must be analysed and be bel | | mount LP), Ignitability, Corrosivity adn Re <i>lect from Non-Exempt Waste L</i> | |
| QUANTITY | B-BARRELS | | 16 Y-YARDS | E-EACH |
| packaged, and is in proper condition for the RCRA EXEMPT: RCRA NON-EXEMPT: (PRINT) AUTHORIZED ATTransporter's Name Address Phone No. | GENTS SIGNATURE TR terial(s) was/were picked up at the Generator's signature | oration and production operation and production operation and solution operation and solution and production operation and solution and standard and solution and | Is for waste hazardous by characte ubpart D, as amended. The following SIGNATUR | waste (R360 Accepts certifications on a eristics established in RCRA regulations, ng documentation demonstrating the er (Provide Description Below) |
| IN: OUT: | | OOAL INGILITY | Name/No | 17 |
| Address 5053 US Hw | y 285, Orla, TX 79770 S TAKEN? (Circle One) YES NO | Phone No. If YES, was reading NORM (mR/hr) | 432-448-4239 > 50 micro roentgents? (Circle | a One) YES NO |
| | | NK BOTTOMS | | |
| 1st Guage Peet 2nd Guage Received | Inches | | BS&W Received Free Water Total Received | BS&W (%) |
| I hereby certify that the above load mate | rial has been (circle one): ACCEPTED DATE | DENIED | If denied, why? | SIGNATURE |

don Released to Imaging: 7/3/2024 1:51:24 PM (877) 499-0492 White - ORIGINAL

Blue-TRANSPORTER

Yellow - GENERATOR

308.R360-5160R

| Received by OCD: 6/19/2024 1:54:0 | TENAS NON TIMEAN | | | | 111 | Corage 43 10 199 |
|--|--|---|---|--|--|--|
| GOLUTIONS COLUTIONS | | (PLEASE PRINT) | *REQUIR | RED INFORMATION* | Phone No. | 0 |
| | G | ENERATOR | | NO. | | |
| perator No. | | Pern | nit/RRC No. e/Well | C No. 11 | 331772 | |
| perators Name | | | e & No. | 600 | 1 | |
| ddress | | Cour | | 30-015 | 29560 | |
| ity, State, Zip | | | Name & No. | | | |
| hone No. | | | PO No. | | | |
| | ste/Service Identification and A | mount (place volum | e next to wa | aste type in barrels or c | ubic yards) | |
| Dil Based Muds | NON-INJECTABLE WATERS | | | OTHER EXEMPT WASTES | | ss of the waste) |
| Dil Based Cuttings Vater Based Muds Vater Based Cuttings Produced Formation Solids Fank Bottoms S&P Contaminated Soil | Washout Water (Non-Injectable) Completion Fluid/Flow back (Non-Infectable) Gathering Line Water/Waste (Non-INTERNAL USE ONLY Truck Washout (exempt waste) | | | End | 2-1 | |
| VASTE GENERATION PROCESS: | DRILLING | COMPLETION | | PRODUCTION | GATHERIN | G LINES |
| | NON-EXEMPT E&P V | Vaste/Service Identifica | ation and Amo | unt | | |
| All non-exempt E&P v | waste must be analysed and be below | w the threshold limits for | or toxicity (TCL | P), Ignitability, Corrosivity | | |
| lon-Exempt Other | | *pi | lease select fro | om Non-Exempt Waste Lis | t on back | |
| QUANTITY | B - BARRELS | | | F6 Y-YAR | DS | E - EACH |
| RCRA NON-EXEMPT: load basis only) RCRA NON-EXEMPT: Oil field waste w 261.21-261.24, o hazardous is atta MSDS Information (PRINT) AUTHORIZED AGENTS SIGNATURE Fransporter's Name Address Phone No. hereby certify that the above named material(s) was SHIPMENT DATE | n according to applicable regulation. enerated from oil and gas exploratio hich is non-hazardous that does not or listed hazardous waste as defined be ched. (Check the appropriate items a on RCRA Hazardous TR ARCRA Hazardous | exceed the minimum stoy 40 CFR, part 261, substantial street and provided) Waste Analysis DATE RANSPORTE Driv Prir Pho Tru site listed above and de | R Rer's Name at Name one No. ck No. Elivered without | not mixed with non-exemplaste hazardous by characterized and the following document of the follo | pt waste (R360 Accepts eristics established in Ri mentation demonstrati on Below) SIGNATURE Facility listed below. | CRA regulations, 40 CFR ng the waste as non- |
| TRUCK TIME STAME | DISP | OSAL FACIL | LITY | | ECEIVING ARE | Α. |
| N:OUT: | | | | Name/No | | |
| Site Name/ Permit No. Red Bluff Facility/ STF-065 | | Pho | one No. | 432-448-4239 | | |
| Address 5053 US Highway 285, Orla, TX 79 | 770 | | | | | |
| NORM READINGS TAKEN? (Circle One Chloride Chemical Analysis (Mg/I) | YES NO | Cor | YES, was readinductivity | ing > 50 micro roentgens? | (circle one) YES | NO pH |
| | TA | NK BOTTOM | VIS | | | |
| Feet | Inches | 1 - | pe | &W/BBLS Received | BS&W | (%) |
| 1st Gauge 2nd Gauge | | | 83 | Free Water | B30,VV | 284 |
| Received | | | | Total Received | | |
| I hereby certify that the above load material has b | peen (circle one): ACCEPTED | DENIED | If denied, why | 7/ | | |

SIGNATURE

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Congress 44 of 99

| Name | T | KE | - / | AL | A | DE | Z |
|-------|-----|----|-----|----|---|----|---|
| Phone | No. | | | | | | |

| | | GENERATO | R | NO. 331 | 750 |
|--|--|--|--|--|--|
| Operators Name Address | a thith's | Le Na | rmit/RRC No. ase/Well ime & No. unty | COTTON WOOD | 36 STUTES WC # 00 1 |
| City, State, Zip | | | g Name & No. | | |
| Phone No. | | AF | E/PO No. | | |
| EXEN | APT E&P Waste/Service Ide | ntification and Amount (place volu | The second secon | NAME AND ADDRESS OF THE OWNER, WHEN PERSON O | |
| Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste | Completion Fluid Produced Water | (Non-Injectable) I/Flow back (Non-Injectable) (Non-Injectable) Vater/Waste (Non-Injectable) NLY | OII | HER EXEMPT WASTES (type and ge | neration process of the waste) |
| WASTE GENERATION PROCESS: | DRILLING | COMPLETION | PR | ODUCTION | GATHERING LINES |
| All non- Non-Exempt Other | | ON-EXEMPT E&P Waste/Service Identif lysed and be below the threshold limits | for toxicity (TCLP), I | gnitability, CorrosiVity and Reacti | vity. |
| QUANTITY | | B - BARRELS | | / / Y-YARDS | E - EACH |
| RCRA EXEMPT: load RCRA NON-EXEMPT: Oil 261 haz | d basis only) field waste which is non-hazard | ous that does not exceed the minimum waste as defined by 40 CFR, part 261, s ppropriate items as provided) RCRA Hazardous Waste Analysis | standards for waste ubpart D, as amende | hazardous by characteristics esta | ablished in RCRA regulations, 40 CFR |
| 11 7 | | | | | |
| (PRINT) AUTHORIZED AGENTS SIGNATU | JRE | DAT | | SIGN | ATURE |
| (PRINT) AUTHORIZED AGENTS SIGNATU | JRE | | | SIGN | ATURE |
| (PRINT) AUTHORIZED AGENTS SIGNATU | JRE | TRANSPORT | | SIGN | |
| Transporter's Name Address | JRE THE TALES | TRANSPORT D | river's Name int Name one No. | SIGN VINTERTI A | ATURE NOON O |
| Transporter's Name Address Phone No. | th FHITNER | TRANSPORT D Pr Pr | int Name none No. | VICTOR A | GHASH |
| Transporter's Name Address | th FHITNER | TRANSPORT Dr. Pr. Pr. Tr. t the Generator's site listed above and | int Name none No. uck No. delivered without inc | cident to the disposal facility lister | nd below. |
| Transporter's Name Address Phone No. I hereby certify that the above named most and the service of the service | naterial(s) was/were picked up a | TRANSPORT Dr. Pr. Pr. Tr. t the Generator's site listed above and | int Name none No. uck No. delivered without inc | cident to the disposal facility lister | d below. |
| Transporter's Name Address Phone No. I hereby certify that the above named m SHIPMENT DATE TRUCK TIME IN: OI Site Name/ Permit No. Red Bluff Facility/ | DRIVER'S SIGNATURE STAMP UT: STF-065 | TRANSPORT D Pr Pl Tr t the Generator's site listed above and | int Name int | cident to the disposal facility lister | nd below. |
| Transporter's Name Address Phone No. I hereby certify that the above named m SHIPMENT DATE TRUCK TIME IN: OI Site Name/ Permit No. Red Bluff Facility/ | DRIVER'S SIGNATURE STAMP UT: STF-065 5, Orla, TX 79770 | TRANSPORT Disposal Fac | int Name int Name int Name int Name int No. uck No. delivered without inc | RECEIVING Name/No. | od below. DRIVER'S SIGNATURE NG AREA |
| Transporter's Name Address Phone No. I hereby certify that the above named money and the service of the servic | DRIVER'S SIGNATURE STAMP UT: STF-065 5, Orla, TX 79770 17 (Circle One) YES | TRANSPORT DE PROPERTO DE LA COMPANIA DEL COMPANIA DEL COMPANIA DE LA COMPANIA DE LA COMPANIA DEL COMPANIA DE | int Name int | RECEIVII Name/No. | DRIVER'S SIGNATURE NG AREA YES NO |
| Transporter's Name Address Phone No. I hereby certify that the above named m SHIPMENT DATE TRUCK TIME IN: OI Site Name/ Permit No. Address Red Bluff Facility/ 5053 US Highway 285 NORM READINGS TAKEN Chloride | DRIVER'S SIGNATURE STAMP UT: STF-065 5, Orla, TX 79770 17 (Circle One) YES | TRANSPORT Disposal Fac | int Name int | RECEIVII Name/No. | DRIVER'S SIGNATURE NG AREA YES NO |
| Transporter's Name Address Phone No. I hereby certify that the above named m SHIPMENT DATE TRUCK TIME IN: OI Site Name/ Permit No. Address NORM READINGS TAKEN Chloride Chemical Analysis (Mg/I) Feet 1st Gauge 2nd Gauge | DRIVER'S SIGNATURE E STAMP UT: STF-065 5, Orla, TX 79770 I? (Circle One) YES | TRANSPORT DE PROPERTO DE LA COMPANIA DEL COMPANIA DEL COMPANIA DE LA COMPANIA DE LA COMPANIA DEL COMPANIA DE | int Name int | RECEIVINAME/No. 2-448-4239 50 micro roentgens? (circle one) BBLS Received Free Water | DRIVER'S SIGNATURE NG AREA YES NO PH |

(PLEASE PRINT)

*REQUIRED INFORMATION

| | Company Man Page 45 of 991 |
|------|----------------------------|
| 1.45 | Name The Tovales |
| * | Phone No. 432 74 8630 |

| SOLUTIONS | | | | Thune | 10: |
|--|--|---|---------------------------------|----------------------------|----------------------------------|
| O N | | GENERATOR | OO Ma | NO. 307 | 7397 |
| Operator No. | | Permit/Pf Lease/W | | | ad no |
| Operators Name | 0 | Name & | | wand 36 " | St sud to belong |
| Address | | County | - F NO | 15-2956 | () |
| City, State, Zip | | API No. Rig Name | | 17 - 1470 | |
| Phone No. | | AFE/PO N | | | W Co. St. |
| | MPT E&P Waste/Service Identificat | ion and Amount (place volum | e next to waste type in ba | rrels or cubic yards) | |
| Oil Based Muds | NON-INJECTABLE V | | OTHER EX | KEMPT WASTES (type and | generation process of the waste) |
| Water Based Muds | | ow Back (Non-Injectable) | | | 101001 |
| Water Based Cuttings Produced Formation Solids | Produced Water (No Gathering Line Water) | on-Injectable) er/Waste (Non-Injectable) | | END Do | - D |
| Tank Bottoms E&P Contaminated Soil | INTERNAL USE ONL | | a salimination | 1 1000 | |
| Gas Plant Waste | Truck Washout (exe | mpt waste) | | | |
| WASTE GENERATION PROCESS: | DRILLING C | COMPLETION | PRODUCTION | GATHERING LIN | NES |
| No. | NON-EXEM | MPT E&P Waste/Service Identific | ation and Amount | procipity ada Boactivity | The District |
| Non-Exempt Other | n-exempt E&P waste must be analysed | | *please select from Non-Ex | | ack |
| | | | | | E-EACH |
| QUANTITY | B-BARRELS | | | Y-YARDS / & | |
| I hereby certify that the above listed mat packaged, and is in proper condition for | erial(s), is (are) not hazardous waste as transportation according to applicable re | defined by 40 CFR Part 261 or an gulation. | y applicable state law. That ea | ach waste has been prop | eny described, classified and |
| RCRA EXEMPT: | Oil field wastes generated from oil and per load basis only) | d gas exploration and production | operation and are not mixed v | with non-exempt waste (I | R360 Accepts certifications on a |
| RCRA NON-EXEMPT: | Oil field waste which is non-hazardous | that does not exceed the minim | um standards for waste hazar | dous by characteristics e | stablished in RCRA regulations, |
| 10577 14 | 40 CFR 261.21-261.24, or listed hazard waste as non-hazardous is attached. (| ous waste as defined by 40 CFR, | part 261, subpart D, as amend | ded. The following docur | nentation demonstrating the |
| | MSDS Information | RCRA Hazardous Wa | | Other (Provid | e Description Below) |
| | | | | | 1 |
| (PRINT) AUTHORIZED | AGENTS SIGNATURE | DATE | | SIGNATURE | |
| | | TRANSPORTE | Remarks | | |
| Transporter's Name Male | 1 Octores | Driver's N | Name | & Busky | / |
| Address | · L | Phone No | | | |
| Disass No. | | Truck No | | - | |
| Phone No. I hereby certify that the above named management of the control of the | aterial(s) was/were nicked up at the Ger | WHP No | | disposal facility listed b | elow. |
| 2-24 | = 000 | 4 | 7.24 | 10 | |
| SHIPMENT DATE | DRIVER'S SIGNATURE | | DELIVERY DATE | DRIVER'S S | |
| TRUCK TIME STA | | DISPOSAL FACIL | Name/N | RECEIVING A | D 7 |
| Site Name/ | | | | | 11 |
| Permit No. Red Bluff Fa | acility / STF-065 vy 285, Orla, TX 79770 | Phone N | 432-448-423 | 9 | |
| | S TAKEN? (Circle One) YES | | vas reading > 50 micro roer | ntgents? (Circle One) | YES NO |
| | | NORM (r | | | |
| Feet | Inches | TANK BOTTOM | S | | |
| 1st Guage | IIICHES | | BS&W Received | | BS&W (%) |
| 2nd Guage | | | Free Wate Total Received | | |
| Received | | | | | |
| I hereby certify that the above load mate | erial has been (circle one): ACCE | PTED DENIED | If denied, why? | 11 | art - |
| 10/1/ | 7 | Tr. | TITIC | SIGNI | ATURE - |

TANK BOT Inches BS&W/BBLS Received BS&W (%) 1st Gauge Free Water 2nd Gauge Total Received Received DENIED If denied, why? I hereby certify that the above load material has been (circle one): ACCEPTED TITLE NAME (PRINT) DATE

(mmhos/cm)

Chemical Analysis (Mg/I)

| Received by OCD: 6/19 | 9/2024 1:54:04 PM TEXAS NO | N-HAZARDOUS OILFIEL | | | Company Man CoPage 47 of 9 |
|--|--|--|--------------------------|---|--|
| IVIRONMENTAL SOLUTIONS | | (PLEASE PRIN | T) *REQUI | RED INFORMATION* | Phone No. |
| | | GENERAT | OR | NO. | 221772 |
| Operator No. | | GEIVEIN | Permit/RRC No. | | 937113 |
| 0 | H20.1 | | Lease/Well Name & No. | Cittabo | 136 51 5WILL |
| Operators Name | 202 | | County | 5,000 | |
| Address | | | API No. | 30.01 | 5.29560 |
| City, State, Zip | | | Rig Name & No. | | |
| Phone No. | | | AFE/PO No. | | |
| | EXEMPT E&P Waste/Service Identifica | tion and Amount (place v | rolume next to w | aste type in barrels or c | cubic yards) |
| Oil Based Muds | NON-INJECTABLE WAT | | | OTHER EXEMPT WASTES | (type and generation process of the waste) |
| Oil Based Cuttings Water Based Muds | Washout Water (Non-I | | | | |
| Water Based Cuttings | Produced Water (Non- | | | to had | Domp |
| Produced Formation Solids Tank Bottoms | Gathering Line Water/ INTERNAL USE ONLY | waste (Non-Injectable) | | | - |
| E&P Contaminated Soil | Truck Washout (exemp | ot waste) | - | | |
| Gas Plant Waste WASTE GENERATION PROCES | S: DRILLING | COMPLETION | | PRODUCTION | GATHERING LINES |
| | | EMPT E&P Waste/Service Ide | | | Land State of Benefit and State of Stat |
| | Il non-exempt E&P waste must be analysed | and be below the threshold li | | | |
| Non-Exempt Other | - | | *please select fi | rom Non-Exempt Waste Li | st on back |
| QUANTITY | B - B | ARRELS | | 8 Y-YAF | RDS E - EACH |
| packaged, and is in proper conditi RCRA EXEMPT: RCRA NON-EXEMPT: | load basis only) Oil field waste which is non-hazardous th 261.21-261.24, or listed hazardous waste hazardous is attached. (Check the approp | as exploration and production at does not exceed the minim as defined by 40 CFR, part 26 | num standards for v | waste hazardous by charact | pt waste (R360 Accepts certifications on a per teristics established in RCRA regulations, 40 CF umentation demonstrating the waste as non- on Below) |
| (PRINT) AUTHORIZED AGENTS | CIGNATURE | | DATE | | SIGNATURE |
| (Fillity No Montes Place) | | TRANSPOR | TER | | |
| Transporter's | | TIVAINOT OF | 100000 | 1-67 | |
| Name Med | 65 pages | | Driver's Name | 1097 BUS | 54 |
| Address | | - | Print Name | 1 | |
| 200.000 | | | Phone No. Truck No. | 1000 | |
| Phone No. | med material(s) was/were picked up at the 0 | Considerate atta thataid albania | | out incident to the disposal | facility listed below |
| Thereby certify that the above na | med material(s) was/were picked up at the | senerator's site listed above a | and delivered with | 24 | 1000 |
| SHIPMENT DATE | DRIVER'S SIGNATURE | | DELI | VERY DATE | DRIVER'S SIGNATURE |
| TRUCK T | IME STAMP | DISPOSAL FA | CILITY | R | ECEIVING AREA |
| IN: | OUT: | | | Name/No | o |
| Site Name/ | | | Phone No. | | |
| A Library Co. | cility/ STF-065 | | ritorie Wo. | 432-448-4239 | |
| A CONTRACTOR OF THE PARTY OF TH | vay 285, Orla, TX 79770 | 4.2 | VI DEE | 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - | (circle one) YES NO |
| NORM READINGS | TAKEN? (Circle One) YES | NO | IT YES, Was read | ding > 50 micro roentgens? | (circle one) YES NO |

Conductivity (mmhos/cm) Chloride Chemical Analysis (Mg/l)_ _рн TANK BOTT Feet Inches BS&W/BBLS Received BS&W (%) 1st Gauge Free Water 2nd Gauge Total Received Received I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? SIGNATURE DATE TITLE NAME (PRINT)

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Congress 48 of 99

| Name | TKE | 100 | A | 126 | 7 |
|-------|-----|-----|---|-----|---|
| Phone | No | | | | - |

| | | | Phone No | |
|--|---|--|--|-------------------------------|
| | GE | NERATOR | NO. 33175 | 1 |
| Operator No. | | Permit/RRC No. | SOTIO | 1 1 |
| Operators Name | | Lease/Well Name & No. | (THE NUMBER 360 | THE SILL AN |
| Address | Hillis | County | / Care process | THIS DOUBLE |
| - Tudiess | | API No. | 30.015-29562 | |
| City, State, Zip | | Rig Name & No. | | |
| Phone No. | | AFE/PO No. | | |
| | sta/Canica Identification and Am | | ste type in barrels or cubic yards) | |
| Oil Based Muds | NON-INJECTABLE WATERS | lount (place volume next to wa | OTHER EXEMPT WASTES (type and generation | process of the waste) |
| Oil Based Cuttings | Washout Water (Non-Injectable) | 11 11 11 | | |
| Water Based Muds Water Based Cuttings | Completion Fluid/Flow back (Non-Inje Produced Water (Non-Injectable) | ectable) | IVMF | |
| Produced Formation Solids | Gathering Line Water/Waste (Non-In | jectable) | 1 1 - 11. | 38 |
| Tank Bottoms E&P Contaminated Soil | INTERNAL USE ONLY Truck Washout (exempt waste) | | trucka m | 1 |
| Gas Plant Waste | | AFT | | |
| WASTE GENERATION PROCESS: | DRILLING C | COMPLETION | PRODUCTION GATH | ERING LINES |
| THE DESCRIPTION OF THE PARTY OF | | ste/Service Identification and Amou | | No and the second |
| | vaste must be analysed and be below t | | P), Ignitability, Corrosivity and Reactivity. | |
| Non-Exempt Other | | *please select from | m Non-Exempt Waste List on back | |
| QUANTITY | B - BARRELS | | // Y-YARDS | E - EACH |
| I hereby certify that the above listed material(s), is (an | e) not a hazardous waste as defined by | 40 CER Part 261 or any applicable | state law. That each waste has been proper | ly described, classified and |
| packaged, and is in proper condition for transportation | | , is an in all 202 of any appropria | | ,,, |
| RCRA EXEMPT: Oil field wastes go | enerated from oil and gas exploration a | and production operations and are r | not mixed with non-exempt waste (R360 Ac | cepts certifications on a per |
| load basis only) | | | | |
| | | | ste hazardous by characteristics established inded. The following documentation demon | |
| | ched. (Check the appropriate items as p | A STATE OF THE PARTY OF THE PAR | Tibed. The following documents and defined | strating the maste as hor |
| MSDS Informatio | n RCRA Hazardous W | /aste Analysis | Other (Provide Description Below) | # 3 |
| | 14 | | | 1 |
| | 3 12 | | | |
| (PRINT) AUTHORIZED AGENTS SIGNATURE | 17 | TANDATE / TAN | SIGNATURE | |
| | TRA | NSPORTER | 39 | |
| Transporter's | | Driver's Name | Aluted to I have | 61.10 |
| Name ///// / labb and | 27.100 | | VITOR, A AN | ZINU |
| Address //// DADO DA | RINFIED | Print Name | | |
| Phone No. | | Phone No. Truck No. | 1170 | |
| Phone No. | | and the second second second second | 111:33 | |
| I hereby certify that the above named material(s) was | /were picked up at the Generator's site | e listed above and delivered without | t incident to the disposal facility listed below | 1 / m 12 |
| SHIPMENT DATE | DRIVER'S SIGNATURE | DELIVER | Y DATE DRIVER | 'S SIGNATURE |
| TRUCK TIME STAMP | DISPO | SAL FACILITY | RECEIVING A | REA |
| IN: 14 - A OUT: | 10.01 | 76 74 | Name/No. | 17 |
| Site Name/ | | 34 | Traine, Tree | |
| Permit No. Red Bluff Facility/ STF-065 | | Phone No. | 432-448-4239 | |
| Address 5053 US Highway 285, Orla, TX 797 | 70 | | | |
| NORM READINGS TAKEN? (Circle One) | YES NO | If YES, was readin | g > 50 micro roentgens? (circle one) | YES NO |
| Chloride Chemical Analysis (Mg/l) | C. Vie | Conductivity (mmhos/cm) | Make | pH |
| n n | TAN | KBOTTOMS | ra. | |
| Feet | Inches | 700 | CALLERY. | |
| 1st Gauge | | BS& | | &W (%) |
| 2nd Gauge Received | 32 2 | 41 | Free Water Total Received | |
| | | | . 2.50 Necestres | |
| I hereby certify that the above load material has be | een (circle one): ACCEPTED | DENIED If denied, why? | Phys. Lett. | |
| - Tore / 101% | 5 111 | The state of the s | Tark . F | |
| NAME (PRINT) | DATE | TITLE | SIGNATURE | |

| SOLUTIONS | | | Phone No | |
|--|---|--|--|--------------------------------|
| | | GENERATOR | NO. 3317 | 53 |
| Operator No. | | Permit/RRC No. | 2011 | #+ |
| // | VIV. 11:6 | Lease/Well Name & No. | Cotton Wood 36. | State GOIDCOI |
| Operators Name | THUS | County | | |
| Address | | API No. | 30-015-7956 | 0 |
| City, State, Zip | | Rig Name & No. | 9036 | |
| Phone No. | | AFE/PO No. | 90 | |
| | F&P Waste/Service Identification | n and Amount (place volume next to wa | ste type in barrels or cubic yards) | |
| Oil Based Muds | NON-INJECTABLE WATERS | | OTHER EXEMPT WASTES (type and generation | n process of the waste) |
| Oil Based Cuttings | Washout Water (Non-Inje | | DUMP | |
| Water Based Muds Water Based Cuttings | Produced Water (Non-Inje | | STRUCIL - M | 38 |
| Produced Formation Solids | Gathering Line Water/Wa | | STRUCIL " | 0 |
| Tank Bottoms | INTERNAL USE ONLY Truck Washout (exempt v | (nrta) | | |
| E&P Contaminated Soil Gas Plant Waste | Truck Washout (exempt v | | | |
| WASTE GENERATION PROCESS: | DRILLING | COMPLETION | PRODUCTION GAT | HERING LINES |
| | NON-EXEM | PT E&P Waste/Service Identification and Amo | unt | |
| All non-exe Non-Exempt Other | mpt E&P waste must be analysed and | be below the threshold limits for toxicity (TCL *please select fro | m Non-Exempt Waste List on back | |
| Noneckempt outer | | | // / Y-YARDS | E - EACH |
| QUANTITY | B - BAR | RELS s defined by 40 CFR Part 261 or any applicable | 1 (test | |
| RCRA NON-EXEMPT: load ba | asis only) d waste which is non-hazardous that of the control of | does not exceed the minimum standards for wo defined by 40 CFR, part 261, subpart D, as amo | aste hazardous by characteristics establish | ed in RCRA regulations, 40 CFR |
| | | DATE | SIGNATURE | |
| (PRINT) AUTHORIZED AGENTS SIGNATURE | 11 | | | |
| | | TRANSPORTER | 1 - 1/ | -1- |
| Transporter's Name | | Driver's Name | VICTORE MIANZ | EANO |
| Address MA NADO | PARTNERS | Print Name | | |
| | | Phone No. | | |
| Phone No. | | Truck No. | m 32 | |
| I hereby certify that the above named mate | erial(s) was/were picked up at the Ge | nerator's site listed above and delivered withou | ut incident to the disposal facility listed be | ow. |
| | | 5-6- | 2 Samuel State TO 12 | VER'S SIGNATURE |
| SHIPMENT DATE | DRIVER'S SIGNATURE | DISPOSAL FACILITY | RECEIVING | ARFA |
| TRUCK TIME S | | DISPOSAL FACILITY | Name/No. | 1/7 |
| Site Name/ | | Phone No. | 432-448-4239 | 4 |
| Permit No. Red Bluff Facility/ ST | In Transporting | | 432-446-4233 | |
| Address 5053 US Highway 285, C | | NO If YES, was read | ing > 50 micro roentgens? (circle one) | YES NO |
| NORM READINGS TAKEN? (Chloride | (Circle One) YES | Conductivity (mmhos/cm)_ | | рН |
| Chemical Analysis (Mg/I) | | TANK BOTTOMS | | |
| Feet | Inches | | | |
| 1st Gauge | | BS | &W/BBLS Received Free Water | BS&W (%) |
| 2nd Gauge | | | Total Received | |
| Received | | | | |
| I hereby certify that the above load ma | terial has been (circle one)://AC | CEPTED DENIED If denied, why | ? | |
|) p. 11 (- n) | 5/11 | 7 1116 | | |
| NAME (DRINT) | DATE | TITLE | SIGNATUR | E |

c@northstarforms.com

(PLEASE PRINT)

REQUIRED INFORMATION

Yellow - GENERATOR

| Comp | any | Man d | Page | 50 of | 99 |
|------|------------|-------|------|-------|------|
| Name | a <u>/</u> | KE | 101 | 125 | 2 |
| - | | 42 | 7 7 | 17/5 | 1/10 |

308.R360-5160R

| | | | 1000 | 104 |
|--|--|---|---------------------------------------|------------------------------------|
| | G | ENERATOR | NO. 31 | 1482 |
| Operator No. | # F1 | Permit/RRC No Lease/Well | 11 145 | Calola a atla |
| Operators Name | 160 | Name & No. | HILINWOOD # 36 | state subject |
| - Till | 1111 | County API No. | -015-2954 | d |
| City, State, Zip | | Rig Name & No. | 3 | |
| THE RESERVE OF THE PERSON OF T | MPT E&P Waste/Service Identification and A | Amount (place volume next to waste t | vpe in barrels or cubic vards) | The state of |
| Oil Based Muds Oil Based Cuttings | NON-INJECTABLE WATERS | | OTHER EXEMPT WASTES (type an | d generation process of the waste) |
| Water Based Muds Water Based Cuttings | Washout Water (Non-Injectab Completion Fluid/Flow Back (N Produced Water (Non-Injectab | Non-Injectable) | Dinip | 25 |
| Produced Formation Solids Tank Bottoms | Gathering Line Water/Waste (INTERNAL USE ONLY | (Non-Injectable) | los. | |
| E&P Contaminated Soil Gas Plant Waste | Truck Washout (exempt waste | | | |
| WASTE GENERATION PROCESS: | ☐ DRILLING ☐ COMPLETI | ION PRODUCTION | GATHERING LI | NES |
| All non | NON-EXEMPT E&P v n-exempt E&P waste must be analysed and be belo | Vaste/Service Identification and Amount ow threshold limits for toxicity (TCLP), Ign | itability, Corrosivity adn Reactivity | |
| Non-Exempt Other | | *please select fro | nm Non-Exempt Waste List on b | pack |
| QUANTITY | B-BARRELS | | Y-YARDS /Co | E-EACH |
| hereby certify that the above listed mate backaged, and is in proper condition for tr | erial(s), is (are) not hazardous waste as defined by ransportation according to applicable regulation. | 40 CFR Part 261 or any applicable state la | w. That each waste has been prop | perly described, classified and |
| | Oil field wastes generated from oil and gas explo per load basis only) | oration and production operation and are n | ot mixed with non-exempt waste | R360 Accepts certifications on a |
| RCRA NON-EXEMPT: | Oil field waste which is non-hazardous that does 40 CFR 261.21-261.24, or listed hazardous waste | not exceed the minimum standards for w | aste hazardous by characteristics | established in RCRA regulations, |
| | waste as non-hazardous is attached. (Check the a | appropriate items as provided) | _ | |
| | MSDS Information | RCRA Hazardous Waste Analysis | Uther (Provid | de Description Below) |
| (PRINT) AUTHORIZED AG | CENTE CICNATURE | DATE | SIGNATURE | |
| | - We the second second | ANSPORTER | SIDIVALUNE | |
| ransporter's Vame | | Driver's Name | Jichoria Har | dy |
| Address | | Phone No. | M35 | 0 |
| Thone No. | | Truck No | 15.039 | |
| hereby certify that the above named mat | rerial(s) was/were picked up at the Generator's site | e listed above and delivered without incid | ent to the disposal facility listed b | elow. |
| SHIPMENT DATE | DRIVER'S SIGNATURE | DELIVERY DATE | DRIVER'S S | GIGNATURE |
| TRUCK TIME STAN | | DSAL FACILITY | RECEIVING A | AREA |
| ite Name/ | | _ | | |
| | cility / STF-065 / 285, Orla, TX 79770 | Phone No | 148-4239 | |
| | TAKEN? (Circle One) YES NO | If YES, was reading > 50 m | icro roentgents? (Circle One) | YES NO |
| X | TAN | IK BOTTOMS | | |
| Feet | Inches | | Pagaiyad | BS&W (%) |
| Ist Guage 2nd Guage | | | Received ree Water | DOG 17 (70) |
| Received | | Total | Received | 1 1-,31 |
| hereby certify that the above load mater | rial has been (circle one): ACCEPTED | DENIED If denie | d, why? | |
| NAME (PRINT) | DATE | TITLE | SIGN | ATURE |
| Released to Imaging: 7/3/2 | 2024 1:51:24 PM | | 15 1/ | |

Blue-TRANSPORTER

Received by OCD: 6/19/2024 1:54:04 PM TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST Company Man Cor Raigh 51 19 *REQUIRED INFORMATION* **GENERATOR** Permit/RRC No. Operator No. Lease/Well Name & No Operators Name County Address API No. Rig Name & No City, State, Zip AFE/PO No Phone No. EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards) OTHER EXEMPT WASTES (type and generation process of the waste) Oil Based Muds NON-INJECTABLE WATERS Oil Based Cuttings Washout Water (Non-Injectable) Water Based Muds Completion Fluid/Flow back (Non-Injectable) Water Based Cuttings Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectable) **Produced Formation Solids** Tank Bottoms INTERNAL USE ONLY E&P Contaminated Soil Truck Washout (exempt waste) Gas Plant Waste **GATHERING LINES** DRILLING COMPLETION PRODUCTION WASTE GENERATION PROCESS NON-EXEMPT E&P Waste/Service Identification and Amount All non-exempt F&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity *please select from Non-Exempt Waste List on back Non-Exempt Other Y - YARDS E - EACH B - BARREIS QUANTITY I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation. Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per RCRA EXEMPT: load basis only) Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR RCRA NON-EXEMPT: 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as nonhazardous is attached. (Check the appropriate items as provided) Other (Provide Description Below) RCRA Hazardous Waste Analysis SIGNATURE (PRINT) AUTHORIZED AGENTS SIGNATUR DATE TRANSPORTER Transporter's Driver's Name Name Print Name Address Phone No. Truck No. Phone No. I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below DELIVERY DATE DRIVER'S SIGNATURE SHIPMENT DATE RECEIVING AREA DISPOSAL FACILITY TRUCK TIME STAMP Name/No OUT: IN: Site Name Phone No Red Bluff Facility/ STF-065 432-448-4239 Permit No Address 5053 US Highway 285, Orla, TX 79770 NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO Conductivity Chloride (mmhos/cm) Chemical Analysis (Mg/I) **TANK BO**

I hereby certify that the above load material has been (circle one)

NAME (PRINT)

1st Gauge

2nd Gauge

Received

DENIED

TITLE

Inches

ACCEPTED

BS&W/BBLS Received

If denied, why?

Free Wate

Total Received

BS&W (%)

SIGNATURE

(PLEASE PRINT)

*REQUIRED INFORMATION

| | Company Man Contact Information | |
|---|---------------------------------|---|
| * | Name <u>Le fraint</u> | |
| 9 | Phone No. 449-701-86 | Ź |

| SOLUTIONS | GENEF | RATOR | No. 307382 |
|---|--|--|---|
| Operator No. | GENE | Permit/PPC No | 00,000 |
| | | Lease/Well Name & No. | Moupoch 3/0 State Supo |
| Operators Name | illios | County | 21 - 0.46 2 |
| | | API No. | 065 24560 |
| City, State, Zip ——————————————————————————————————— | | Rig Name & No | 10 At 21 At |
| EXEMPT E&P Was | te/Service Identification and Amount | | type in barrels or cubic yards) |
| Oil Based Muds | NON-INJECTABLE WATERS | | OTHER EXEMPT WASTES (type and generation process of the waste) |
| Oil Based Cuttings Water Based Muds | Washout Water (Non-Injectable) Completion Fluid/Flow Back (Non-Injec | ctable) | Dung-fruck |
| Water Based Cuttings Produced Formation Solids | Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectable) | ectable) | |
| Tank Bottoms E&P Contaminated Soil | INTERNAL USE ONLY | Total Control of the | Learn I To |
| Gas Plant Waste | Truck Washout (exempt waste) | PRODUCTION | GATHERING LINES |
| WASTE GENERATION PROCESS: DRILL | | 1 121 | |
| All non-exempt E&P w | NON-EXEMPT E&P Waste/Se vaste must be analysed and be below thres | ervice Identification and Amoun shold limits for toxicity (TCLP), I | nitability, Corrosivity add Heactivity. |
| Non-Exempt Other | | *please select | from Non-Exempt Waste List on back |
| QUANTITY | B-BARRELS | | Y-YARDS / E-EACH |
| I hereby certify that the above listed material(s), is (are) repackaged, and is in proper condition for transportation as | not hazardous waste as defined by 40 CFR occording to applicable regulation. | Part 261 or any applicable state | law. That each waste has been properly described, classified and |
| RCRA EXEMPT: Oil field waste | s generated from oil and gas exploration a | nd production operation and are | e not mixed with non-exempt waste (R360 Accepts certifications on |
| per load basis | which is non hazardous that does not exc | eed the minimum standards for | waste hazardous by characteristics established in RCRA regulation |
| 40 CFB 261 21 | -261.24, or listed hazardous waste as defin hazardous is attached. (Check the appropri | ned by 40 CFR, part 261, subpar | t D, as amended. The following documentation demonstrating the |
| MSDS Informa | The state of the s | Hazardous Waste Analysis | Other (Provide Description Below) |
| 4100 | | | 0-4 |
| (PRINT) AUTHORIZED AGENTS SIGNATURE | | DATE | SIGNATURE |
| | TRANS | PORTER | 1 - 1 |
| Transporter's Name MANAGE T | activers | Driver's Name | Victoria Haray |
| Address | | Phone No | M35 |
| Phone No. | | WHP No. | |
| I hereby certify that the above named material(s) was/w | ere picked up at the Generator's site listed | above and delivered without in | cident to the disposal facility listed below. |
| SHIPMENT DATE | DRIVER'S SIGNATURE | DELIVERY DATE | DRIVER'S SIGNATURE |
| TRUCK TIME STAMP | DISPOSA | L FACILITY | RECEIVING AREA |
| IN: OUT: | THE PLANT | m and the state of | Name/No. |
| Sito Name/ | 005 | //2 | 2-448-4239 |
| Permit No. Red Bluff Facility / STF | -065 TX 79770 | Phone No. 43 | Z-440-4233 |
| Address | 1 | If YES, was reading > 5 | 0 micro roentgents? (Circle One) YES NO |
| NONIVI HEADINGS TAKEN: (OII | sid diley 125 | NORM (mR/hr) | |
| | TANK B | OTTOMS | di pro o sony so |
| 1st Guage Feet | Inches | BS8 | W Received BS&W (%) |
| 2nd Guage | | | Free Water |
| Received | | | tal Received |
| I hereby certify that the above load material has been (| circle one): ACCEPTED | DENIED If de | nied, why? |
| NAME (PRINT) | DATE | TITLE | SIGNATURE |

(PLEASE PRINT)

REQUIRED INFORMATION

| | Compan | y Man Cop | age 53 of 99 | |
|---|---------|-----------|--------------|---|
| | Name _ | TKE | Tavasez | |
| * | Phone N | 10 4 3 | 2-701-86 | 5 |

| SOLUTIONS | | | |
|---|--|--|--|
| | GEN | ERATOR | No. 307383 |
| Operator No. | | Permit/PPC No | |
| Operators Name | Phillips | Lease/Well Name & No. | Honord 310 State SWDCO |
| Address | | County | Yell y was |
| | | API No. | 01015-19560 |
| City, State, Zip | | Rig Name & No. | The state of the s |
| Phone No. | | AFE/PO No. | |
| Oil Based Muds | Waste/Service Identification and Amour NON-INJECTABLE WATERS | | pe in barrels or cubic yards) OTHER EXEMPT WASTES (type and generation process of the waste) |
| Oil Based Cuttings | Washout Water (Non-Injectable) | | |
| Water Based Muds Water Based Cuttings | Completion Fluid/Flow Back (Non-In- Produced Water (Non-Injectable) | jectable) | Dump Truck |
| Produced Formation Solids | Gathering Line Water/Waste (Non-I | njectable) | 174 Hz 18 1911 |
| Tank Bottoms E&P Contaminated Soil | INTERNAL USE ONLY | | A COUNTY OF THE PARTY OF THE PA |
| Gas Plant Waste | Truck Washout (exempt waste) | | |
| WASTE GENERATION PROCESS: D | RILLING COMPLETION | PRODUCTION | GATHERING LINES |
| All pap gyamet E | NON-EXEMPT E&P Waste, &P waste must be analysed and be below thr | /Service Identification and Amount | ability Corneivity and Reactivity |
| Non-Exempt Other | ar waste must be analysed and be below this | | m Non-Exempt Waste List on back |
| QUANTITY | B-BARRELS | | Y-YARDS // E-EACH |
| QUANTITY | | D Part 261 or any applicable state la | w. That each waste has been properly described, classified and |
| packaged, and is in proper condition for transportation | on according to applicable regulation. | in rait 201 of any applicable state ia | w. That each waste has been properly accombod, classified and |
| RCRA EXEMPT: Oil field w | | and production operation and are no | ot mixed with non-exempt waste (R360 Accepts certifications on a |
| RCRA NON-EXEMPT: Oil field w | aste which is non-hazardous that does not e | xceed the minimum standards for wa | iste hazardous by characteristics established in RCRA regulations, |
| | 1.21-261.24, or listed hazardous waste as de non-hazardous is attached. (Check the approp | | as amended. The following documentation demonstrating the |
| MSDS Infe | ormation RCR | A Hazardous Waste Analysis | Other (Provide Description Below) |
| 112 12 | | | mark the second |
| (PRINT) AUTHORIZED AGENTS SIGNA | rune | DATE | SIGNATURE |
| | TRAN | SPORTER | |
| Transporter's Name Man Alaha | Pariners | Driver's Name | morrow Hardy |
| Address | THE PLANT OF THE PARTY OF THE P | Phone No. | V' |
| | | Truck No. | M 33 |
| Phone No. | | WHP No. | |
| I hereby certify that the above named material(s) was | s/were picked up at the Generator's site liste | ed above and delivered without incid | ent to the disposal facility listed below. |
| SHIPMENT DATE | DRIVER'S SIGNATURE | DELIVERY DATE | DRIVER'S SIGNATURE |
| TRUCK TIME STAMP | DISPOSA | AL FACILITY | RECEIVING AREA |
| IN: 16 CF. HOUT: | 1 | | Name/No |
| Site Name/ | to the same of the | | |
| Permit No. Red Bluff Facility / 3 | | Phone No. 432-4 | 148-4239 |
| Address <u>5053 US Hwy 285, 0</u> | | | mer, '01 = |
| NORM READINGS TAKEN? | (Circle One) YES NO | If YES, was reading > 50 m NORM (mR/hr) | icro roentgents? (Circle One) YES NO |
| 400 | TANK | BOTTOMS | 1 |
| 1et Guago | Inches | | Received BS&W (%) |
| 1st Guage 2nd Guage | | | ee Water |
| Received | | | Received |
| I hereby certify that the above load material has been | en (circle one): ACCEPTED | DENIED If denied | d, why? |
| Ar 1 d A A A A A A A A A A A A A A A A A A | C (1/1) | 1 | |
| NAME (PRINT) | DATE | TITLE | SIGNATURE |

Company Man Confidence of the Company Man Confidence of the Confid

REQUIRED INFORMATION Name IKE 7
Phone No.

| | | | GENERATOR | | NO. 332541 | 6 |
|--|--|--|--|--------------------------------------|--|---|
| Operator No. | | | Permit/RR | | - 00007 | • |
| Operators Name | 1 - 5 i | 11.6 | Lease/We Name & N | | 011 15 | 11 E |
| Address | HY DYDU | ICAS | County | | (ottonwood 365 | THE SWO SO |
| | | | API No. | - | 30-0015 29560 | / |
| City, State, Zip | | | Rig Name | & No. | 3.09 | |
| Phone No. | | - | AFE/PO N | 0. | 9-0 | |
| | | A CONTRACTOR OF THE PARTY OF TH | Amount (place volume ne | 100 | te type in barrels or cubic yards) | |
| Oil Based Muds Oil Based Cuttings | | N-INJECTABLE WATERS shout Water (Non-Injectable) | | | OTHER EXEMPT WASTES (type and generation pr | ocess of the waste) |
| Water Based Muds | Co | mpletion Fluid/Flow back (Non | | | MUMT | |
| Water Based Cuttings Produced Formation Solids | | duced Water (Non-Injectable) thering Line Water/Waste (No | | | 3 OTABER - M. 3. | 8-13 |
| Tank Bottoms E&P Contaminated Soil | The second second | ERNAL USE ONLY lck Washout (exempt waste) | ALI NA | 4 | TRUCK -9. | 60 |
| Gas Plant Waste | | ick washout (exempt waste) | 10 - | - | | |
| WASTE GENERATION PROCESS | : DR | ILLING | COMPLETION | F | PRODUCTION GATHER | RING LINES |
| | | | Waste/Service Identification a | | | |
| | non-exempt E&P waste | must be analysed and be belo | | |), Ignitability, Corrosivity and Reactivity. | |
| Non-Exempt Other | | | *please s | select from | Non-Exempt Waste List on back | |
| QUANTITY | | B - BARRELS | | | 16 Y - YARDS | E - EACH |
| | The state of the s | | The state of the s | plicable st | tate law. That each waste has been properly | described, classified and |
| packaged, and is in proper condition | | | | and are no | ot mixed with non-exempt waste (R360 Acce | nts certifications on a per |
| RCRA EXEMPT: | load basis only) | ated from on and gas explorate | on and production operations | and are m | ot mixed with non-exempt waste (1300 Acce | pes certifications on a per |
| RCRA NON-EXEMPT: | | | | | te hazardous by characteristics established in | |
| | | ed hazardous waste as defined . (Check the appropriate items | | D, as amen | nded. The following documentation demonstr | rating the waste as non- |
| | MSDS Information | | s Waste Analysis | | Other (Provide Description Below) | 2 |
| -/1 - | F | | 4 | - | 2001 | - 1 |
| 1/100.1 | en the | | | | 242421 | |
| (PRINT) AUTHORIZED AGENTS SI | GNATURE / L | | DATE | | SIGNATURE | |
| - Committee of | | TI | RANSPORTER | ENOX! | 4 19 19 19 | |
| Transporter's Name | | | Driver's N | lame | DICTUTE A FARRY | Du |
| Address Md No | NO PARTNI | 605 | Print Nam | ne _ | 10 | |
| | | | Phone No | | 7 | |
| Phone No. | - / | | Truck No. | + | 11:38 | |
| I hereby certify that the above nam | ed material(s) was/wer | e picked up at the Generator's | site listed above and delivere | d without | incident to the disposal facility listed below. | Luna |
| SHIPMENT DATE | DR | VER'S SIGNATURE | | DELIVERY | DATE DRIVER'S S | GIGNATURE CONTROL OF THE CONTROL OF |
| TRUCK TII | ME STAMP | DISI | POSAL FACILITY | 7 | RECEIVING AF | REA |
| IN: 10'5' 77 | OUT: | 1 | | | Name/No. | 7 |
| Site Name/ | | | V of Te | 2 | NOSO - UII | |
| Permit No. Red Bluff Facili Address 5053 US Highway | | | | 10 200 | | |
| 3033 03 MgHWa | | | Phone No | 4 | 132-448-4239 | |
| NORM READINGS T | y 285, Orla, TX 79770 | VEC NO | | | | FS NO |
| Chloride | | YES NO | If YES, w | vas reading | s > 50 micro roentgens? (circle one) YI | |
| | y 285, Orla, TX 79770 | | If YES, w Conductiv (mmhos | vas reading | | ES NOpH |
| Chloride Chemical Analysis (Mg/I) | y 285, Orla, TX 79770 AKEN? (Circle One) | TA | If YES, w | vas reading | | |
| Chloride Chemical Analysis (Mg/I) F 1st Gauge | y 285, Orla, TX 79770 | | If YES, w Conductiv (mmhos | vas reading vity s/cm) | 3 > 50 micro roentgens? (circle one) YI | |
| Chloride Chemical Analysis (Mg/I) | y 285, Orla, TX 79770 AKEN? (Circle One) | TA | If YES, w Conductiv (mmhos | vas reading vity s/cm) | ; > 50 micro roentgens? (circle one) YI | рН |
| Chloride Chemical Analysis (Mg/I) | y 285, Orla, TX 79770 AKEN? (Circle One) eet | Inches | If YES, w Conductive (mmhos | vas reading vity s/cm) BS&V | x > 50 micro roentgens? (circle one) YI N/BBLS Received BS&\ Free Water | рН |
| Chloride Chemical Analysis (Mg/I) F 1st Gauge 2nd Gauge | y 285, Orla, TX 79770 AKEN? (Circle One) eet | Inches | If YES, w Conductive (mmhos | vas reading vity s/cm) | x > 50 micro roentgens? (circle one) YI N/BBLS Received BS&\ Free Water | рН |
| Chloride Chemical Analysis (Mg/I) | y 285, Orla, TX 79770 AKEN? (Circle One) eet | Inches | If YES, w Conductive (mmhos | vas reading vity s/cm) BS&V | x > 50 micro roentgens? (circle one) YI N/BBLS Received BS&\ Free Water | рН |

(PLEASE PRINT) *REQUIRED INFORMATION*

Page 55 of 99

Phone No.

| Co | mpar | ny Ma | an C | onta | et Int | orma | tic |
|------|------|-------|------|------|--------|------|-----|
| Name | TK | E | TA | MA | DE | Z | |
| | 100 | | _ | | - | | |

| | G | ENERATOR | No. 332545 |
|--|--|--|---|
| Operator No. | | Permit/RRC No. | 332343 |
| Operators Name | Hillis | Lease/Well Name & No. | Cotton wood 365/HESWD 001 |
| Address | | County | |
| | | API No. | 30.015-39560 |
| City, State, Zip | | Rig Name & No. | |
| Phone No. | | AFE/PO No. | |
| Oil Based Muds | THE RESIDENCE OF THE PARTY OF T | mount (place volume next to w | aste type in barrels or cubic yards) |
| Oil Based Cuttings | NON-INJECTABLE WATERS Washout Water (Non-Injectable) | | OTHER EXEMPT WASTES (type and generation process of the waste) |
| Water Based Muds | Completion Fluid/Flow back (Non-Ir | njectable) | Tump |
| Water Based Cuttings Produced Formation Solids | Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectable) | Injectable) | JOMP 12.38 |
| Tank Bottoms | INTERNAL USE ONLY | Injectable) | TRUCK |
| E&P Contaminated Soil | Truck Washout (exempt waste) | | |
| WASTE GENERATION PROCESS: | DRIVING | COMPLETION | DOODUSTION CATUSDING UNITS |
| WASTE GENERATION PROCESS: | DRILLING | COMPLETION | PRODUCTION GATHERING LINES |
| All non-exempt E&P | | /aste/Service Identification and Amo the threshold limits for toxicity (TCI | ount P), Ignitability, Corrosivity and Reactivity. |
| Non-Exempt Other | | *please select fro | om Non-Exempt Waste List on back |
| QUANTITY | B - BARRELS | | /6 Y-YARDS E-EACH |
| | | by 40 CFR Part 261 or any applicable | state law. That each waste has been properly described, classified and |
| packaged, and is in proper condition for transportati | | | 10000 |
| RCRA EXEMPT: load basis only) | generated from oil and gas exploration | and production operations and are | not mixed with non-exempt waste (R360 Accepts certifications on a per |
| RCRA NON-EXEMPT: Oil field waste v | hich is non-hazardous that does not e | xceed the minimum standards for w | aste hazardous by characteristics established in RCRA regulations, 40 CFR |
| | | | ended. The following documentation demonstrating the waste as non- |
| hazardous is att | ached. (Check the appropriate items as | s provided) | |
| MSDS Informati | on RCRA Hazardous | Waste Analysis | Other (Provide Description Below) |
| 1 // | | | |
| 1 101 1716/ | (7 | | |
| (PRINT) AUTHORIZED AGENTS SIGNATURE | | DATE | SIGNATURE |
| | TR | ANSPORTER | |
| Transporter's | | Debugale Name | 1 1/2-1-2 |
| Name | | Driver's Name | VICTOR PANDEANO |
| Address /// NPbb TROT | MERS | Print Name | |
| | | Phone No. | |
| Phone No. | | Truck No. | m-38 /L |
| I hereby certify that the above named material(s) wa | s/were picked up at the Generator's si | ite listed above and delivered withou | ut incident to the disposal facility listed below. |
| SHIPMENT DATE | DRIVER'S SIGNATURE | 5 · 7 · 2 | RY DATE DRIVER'S SIGNATURE |
| | | | RECEIVING AREA |
| TRUCK TIME STAME | DISP | OSAL FACILITY | |
| IN:OUT: | | | Name/No. |
| Permit No. Red Bluff Facility/ STF-065 | | Phone No. | 432-448-4239 |
| Address 5053 US Highway 285, Orla, TX 79 | 770 | | 726 710 7623 |
| NORM READINGS TAKEN? (Circle One | | If YES, was reading | ng > 50 micro roentgens? (circle one) YES NO |
| Chloride Chemical Analysis (Mg/l) | 230 | Conductivity (mmhos/cm) | рн |
| (MB/I) | TAN | NK BOTTOMS | - Pri |
| Feet | Inches | TIL DO I TOIVIS | |
| 1st Gauge | indies | BS8 | &W/BBLS Received BS&W (%) |
| 2nd Gauge | | | Free Water |
| Received | | | Total Received |
| I hereby certify that the above load material has I | peen (circle one): ACCEPTED | DENIED If denied, why? | |
| The state of the s | - By | in deflied, why? | |
| NAME (PRINT) | DATE | TITLE | SIGNATURE |

APPENDIX F Laboratory Analytical Data



May 03, 2024

NICHOLAS POOLE
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: COTTONWOOD 36 STATE SWD #001

Enclosed are the results of analyses for samples received by the laboratory on 05/02/24 16:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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/ga/lab_accred_certif.html.

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

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

Celey D. Keene

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 05/02/2024 Sampling Date: 05/02/2024

Reported: 05/03/2024 Sampling Type: Soil

Project Name: COTTONWOOD 36 STATE SWD #001 Sampling Condition: Cool & Intact
Project Number: 212C-MD-03260 Sample Received By: Tamara Oldaker

Project Location: EDDY COUNTY, NM

Sample ID: FS - 1 (H242386-01)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/02/2024 | ND | 2.08 | 104 | 2.00 | 3.59 | |
| Toluene* | <0.050 | 0.050 | 05/02/2024 | ND | 2.03 | 102 | 2.00 | 3.02 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/02/2024 | ND | 1.98 | 98.8 | 2.00 | 2.79 | |
| Total Xylenes* | <0.150 | 0.150 | 05/02/2024 | ND | 5.80 | 96.7 | 6.00 | 2.93 | |
| Total BTEX | <0.300 | 0.300 | 05/02/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 90.7 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 05/03/2024 | ND | 416 | 104 | 400 | 10.9 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/03/2024 | ND | 213 | 106 | 200 | 8.10 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/03/2024 | ND | 199 | 99.3 | 200 | 6.45 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.5 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 76.8 | % 49.1-14 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Received: 05/02/2024 Sampling Date: 05/02/2024

Reported: 05/03/2024 Sampling Type: Soil

Project Name: COTTONWOOD 36 STATE SWD #001 Sampling Condition: Cool & Intact
Project Number: 212C-MD-03260 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: EDDY COUNTY, NM

mg/kg

Sample ID: FS - 2 (H242386-02)

BTEX 8021B

| | <u> </u> | | | . , | | | | | |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/02/2024 | ND | 2.08 | 104 | 2.00 | 3.59 | |
| Toluene* | <0.050 | 0.050 | 05/02/2024 | ND | 2.03 | 102 | 2.00 | 3.02 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/02/2024 | ND | 1.98 | 98.8 | 2.00 | 2.79 | |
| Total Xylenes* | <0.150 | 0.150 | 05/02/2024 | ND | 5.80 | 96.7 | 6.00 | 2.93 | |
| Total BTEX | <0.300 | 0.300 | 05/02/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 91.3 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 05/03/2024 | ND | 416 | 104 | 400 | 10.9 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/03/2024 | ND | 213 | 106 | 200 | 8.10 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/03/2024 | ND | 199 | 99.3 | 200 | 6.45 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 84.1 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 70.8 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 05/02/2024 Sampling Date: 05/02/2024

Reported: 05/03/2024 Sampling Type: Soil

Project Name: COTTONWOOD 36 STATE SWD #001 Sampling Condition: Cool & Intact
Project Number: 212C-MD-03260 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: EDDY COUNTY, NM

mg/kg

Sample ID: FS - 3 (H242386-03)

BTEX 8021B

| | <u> </u> | | | . , | | | | | |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/02/2024 | ND | 2.08 | 104 | 2.00 | 3.59 | |
| Toluene* | <0.050 | 0.050 | 05/02/2024 | ND | 2.03 | 102 | 2.00 | 3.02 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/02/2024 | ND | 1.98 | 98.8 | 2.00 | 2.79 | |
| Total Xylenes* | <0.150 | 0.150 | 05/02/2024 | ND | 5.80 | 96.7 | 6.00 | 2.93 | |
| Total BTEX | <0.300 | 0.300 | 05/02/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 91.1 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 05/03/2024 | ND | 416 | 104 | 400 | 10.9 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/03/2024 | ND | 213 | 106 | 200 | 8.10 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/03/2024 | ND | 199 | 99.3 | 200 | 6.45 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.2 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 76.4 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 05/02/2024 Sampling Date: 05/02/2024

Reported: 05/03/2024 Sampling Type: Soil

Project Name: COTTONWOOD 36 STATE SWD #001 Sampling Condition: Cool & Intact
Project Number: 212C-MD-03260 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: EDDY COUNTY, NM

mg/kg

Sample ID: FS - 4 (H242386-04)

BTEX 8021B

| | 9/ | 9 | 7 | | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/02/2024 | ND | 2.08 | 104 | 2.00 | 3.59 | |
| Toluene* | <0.050 | 0.050 | 05/02/2024 | ND | 2.03 | 102 | 2.00 | 3.02 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/02/2024 | ND | 1.98 | 98.8 | 2.00 | 2.79 | |
| Total Xylenes* | <0.150 | 0.150 | 05/02/2024 | ND | 5.80 | 96.7 | 6.00 | 2.93 | |
| Total BTEX | <0.300 | 0.300 | 05/02/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 90.3 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 05/03/2024 | ND | 416 | 104 | 400 | 10.9 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/03/2024 | ND | 213 | 106 | 200 | 8.10 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/03/2024 | ND | 199 | 99.3 | 200 | 6.45 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.6 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 78.8 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 05/02/2024 Sampling Date: 05/02/2024

Reported: 05/03/2024 Sampling Type: Soil

Project Name: COTTONWOOD 36 STATE SWD #001 Sampling Condition: Cool & Intact
Project Number: 212C-MD-03260 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: EDDY COUNTY, NM

mg/kg

Sample ID: FS - 5 (H242386-05)

BTEX 8021B

| | <u> </u> | | | . , | | | | | |
|--------------------------------------|----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/02/2024 | ND | 2.08 | 104 | 2.00 | 3.59 | |
| Toluene* | <0.050 | 0.050 | 05/02/2024 | ND | 2.03 | 102 | 2.00 | 3.02 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/02/2024 | ND | 1.98 | 98.8 | 2.00 | 2.79 | |
| Total Xylenes* | <0.150 | 0.150 | 05/02/2024 | ND | 5.80 | 96.7 | 6.00 | 2.93 | |
| Total BTEX | <0.300 | 0.300 | 05/02/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 91.8 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 05/03/2024 | ND | 416 | 104 | 400 | 10.9 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/03/2024 | ND | 213 | 106 | 200 | 8.10 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/03/2024 | ND | 199 | 99.3 | 200 | 6.45 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 64.6 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 55.9 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene



Analytical Results For:

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

Received: 05/02/2024 Sampling Date: 05/02/2024

Reported: 05/03/2024 Sampling Type: Soil

Project Name: COTTONWOOD 36 STATE SWD #001 Sampling Condition: Cool & Intact
Project Number: 212C-MD-03260 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: EDDY COUNTY, NM

ma/ka

Sample ID: NSW - 1 (H242386-06)

RTFY 8021R

| BIEX 8021B | mg | / kg | Anaiyze | а ву: ЈН | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/02/2024 | ND | 2.08 | 104 | 2.00 | 3.59 | |
| Toluene* | <0.050 | 0.050 | 05/02/2024 | ND | 2.03 | 102 | 2.00 | 3.02 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/02/2024 | ND | 1.98 | 98.8 | 2.00 | 2.79 | |
| Total Xylenes* | <0.150 | 0.150 | 05/02/2024 | ND | 5.80 | 96.7 | 6.00 | 2.93 | |
| Total BTEX | <0.300 | 0.300 | 05/02/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 90.9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | ed By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 05/03/2024 | ND | 416 | 104 | 400 | 10.9 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/03/2024 | ND | 213 | 106 | 200 | 8.10 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/03/2024 | ND | 199 | 99.3 | 200 | 6.45 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.2 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 74.7 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Celey & Keene



Analytical Results For:

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

Received: 05/02/2024 Sampling Date: 05/02/2024

Reported: 05/03/2024 Sampling Type: Soil

Project Name: COTTONWOOD 36 STATE SWD #001 Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 212C-MD-03260 Sample Received By:

Project Location: EDDY COUNTY, NM

Sample ID: WSW - 1 (H242386-07)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/02/2024 | ND | 2.08 | 104 | 2.00 | 3.59 | |
| Toluene* | <0.050 | 0.050 | 05/02/2024 | ND | 2.03 | 102 | 2.00 | 3.02 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/02/2024 | ND | 1.98 | 98.8 | 2.00 | 2.79 | |
| Total Xylenes* | <0.150 | 0.150 | 05/02/2024 | ND | 5.80 | 96.7 | 6.00 | 2.93 | |
| Total BTEX | <0.300 | 0.300 | 05/02/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 90.3 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 912 | 16.0 | 05/03/2024 | ND | 416 | 104 | 400 | 10.9 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/03/2024 | ND | 213 | 106 | 200 | 8.10 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/03/2024 | ND | 199 | 99.3 | 200 | 6.45 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 84.9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 74.1 | % 49.1-14 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 05/02/2024 Sampling Date: 05/02/2024

Reported: 05/03/2024 Sampling Type: Soil

Project Name: COTTONWOOD 36 STATE SWD #001 Sampling Condition: Cool & Intact
Project Number: 212C-MD-03260 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: EDDY COUNTY, NM

mg/kg

Sample ID: WSW - 2 (H242386-08)

BTEX 8021B

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Benzene* | <0.050 | 0.050 | 05/02/2024 | ND | 2.08 | 104 | 2.00 | 3.59 | |
| Toluene* | <0.050 | 0.050 | 05/02/2024 | ND | 2.03 | 102 | 2.00 | 3.02 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/02/2024 | ND | 1.98 | 98.8 | 2.00 | 2.79 | |
| Total Xylenes* | <0.150 | 0.150 | 05/02/2024 | ND | 5.80 | 96.7 | 6.00 | 2.93 | |
| Total BTEX | <0.300 | 0.300 | 05/02/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 90.2 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 448 | 16.0 | 05/03/2024 | ND | 416 | 104 | 400 | 10.9 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/03/2024 | ND | 213 | 106 | 200 | 8.10 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/03/2024 | ND | 199 | 99.3 | 200 | 6.45 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/03/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 83.4 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 72.2 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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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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Celeg D. Freene

| | | Pag | ge 67 |
|----------|--|--------------|----------|
| Din Mars | 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 | Laboratories | CARDINAL |
| BILL 10 | 200 | | CHA |

| 1 | ٢ | |
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| | | CHAIN OF CHETODY AND ANALYSIS REGUES |

| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Relinquished By: | PLEASE NOTE: Liability and Damages. Cardinal's liability and of analyses. All claims including Bose for negligence and any other analyses. In no event shall Cardinal be liable for incidental or con- service. In no event shall Cardinal be liable for incidental or service. | S WSW- | 2 FS-5 4 FS-4 5 FS-3 | | Lab I.D. Sample I.D. | Sampler Name: Ann Autow | Project Location: Eddy Co, | Project Name: Cotton wood | Project #: 212 C-MD-03260 | Phone #: | Address: | Project Manager: Ni Cho (65, 100 K | Conoco | (5/5) 393-2320 |
|---|---|--|--------|----------------------------|-----------------------|---|-------------------------|----------------------------|---------------------------|---------------------------|----------|-----------------------|------------------------------------|--------|----------------|
| Observed Temp. °C / C | Date: O.T.Ms:y Time: i (6:1)5 Date: | ent's exclusive cause whatso equental dama e of services h | | | | S)RAB OR (C)OM | 2 | 23 | 36 State | Project Owner: | Fax#: | State: Zip: | 5. Poore | & mmps | 10000000 |
| Temp. °C / Sample Condition CHECKED BY: Turnaround Time (Initials) Temp. °C / Sample Condition CHECKED BY: Turnaround Time (Initials) Thermometer ID # Correction Factor (Initials) Thermometer ID # Correction Factor (Initials) | Received By: | remody for any claim asiming whether based in contract or toot, shall be writted to the amount paid by the claim for the very shall be deemed waived unless made in writing and received by Caedinal within 30 days after completion of the applications, the processing within 30 days after completion of the applications, the processing within 30 days after completion of the applications. One of the applications of the applicati | 6 | | G ∨ ∨ S O | CONTAINERS ROUNDWATER VASTEWATER OIL OIL SLUDGE OTHER: ACID/BASE: | MATRIX | Fax#: | SVD # 00 State: | | Address | Attn: \ | Comp | P.O. # | |
| CHECKED BY: TO (Initials) | Market | shall be limited to the amount paid by add by Cardinal within 30 days after co use, or loss of profits incurred by client use, or many of the above stated reason | < | | - 1 | DATE | PRESERV. SAMPLING | | #: | | SS: | Attn: Ni Unoles Pools | Company: Tetra Truch | | BILL TO |
| Turnaround Time: Thermometer ID #140 Correction Factor 0°C | REMARKS: | und paid by the client for the yea after completion of the applicable and by clear, it is subsidiarities. Vertball Result: Yes | - | | × | TPH BTE | | | | | | P | | | |
| Standard Ba Rush A Cod PAC 24 HR TAT Ba Reene@cardinallabsnm.com | REMARKS: Choics. Pooke Fetretch.com REMARKS: | es 🗆 No Add" | - | | X | BTE | -10 | de | | | | | | | MINALIOIO |
| Bacteria (only) Sample Condition Cool Intact Observed Temp Yes Yes No No Corrected Temp | tatech.co | Add'l Phone #: | | | - | | | | | | | - | | | 100 |
| Imple Condition Observed Temp. °C Corrected Temp. °C | 5) | | | | | | | | | | | | | | |



May 06, 2024

NICHOLAS POOLE
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: COTTONWOOD 36 STATE SWD #001

Enclosed are the results of analyses for samples received by the laboratory on 05/03/24 14:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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/ga/lab accred certif.html.

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

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

Celey D. Keene

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 05/03/2024 Sampling Date: 05/03/2024

Reported: 05/06/2024 Sampling Type: Soil

Project Name: COTTONWOOD 36 STATE SWD #001 Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 03260 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY CO NM

Sample ID: FS - 6 (H242411-01)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.96 | 98.0 | 2.00 | 1.16 | |
| Toluene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.97 | 98.3 | 2.00 | 1.65 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.98 | 98.9 | 2.00 | 1.59 | |
| Total Xylenes* | <0.150 | 0.150 | 05/03/2024 | ND | 5.75 | 95.8 | 6.00 | 1.42 | |
| Total BTEX | <0.300 | 0.300 | 05/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 05/06/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/04/2024 | ND | 213 | 107 | 200 | 1.91 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/04/2024 | ND | 227 | 114 | 200 | 0.576 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/04/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.3 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.1 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

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

Received: 05/03/2024 Sampling Date: 05/03/2024

Reported: Sampling Type: 05/06/2024 Soil

Project Name: COTTONWOOD 36 STATE SWD #001 Sampling Condition: ** (See Notes) Project Number: 212C - MD - 03260 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY CO NM

Sample ID: FS - 7 (H242411-02)

| BTEX 8021B | mg, | 'kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.96 | 98.0 | 2.00 | 1.16 | |
| Toluene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.97 | 98.3 | 2.00 | 1.65 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.98 | 98.9 | 2.00 | 1.59 | |
| Total Xylenes* | <0.150 | 0.150 | 05/03/2024 | ND | 5.75 | 95.8 | 6.00 | 1.42 | |
| Total BTEX | <0.300 | 0.300 | 05/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | 'kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 05/06/2024 | 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 | 05/04/2024 | ND | 213 | 107 | 200 | 1.91 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/04/2024 | ND | 227 | 114 | 200 | 0.576 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/04/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 83.0 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 88.2 | % 49.1-14 | 8 | | | | | | |

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Analytical Results For:

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

Received: 05/03/2024 Sampling Date: 05/03/2024

Reported: 05/06/2024 Sampling Type: Soil

Project Name: COTTONWOOD 36 STATE SWD #001 Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 03260 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY CO NM

mg/kg

Sample ID: FS - 8 (H242411-03)

BTEX 8021B

| | <u> </u> | | | • • | | | | | |
|--------------------------------------|----------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.96 | 98.0 | 2.00 | 1.16 | |
| Toluene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.97 | 98.3 | 2.00 | 1.65 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.98 | 98.9 | 2.00 | 1.59 | |
| Total Xylenes* | <0.150 | 0.150 | 05/03/2024 | ND | 5.75 | 95.8 | 6.00 | 1.42 | |
| Total BTEX | <0.300 | 0.300 | 05/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.2 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 05/06/2024 | 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 | 05/04/2024 | ND | 213 | 107 | 200 | 1.91 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/04/2024 | ND | 227 | 114 | 200 | 0.576 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/04/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 81.8 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 85.5 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

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

Received: 05/03/2024 Sampling Date: 05/03/2024

Reported: 05/06/2024 Sampling Type: Soil

Project Name: COTTONWOOD 36 STATE SWD #001 Sampling Condition: ** (See Notes)

Project Number: 212C - MD - 03260 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY CO NM

mg/kg

Sample ID: FS - 9 (H242411-04)

BTEX 8021B

| | 9, | 9 | 7 | 7: 5:: | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.96 | 98.0 | 2.00 | 1.16 | |
| Toluene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.97 | 98.3 | 2.00 | 1.65 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.98 | 98.9 | 2.00 | 1.59 | |
| Total Xylenes* | <0.150 | 0.150 | 05/03/2024 | ND | 5.75 | 95.8 | 6.00 | 1.42 | |
| Total BTEX | <0.300 | 0.300 | 05/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.6 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 05/06/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/04/2024 | ND | 200 | 99.9 | 200 | 2.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/04/2024 | ND | 196 | 98.1 | 200 | 2.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/04/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.4 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 117 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

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

Received: 05/03/2024 Sampling Date: 05/03/2024

Reported: Sampling Type: 05/06/2024 Soil

Project Name: COTTONWOOD 36 STATE SWD #001 Sampling Condition: ** (See Notes) Project Number: 212C - MD - 03260 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY CO NM

Sample ID: FS - 10 (H242411-05)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.96 | 98.0 | 2.00 | 1.16 | |
| Toluene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.97 | 98.3 | 2.00 | 1.65 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.98 | 98.9 | 2.00 | 1.59 | |
| Total Xylenes* | <0.150 | 0.150 | 05/03/2024 | ND | 5.75 | 95.8 | 6.00 | 1.42 | |
| Total BTEX | <0.300 | 0.300 | 05/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 05/06/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/04/2024 | ND | 200 | 99.9 | 200 | 2.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/04/2024 | ND | 196 | 98.1 | 200 | 2.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/04/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 83.4 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 101 9 | % 49.1-14 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

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

Received: 05/03/2024 Sampling Date: 05/03/2024

Reported: Sampling Type: 05/06/2024 Soil

Project Name: COTTONWOOD 36 STATE SWD #001 Sampling Condition: ** (See Notes) Project Number: 212C - MD - 03260 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY CO NM

Sample ID: SSW - 1 (H242411-06)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.96 | 98.0 | 2.00 | 1.16 | |
| Toluene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.97 | 98.3 | 2.00 | 1.65 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.98 | 98.9 | 2.00 | 1.59 | |
| Total Xylenes* | <0.150 | 0.150 | 05/03/2024 | ND | 5.75 | 95.8 | 6.00 | 1.42 | |
| Total BTEX | <0.300 | 0.300 | 05/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg/ | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 05/06/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/04/2024 | ND | 200 | 99.9 | 200 | 2.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/04/2024 | ND | 196 | 98.1 | 200 | 2.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/04/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.1 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 113 9 | % 49.1-14 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 05/03/2024 Sampling Date: 05/03/2024

Reported: 05/06/2024 Sampling Type: Soil

Project Name: COTTONWOOD 36 STATE SWD #001 Sampling Condition: ** (See Notes) Tamara Oldaker Project Number: 212C - MD - 03260 Sample Received By:

Project Location: COP - EDDY CO NM

Sample ID: SSW - 2 (H242411-07)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.96 | 98.0 | 2.00 | 1.16 | |
| Toluene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.97 | 98.3 | 2.00 | 1.65 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.98 | 98.9 | 2.00 | 1.59 | |
| Total Xylenes* | <0.150 | 0.150 | 05/03/2024 | ND | 5.75 | 95.8 | 6.00 | 1.42 | |
| Total BTEX | <0.300 | 0.300 | 05/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.8 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 05/06/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/04/2024 | ND | 200 | 99.9 | 200 | 2.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/04/2024 | ND | 196 | 98.1 | 200 | 2.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/04/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.5 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 117 9 | % 49.1-14 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 05/03/2024 Sampling Date: 05/03/2024

Reported: 05/06/2024 Sampling Type: Soil Project Name: COTTONWOOD 36 STATE SWD #001

Sampling Condition: ** (See Notes) Project Number: Sample Received By: 212C - MD - 03260 Tamara Oldaker

Project Location: COP - EDDY CO NM

Sample ID: WSW - 3 (H242411-08)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.96 | 98.0 | 2.00 | 1.16 | |
| Toluene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.97 | 98.3 | 2.00 | 1.65 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.98 | 98.9 | 2.00 | 1.59 | |
| Total Xylenes* | <0.150 | 0.150 | 05/03/2024 | ND | 5.75 | 95.8 | 6.00 | 1.42 | |
| Total BTEX | <0.300 | 0.300 | 05/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.5 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 05/06/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/04/2024 | ND | 200 | 99.9 | 200 | 2.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/04/2024 | ND | 196 | 98.1 | 200 | 2.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/04/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 114 % | 6 49.1-14 | 8 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celecy D. Keene



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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Relinquished Sy: Relinquished By: | PLEASE NOTE: Liability and analyses. All claims including service. In no event shall Card | A |] ei | ٨٢١ | 7a | 1241 | | Lab I.D. | FOR LAB USE ONLY | Project Location: | | : 2120 | ne #: | City: | | | Company Name: |
|--|---|---|----------|-------|------|------|------------|-----|---|------------------|-------------------|-------------------------------|------------------------------|---------|----------------------|---------------------|----------------|---------------|
| | Relinquished By: | PLEASE NOTE: Labelity and Damages. Cardina's liability and client's exclusive remedy for any claim arising whether based in contract or ton, shall be timbed to the amount paid by the client, for the presence of the property of the client for the paper of the paper | WSW-3 | SSW-1 | 6-83 | £-8- | 18-6 | | Sample I.D. | | Production of | Cottonwood 36 Strees SWD #001 | 212(-MD-03260 Project Owner: | | | 2 2 2 2 2 2 | Conoca la work | 979) 333-2323 |
| Observed Temp. °C 1.9 °C Corrected Temp. °C | Date: 5/3/24 Time: Date: 1/4/0/3 Date: | client's exclusive remedy for any cla her cause whatsoever shall be deem neequental damages, including with noe of services bereunder by Cardin | w | | | | | | Ė | | Co Z | 1 36 State | Project Owner: | Fax#: | State: | - | Park | a. Li |
| 9. C San | Received By: | my claim arising whether deemed waived unless r g without limitation, busin Cardinal, regardless of w | E | | | | - 6 | # C | RAB OR (C)OMF ONTAINERS OUNDWATER STEWATER | | | A CMC & | | | Zip: | | | |
| Temp. °C Cool Intact (Initials) Thermometer ID #140 No N | inas : | ther based in contract or tort, shall see made in writing and received to usiness interruptions, loss of use, of whether such claim is based | - | | | | - x | ОТ | | MATRIX | Fax #: | Phone #: | | Address | Attn: | Comp | P.O. #: | |
| (Initials) | | shall be limited to the d by Cardinal within se, or loss of profits ! | • | | | H | —× | OT | HER: | PRESERV. | | e #: | | 355: | Zichol | Company: Fot a tech | 100 | BILL TO |
| BY: Turnard Thermod Correcti | All Results an All Results Ann Ann Ann | amount paid by the client for the 30 days after completion of the a incurred by client, its subsidiaries, over stated reasons or otherwise. | | 1000 | 915 | 630 | 5/3 800 | | | SAMPLING | | | | | Attn: NICholas Poole | stech | | 70 |
| Turnaround Time: Thermometer ID #140 Correction Factor 9°C | 5 5 8 es | 87 | Ç | | | | - × | | TPH | | _ | | | | | | | |
| 40 74 C 74 | siled. Ple | □ Yes | | | | | _ \ _ \ | | BTEX | 1 | _ | _ | - | | | | | 1 |
| Standard K | ease provide Email | No. | | | | | | + | Untori | ما | , | | | | | | | |
| Som Co | the consil a | Add'l Phone #: | | | | | | I | | | | | | | | | | ANALYSIS |
| Bacteria (omy) Cool Intact Yes Yes No No | tet a | one #: | + | + | | | | + | | | | | | | | | | |
| 0 % | address: retechnics restechnics tetactechnics | 1. | | | | | | 1 | | | | | | | | | - | REQUEST |
| Bacterial (only) compared Temp. °C Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C | Condition | | | | | | | - | - 1 | | | | | | | | | - |
| | | | | - | | + | ++ | + | | _ | | _ | | | | _ | | 1 |



May 07, 2024

NICHOLAS POOLE
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: COTTONWOOD 36 STATE SWD #001

Enclosed are the results of analyses for samples received by the laboratory on 05/06/24 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 05/06/2024 Sampling Date: 05/06/2024

Reported: 05/07/2024 Sampling Type: Soil

Project Name: COTTONWOOD 36 STATE SWD #001 Sampling Condition: Cool & Intact Project Number: 212C - MD - 03260 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY CO NM

Sample ID: ESW - 1 (H242440-01)

| BTEX 8021B | mg, | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/07/2024 | ND | 2.06 | 103 | 2.00 | 2.88 | |
| Toluene* | <0.050 | 0.050 | 05/07/2024 | ND | 2.04 | 102 | 2.00 | 2.92 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/07/2024 | ND | 2.01 | 100 | 2.00 | 3.21 | |
| Total Xylenes* | <0.150 | 0.150 | 05/07/2024 | ND | 5.92 | 98.7 | 6.00 | 3.56 | |
| Total BTEX | <0.300 | 0.300 | 05/07/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 88.4 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 336 | 16.0 | 05/07/2024 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg, | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/07/2024 | ND | 210 | 105 | 200 | 0.109 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/07/2024 | ND | 204 | 102 | 200 | 3.73 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/07/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 107 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 88.3 | % 49.1-14 | 8 | | | | | | |

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Celey D. Keine



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

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

Relinquished By:

Andrew Garcia

May 6, 24
Time:
1645

Received By:

REMARKS:

All Results are emailed. Please provide Email address:

□ No Add'I Phone #:

Nicholas. Poole @ tetatechican Christian. LINU exchatech. car

Verbal Result: ☐ Yes

Received

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

Observed Temp. °C Corrected Temp. °C

Sample Condition

CHECKED BY:

Andres.

Garcia

etetratech.com

Cool Intact

Observed Temp. °C Corrected Temp, °C

Bacteria (only) Sample Condition

Standard

Time:

Relinquished 3y:

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | (3/3) 333"2320 1 75 (3/3) 333"27" | 41.0 | | | | 1 | ١ | | | - 1 | 101 | |
|---|--|--|------------------------|--|--|-----------------------------------|--------|------|----------|------------|------|---|
| Company Name: (| Coroco Phillips | | | | BILL TO | + | | | ANALYSIS | IS KEQUEST | JEST | 1 |
| Project Manager: | Nicholas, Poole etaletanian | totate | | P.O. #: | | | | | | | | |
| Address: | | | - | ompany: A | Company: Fetratech | _ | | | | | | |
| City: | State: | Zip: | | Attn: Zic | Attn: Nicholas Poole | 8 | | | | | | |
| Phone #: | Fax #: | | | Address: | | L | | | | | | |
| Project #: 2126-MD-03260 | MD- 03260 Project Owner: | ח | | City: | | | | | | | | |
| Project Name: Co | Project Name: Cottonwood 36 State SWD #001 | SWD #C | | State: | Zip: | | | | | | | |
| Project Location: | Eddy Co, NM | | | Phone #: | | | _ | | | | | |
| Sampler Name: | Sampler Name: And draw Golf cla | | | Fax #: | | | - | | | | | |
| Lab I.D. | Sample I.D. | G)RAB OR (C)OMP. CONTAINERS GROUNDWATER VASTEWATER | OIL NATRIX | OTHER: ACID/BASE: CE / COOL OTHER: | SAMPLING | Chlorides | TPH | BTEX | | | | |
| | €S\J - 1 | | × | × | may 6 1230 | × | × | × | | 7 | | |
| | | | | | | | | | | | | |
| PLEASE NOTE: Liability and Dranalyses. All claims including the | PLEASE NOTE: Lability and Damages. Cardmat's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be larriade to the amount paid by the client for the publicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardmat within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardmat within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardmat within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed unless made in writing and received by Cardmat within 30 days after completion of the applicable analyses. | any claim ansing whethe e deemed waived unless | er based in contract o | act or tort, shall be lentled to the amount paid by the client for the and received by Cardinal within 30 days after completion of the section of the sectio | the amount paid by the thin 30 days after complete the co | client for the ston of the app | dcable | | | | | |

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

Thermometer ID #140 Correction Factor 0°C Turnaround Time:

IN HR TAT



May 07, 2024

NICHOLAS POOLE
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: COTTONWOOD 36 STATE SWD #001

Enclosed are the results of analyses for samples received by the laboratory on 05/06/24 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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/ga/lab accred certif.html.

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

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

Celey D. Keene

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 05/06/2024 Sampling Date: 05/06/2024

Reported: 05/07/2024 Sampling Type: Soil

Project Name: COTTONWOOD 36 STATE SWD #001 Sampling Condition: Cool & Intact
Project Number: 212C - MD - 03260 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY CO NM

mg/kg

Sample ID: WSW - 1 (4') (H242441-01)

BTEX 8021B

| BIEX GOEIB | 9/ | 119 | Anaryzo | a 2 y : 3 : 1 | | | | | |
|--------------------------------------|--------|-----------------|------------|---------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/07/2024 | ND | 2.06 | 103 | 2.00 | 2.88 | |
| Toluene* | <0.050 | 0.050 | 05/07/2024 | ND | 2.04 | 102 | 2.00 | 2.92 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/07/2024 | ND | 2.01 | 100 | 2.00 | 3.21 | |
| Total Xylenes* | <0.150 | 0.150 | 05/07/2024 | ND | 5.92 | 98.7 | 6.00 | 3.56 | |
| Total BTEX | <0.300 | 0.300 | 05/07/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 88.2 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | ed By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 400 | 16.0 | 05/07/2024 | ND | 432 | 108 | 400 | 3.64 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/07/2024 | ND | 211 | 105 | 200 | 3.01 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/07/2024 | ND | 195 | 97.7 | 200 | 10.2 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/07/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.8 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 94.6 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

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Celey D. Keene



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

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



| Relinquished By: Delivered By: (Circle One) Sampler - UPS - Bus - Other: | DI ENSE NOTE: Linkley and Dans | Lab I.D. | ity: hone #: roject #: 212C-MO-03260 roject Name: Cottonwoo roject Location: Eddy Co, sampler Name: Andrw | ompany Name: roject Manager: ddress: |
|---|---|---|---|--|
| | opes Cardinal's links | Sample I.D. | Fax #: C-MD-03260 Project Owner: Cottonwood 36 State 1: Eddy Co, NM Andrew Garaa | (575) 393-2326 FAX (575) 393-2476 CONOCO PHILLIPS NICHORS, Poole etc |
| | | (4) | Project Owner: A 31 S hat | Nicholes. Poole explasted |
| Received | 8 9. | ☐ (G)RAB OR (C)OMP. — # CONTAINERS GROUNDWATER WASTEWATER X SOIL OIL | SWD HOO! | ot este on, con |
| ed the administration of the administration | miled to the amo | SLUDGE OTHER: ACID/BASE: X ICE / COOL OTHER: | | P.O. #: Company: FLtradech Attn: Nicholas Pook |
| All Results are emailed. All Charles. Turnaround Time: Turnaround Time: Thermometer ID \$140 Correction Factor 0°C | and to the amount paid by the client for the test within 30 days after completion of the applicable | DATE TIME Chloride | | Pook |
| Byes BNO incomplete Please provide E alas. Poole e alas Carcia e alas Standard E Rush #40 14 HR TAT | | X TPH X BTEX | | |
| ide Email i | | <i>y</i> | | ANALYSIS REGOES |
| rateun: construction (only) Sample Condition Bacteria (only) Sample Condition Cool Infact Observed Temp. °C I Yes Yes Corrected Temp. °C | | | | |
| ദ് റ് | | | | |

Page 4 of 4



May 06, 2024

NICHOLAS POOLE
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: R360 RED BLUFF

Enclosed are the results of analyses for samples received by the laboratory on 05/03/24 14:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 05/03/2024 Sampling Date: 05/03/2024 Reported: 05/06/2024 Sampling Type: Soil

** (See Notes) Project Name: R360 RED BLUFF Sampling Condition: Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: COP - ORLA, TX

Sample ID: BACKFILL - COMPOSITE (H242412-01)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.96 | 98.0 | 2.00 | 1.16 | |
| Toluene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.97 | 98.3 | 2.00 | 1.65 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/03/2024 | ND | 1.98 | 98.9 | 2.00 | 1.59 | |
| Total Xylenes* | <0.150 | 0.150 | 05/03/2024 | ND | 5.75 | 95.8 | 6.00 | 1.42 | |
| Total BTEX | <0.300 | 0.300 | 05/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500CI-B | mg/ | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 05/06/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 05/04/2024 | ND | 200 | 99.9 | 200 | 2.22 | |
| DRO >C10-C28* | <10.0 | 10.0 | 05/04/2024 | ND | 196 | 98.1 | 200 | 2.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 05/04/2024 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.1 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 115 % | % 49.1-14 | 18 | | | | | | |

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Celey D. Keine



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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Celey D. Keine

Relinquished By:

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

Date: \$124 Time: 0.8 124 Time: 0.8 0.8 Corrected Temp. °C Corrected Temp. °C

Sample Condition
Cool Intact
Yes 77es
No No

CHECKED BY:

Turnaround Time:

REMARKS:

Andre. Gara a tot rate on som

Relinquished 3y:

Andre Garcie

Date: 5/3/24
Time: 1406

Received By:

All Results are emailed. Please provide Email address:

O No

Add'I Phone #:

Michales Poole e tetratech com

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

| Company Name: | Connes philling | | BILL TO | ANALYSIS REQUEST |
|---|--|---|--|-----------------------|
| Project Manager: | Nicholas Pools | | P.O. #: | |
| Address: | | | Company: Fetated | |
| City: | State: | Zip: | Attn: Nicholes Pola | |
| Phone #: | Fax#: | | Address: | |
| Project #: | Project Owner: | | City: | |
| Project Name: | R3CO Red Bluff | | State: Zip: | |
| Project Location: | Project Location: A Eddy Co. NAA RS 5053 US HUY | | Phone #: | |
| Sampler Name: | Andrew Garcia | | Fax #: | 5 |
| FOR LAB USE ONLY | | MATRIX | PRESERV. SAMPLING | |
| Lab I.D. | Sample I.D. | OIL SLUDGE | OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME | TOH BTEX Unlord |
| | Backfill-Composite | <u>C</u> : | _ | × × × |
| | | | | |
| | | | | |
| PLEASE NOTE: Liability and analyses. All claims including | PLEASE NOTE: Lability and Damages, Cardinal's liability and client's exclusive remady for any claim analog whether based in contract or lon, shall be landed to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatspower shall be deemed washed unless made in writing and received by Cardinal within 30 days after completion of the a | for any claim ansing whether based in contract or be deemed waived unless made in writing and n | PLEASE NOTE: Lability and Damages. Cardina's liability and client's exclusive remedy for any claim ansing whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable | e applicable |

Thermometer ID #140 Correction Factor 0°C

Standard Rush

Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C
| Yes | Yes
| No | No Corrected Temp. °C

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

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District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 355991

QUESTIONS

| Operator: | OGRID: |
|--------------------|--|
| COG OPERATING LLC | 229137 |
| 600 W Illinois Ave | Action Number: |
| Midland, TX 79701 | 355991 |
| | Action Type: |
| | [C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

QUESTIONS

| Prerequisites | |
|------------------|---|
| Incident ID (n#) | nAB1714231263 |
| Incident Name | NAB1714231263 COTTONWOOD 36 STATE SWD #001 @ 30-015-29560 |
| Incident Type | Produced Water Release |
| Incident Status | Reclamation Report Received |
| Incident Well | [30-015-29560] COTTONWOOD 36 STATE SWD #001 |

| Location of Release Source | |
|--|------------------------------|
| Please answer all the questions in this group. | |
| Site Name | COTTONWOOD 36 STATE SWD #001 |
| Date Release Discovered 05/15/2017 | |
| Surface Owner | Federal |

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

| Nature and Volume of Release | |
|--|---|
| Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. | |
| Crude Oil Released (bbls) Details | Cause: Human Error Truck Crude Oil Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL. |
| Produced Water Released (bbls) Details | Cause: Human Error Truck Produced Water Released: 7 BBL Recovered: 6 BBL Lost: 1 BBL. |
| Is the concentration of chloride in the produced water >10,000 mg/l | No |
| Condensate Released (bbls) Details | Not answered. |
| Natural Gas Vented (Mcf) Details | Not answered. |
| Natural Gas Flared (Mcf) Details | Not answered. |
| Other Released Details | Not answered. |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | Not answered. |

District I

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District III
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Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 2

Action 355991

| | QUESTIONS (continued) |
|-------------------|-----------------------|
| erator: | OGRID: |
| COG OPERATING LLC | 229137 |

COG OPERATING LLC
600 W Illinois Ave
Midland, TX 79701

Action Number:
355991

Action Type:
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Op

| Nature and Volume of Release (continued) | |
|---|---|
| Is this a gas only submission (i.e. only significant Mcf values reported) | No, according to supplied volumes this does not appear to be a "gas only" report. |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | No |
| Reasons why this would be considered a submission for a notification of a major release | Unavailable. |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form. | |

| nitial Response | | |
|--|---------------|--|
| The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury. | | |
| The source of the release has been stopped | True | |
| The impacted area has been secured to protect human health and the environment | True | |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True | |
| All free liquids and recoverable materials have been removed and managed appropriately | True | |
| If all the actions described above have not been undertaken, explain why | Not answered. | |

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

Title: Project Manager
Email: christian.llull@tetratech.com
Date: 06/19/2024

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III 1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170

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

QUESTIONS, Page 3

Action 355991

QUESTIONS (continued)

| Operator: | OGRID: |
|--------------------|--|
| COG OPERATING LLC | 229137 |
| 600 W Illinois Ave | Action Number: |
| Midland, TX 79701 | 355991 |
| | Action Type: |
| | [C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

QUESTIONS

| Site Characterization | Site Characterization | |
|---|---------------------------------|--|
| Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs) | Between 26 and 50 (ft.) | |
| What method was used to determine the depth to ground water | NM OSE iWaters Database Search | |
| Did this release impact groundwater or surface water | No | |
| What is the minimum distance, between the closest lateral extents of the release ar | nd the following surface areas: | |
| A continuously flowing watercourse or any other significant watercourse | Between ½ and 1 (mi.) | |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Greater than 5 (mi.) | |
| An occupied permanent residence, school, hospital, institution, or church | Greater than 5 (mi.) | |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | Between 1 and 5 (mi.) | |
| Any other fresh water well or spring | Between 1 and 5 (mi.) | |
| Incorporated municipal boundaries or a defined municipal fresh water well field | Greater than 5 (mi.) | |
| A wetland | Greater than 5 (mi.) | |
| A subsurface mine | Greater than 5 (mi.) | |
| An (non-karst) unstable area | Greater than 5 (mi.) | |
| Categorize the risk of this well / site being in a karst geology | High | |
| A 100-year floodplain | Between 1 and 5 (mi.) | |
| Did the release impact areas not on an exploration, development, production, or storage site | No | |

| vided to the appropriate district office no later than 90 days after the release discovery date. | | |
|---|--|--|
| Yes | | |
| mination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. | | |
| Yes | | |
| No | | |
| h, in milligrams per kilograms.) | | |
| 7620 | | |
| 0 | | |
| 0 | | |
| 0 | | |
| 0 | | |
| Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation. | | |
| 04/30/2024 | | |
| 05/02/2024 | | |
| 05/07/2024 | | |
| 1992 | | |
| 288 | | |
| 1992 | | |
| 288 | | |
| tion at the time of submission and may (be) change(d) over time as more remediation efforts are completed. | | |
| ŀ | | |

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

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 **District III**

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 **District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 4

Action 355991

| QUESTIONS | (continued) |
|-----------|-------------|
| | |

| Operator: | OGRID: |
|--------------------|--|
| COG OPERATING LLC | 229137 |
| 600 W Illinois Ave | Action Number: |
| Midland, TX 79701 | 355991 |
| | Action Type: |
| | [C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

QUESTIONS

| Remediation Plan (continued) | |
|---|-------------------------|
| Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. | |
| This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants: | |
| (Select all answers below that apply.) | |
| (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) | Yes |
| Which OCD approved facility will be used for off-site disposal | Not answered. |
| OR which OCD approved well (API) will be used for off-site disposal | Not answered. |
| OR is the off-site disposal site, to be used, out-of-state | Yes |
| In which state is the disposal taking place | ΤX |
| What is the name of the out-of-state facility | R360 RED BLUFF FACILITY |
| OR is the off-site disposal site, to be used, an NMED facility | Not answered. |
| (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) | Not answered. |
| (In Situ) Soil Vapor Extraction | Not answered. |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) | Not answered. |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) | Not answered. |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) | Not answered. |
| Ground Water Abatement pursuant to 19.15.30 NMAC | Not answered. |
| OTHER (Non-listed remedial process) | Not answered. |

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

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

I hereby agree and sign off to the above statement

Name: Christian LLuLL Title: Project Manager

Email: christian.llull@tetratech.com

Date: 06/19/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I
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Phone: (575) 393-6161 Fax: (575) 393-0720 District II

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

QUESTIONS, Page 5

Action 355991

QUESTIONS (continued)

| Operator: | OGRID: |
|--------------------|--|
| COG OPERATING LLC | 229137 |
| 600 W Illinois Ave | Action Number: |
| Midland, TX 79701 | 355991 |
| | Action Type: |
| | [C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

QUESTIONS

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

District I

1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720

<u>District II</u> 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 **District III**

1000 Rio Brazos Rd., Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

QUESTIONS, Page 6

Action 355991

| QUESTIONS | (continued) |
|-----------|-------------|
| | |

| Operator: | OGRID: |
|--------------------|--|
| COG OPERATING LLC | 229137 |
| 600 W Illinois Ave | Action Number: |
| Midland, TX 79701 | 355991 |
| | Action Type: |
| | [C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

QUESTIONS

| Sampling Event Information | |
|---|------------|
| Last sampling notification (C-141N) recorded | 338159 |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 05/01/2024 |
| What was the (estimated) number of samples that were to be gathered | 20 |
| What was the sampling surface area in square feet | 2000 |

| Remediation Closure Request | |
|--|---|
| Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed. | |
| Requesting a remediation closure approval with this submission | Yes |
| Have the lateral and vertical extents of contamination been fully delineated | Yes |
| Was this release entirely contained within a lined containment area | No |
| All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion | Yes |
| What was the total surface area (in square feet) remediated | 1992 |
| What was the total volume (cubic yards) remediated | 288 |
| All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene | Yes |
| What was the total surface area (in square feet) reclaimed | 1992 |
| What was the total volume (in cubic yards) reclaimed | 288 |
| Summarize any additional remediation activities not included by answers (above) | Impacted soils were excavated as indicated in Figure 4. The areas within the release footprint were excavated to a maximum depth of 4 feet below surrounding grade. As stipulated in the approved Work Plan, the remedial action area was horizontally delineated during remediation activities. The area initially proposed in the approved Work Plan was widened based on in-field screening results. |

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

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

Name: Christian LLuLL
Title: Project Manager
Email: christian.llull@tetratech.com
Date: 06/19/2024

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 **District II**

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

QUESTIONS, Page 7

Action 355991

| QUESTIONS | (continued) |
|-----------|-------------|
| | |

| Operator: | OGRID: |
|--------------------|--|
| COG OPERATING LLC | 229137 |
| 600 W Illinois Ave | Action Number: |
| Midland, TX 79701 | 355991 |
| | Action Type: |
| | [C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

QUESTIONS

| Reclamation Report | | |
|--|---|--|
| Only answer the questions in this group if all reclamation steps have been completed. | | |
| Requesting a reclamation approval with this submission | Yes | |
| What was the total reclamation surface area (in square feet) for this site | 1992 | |
| What was the total volume of replacement material (in cubic yards) for this site | 288 | |
| Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater. | | |
| Is the soil top layer complete and is it suitable material to establish vegetation | Yes | |
| On what (estimated) date will (or was) the reseeding commence(d) | 06/24/2030 | |
| Summarize any additional reclamation activities not included by answers (above) | Once acceptable confirmation sample results were received, the excavation was backfilled with clean material to pre-release grade. In accordance with 19.15.29.12 NMAC, the backfilled area contained nonwaste containing, uncontaminated, material with chloride concentrations less than 600 mg/kg as analyzed by SM4500Cl-B. One (1) representative 5-point composite sample was collected from the backfill material used for the backfill of the project site. | |
| The responsible party must attach information demonstration they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form | | |

The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 |
NMAC.

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

Name: Christian LLuLL
Title: Project Manager
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Date: 06/19/2024

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

QUESTIONS, Page 8

Action 355991

QUESTIONS (continued)

| Operator: | OGRID: |
|--------------------|--|
| COG OPERATING LLC | 229137 |
| 600 W Illinois Ave | Action Number: |
| Midland, TX 79701 | 355991 |
| | Action Type: |
| | [C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

QUESTIONS

| Revegetation Report | |
|--|----|
| Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied. | |
| Requesting a restoration complete approval with this submission | No |
| Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete. | |

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

CONDITIONS

Action 355991

CONDITIONS

| Operator: | OGRID: |
|--------------------|--|
| COG OPERATING LLC | 229137 |
| 600 W Illinois Ave | Action Number: |
| Midland, TX 79701 | 355991 |
| | Action Type: |
| | [C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

CONDITIONS

| Created By | Condition | Condition Date |
|---------------|--|-------------------|
| bhall | Closure and reclamation report approved. | 6/21/2024 |
| bhall | A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable. | 6/21/2024 |
| bhall | All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved. | 6/21/2024 |
| bhall | Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website. | 6/21/2024 |
| bhall | Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC | 6/21/2024 |