



November 6, 2024

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

**Re: Interim Remediation Report and Deferral Request  
ConocoPhillips  
Wilder CTB Vessel Release  
Unit Letter A, Section 29, Township 26 South, and Range 32 East  
Lea County, New Mexico  
Incident ID NAPP2317132356**

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (COP) to assess a release that occurred from a vessel associated with the Wilder Central Tank Battery (CTB). The release footprint is located in Public Land Survey System (PLSS) Unit Letters A, Section 29, Township 26 South, and Range 32 East, Lea County, New Mexico (Site). The release site coordinates are 32.0200°, -103.6894°. The Site location is shown on Figures 1 and 2.

## BACKGROUND

According to the State of New Mexico Form C-141 Initial Report (Appendix A), the release was discovered on June 11, 2023. The release was reported as the result of a weld failure on the "gas buster" due to equipment failure. A "gas buster" is a simple separator vessel used to remove free or entrained gas from fluids. The gas buster typically comprises a vessel containing a series of baffles with a liquid exit on the bottom and a gas-vent line at the top of the vessel. 19.22 barrels (bbls) of produced water were reported released, of which 15 bbls were recovered. The spill calculator included with the Form C-141 indicates the release area to be 4,114 square feet. The New Mexico Oil Conservation District (NMOCD) received the initial Form C-141 report form for the release on June 21, 2023. The NMOCD Incident ID for this release is NAPP2317132356.

On behalf of ConocoPhillips, Tetra Tech requested a 90-day extension on September 7, 2023 to complete assessment and associated reporting for the Release site. The extension request was approved the following day.

Before remedial activities could begin to address the June 2023 release, a subsequent release occurred within the Wilder CTB Facility. According to the State of New Mexico Form C-141 Initial Report, the release was discovered on February 8, 2024. The release was reported as the result of an oil tank overflow. The release was on-pad within Wilder CTB Facility containment berm. 86.3 barrels (bbls) of crude oil were reported released, of which 70 bbls were recovered. The spill calculator included with the Form C-141 indicates the release area to be 9,488 square feet. The New Mexico Oil Conservation District (NMOCD) received the initial Form C-141 report form for the release on April 2, 2024. The February 2024 release overlapped the previous release footprint discovered at the Wilder CTB on June 11, 2023.

Tetra Tech

901 West Wall St., Suite 100, Midland, TX 79701

Tel 432.682.4559 Fax 432.682.3946 www.tetrattech.com

## SITE CHARACTERIZATION

A site characterization was performed and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, stream bodies, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC). The Site is in an area of medium karst potential.

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are no wells within ½ mile (800 meters) of the Site with available water level data. The search radius was expanded and based on available data from three (3) water wells located with 950 meters (approximately 0.59 miles) of the Site, the average depth to groundwater is 278 ft below ground surface (bgs) with a minimum depth to groundwater of 180 feet bgs. The site characterization data is included as Appendix B.

## LAND OWNERSHIP

The Site is located on land managed by the Bureau of Land Management (BLM). The release footprint is wholly contained within developed on-pad areas. Following a historical release in the pasture area just west of the battery (NAPP230034271), a cultural survey of the surrounding vicinity was conducted by Goshawk Environmental Consulting. The area was negative for cultural resources. The BLM cleared the NAPP230034271 incident footprint (off-pad areas) for remediation activities following a review of the survey. This Work Plan will be provided to the BLM for review and approval prior to conducting remedial action.

## REGULATORY FRAMEWORK

Based upon the release footprint location (on-pad and in areas immediately under or around production equipment) and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used in attempt 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	Site RRALs
Chloride	20,000 mg/kg
TPH (GRO+DRO+MRO)	2,500 mg/kg
GRO+DRO	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

## SITE ASSESSMENT AND SAMPLING RESULTS

Prior to the initiation of the additional assessment activities, COP provided photographs of the release area immediately following the February 2024 incident. These photographs show fluids within the majority of the bermed tank battery. Photographic documentation is included in Appendix C.

Tetra Tech personnel were onsite to delineate and sample the release area and the surrounding vicinity in September 2023. Soil samples were collected from seven (7) locations within and around the release to evaluate the vertical and horizontal extent of the release. AH-1 and AH-2 were installed via hand auger to depths of 4 feet bgs and 2 feet bgs, respectively. Trenches T-1 through T-4 were installed around the perimeter of the release footprint to depths of 2 feet bgs. Trench T-5 was installed within the release footprint to a depth of 11 feet bgs. The boring locations and trench locations are shown on Figure 3.

A total of eighteen (18) samples were collected from the sample locations and transferred under chain of custody and analyzed within appropriate holding times by Cardinal Laboratories (Cardinal). The soil samples were analyzed for TPH via Method 8015 Modified, chloride via Method SM4500Cl-B, and BTEX via Method 8021B.

Results from the September 2023 soil sampling events are summarized in Table 1. Analytical results associated with T-5 and AH-1 were above RRALs for TPH in the 0-1' depth interval. All other analytical results were below RRALs. Vertical delineation was achieved at the T-5 location. Horizontal delineation was achieved at T-1 through T-4.

## WORK PLAN APPROVAL

The Release Characterization and Remediation Work Plan (Work Plan) dated October 11, 2023, was prepared based on the results of the 2023 release assessment activities and submitted to the NMOCD and BLM for approval. The Work Plan was approved on January 31, 2024.

Following the February 2024 incident, Ensolum, LLC and Tetra Tech conducted assessment activities to vertically and horizontally delineate the release associated with incident ID NAPP2403967865. Based on the results of the assessment activities, Tetra Tech, on behalf of COP, prepared and submitted a Release Characterization and Remediation Work Plan to the NMOCD. As the February 2024 release footprint overlapped the June 2023 release footprint, the Work Plan addressed both incidents. The Work Plan was approved by the NMOCD on August 8, 2024 with the following conditions:

*"The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table 1 of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The request to collect confirmation samples every 300 ft<sup>2</sup> is approved. A deferral of areas immediately under or around production equipment such as production tanks, wellheads, and pipelines where remediation could cause a major facility deconstruction can't be granted until all other areas have been remediated. The deferral request must specify which sample points are being requested for deferral including an explanation of why the contaminants can't be removed. Please submit the closure report by November 6, 2024."*

Copies of the NMOCD approvals are included in Appendix D.

## INTERIM REMEDIAL ACTION AND CONFIRMATION SAMPLING

From September 23 to October 4, 2024, Tetra Tech personnel were onsite to supervise the remediation activities proposed in the approved Work Plan, including excavation, disposal, and confirmation sampling. The NMOCD district office was notified of the confirmation sampling events via the OCD Portal. Documentation of associated regulatory correspondence is included in Appendix D.

Impacted soils were excavated as indicated in Figure 4. The areas within the release footprint were excavated to a maximum depth of 4 feet bgs. Due to safety concerns associated with working around pressurized lines and production equipment, impacted soils were excavated to the maximum extent practicable. Photographs from the excavated areas prior to backfill are provided in Appendix C. All excavated material was transported offsite for proper disposal. Approximately 293 cubic yards of material were transported to the Northern Delaware Basin Landfill in Jal, New Mexico. Copies of the waste manifests are provided in Appendix E.

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 August 2024 confirmation sampling events are summarized in Table 3. All final confirmation soil samples (floor and sidewall) were below applicable cleanup levels for chloride, TPH, and BTEX with the exception of sample location NSW-2. Analytical results for NSW-2 (2') exceeded the reclamation requirement of 100 mg/kg for TPH. The sidewall associated with NSW-2 (2') was not expanded

further due to encroachment on production lines north of the excavation in this location. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix F.

In anticipation of the impending decommissioning of the tank battery at the Wilder CTB Facility (scheduled to occur in the 1<sup>st</sup> quarter of calendar year 2025), liner material was placed along the floor and sidewalls of the remediated areas and backfilled with clean material. Following the removal of tanks, piping and other production equipment, the liner material will be removed along with the remaining impacted material for proper disposal.

In accordance with 19.15.29.12 NMAC, the remediated area contains a minimum of four feet of non-waste containing, uncontaminated, earthen material. A 5-point composite sample was collected from the backfill material used backfill the excavated areas. Soil backfill composite sampling results are summarized in Table 3. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix F.

A 30-day extension was requested by Tetra Tech on October 7, 2024, and approved by the NMOCD for a new due date of November 6, 2024. A copy of the regulatory correspondence is included in Appendix D.

## DEFERRAL REQUEST

Per NMOCD's conditions of approval, "a deferral may be granted for areas immediately under or around production equipment such as production tanks, wellheads, and pipelines where remediation could cause a major facility deconstruction". Additionally, "the deferral request must specify which sample points are being requested for deferral including an explanation of why the contaminants can be removed".

Interim remedial activities consisted of heavy machinery to remove as much contaminated soil as reasonably possible. The remaining impacted area is on a developed pad and does not pose an imminent risk to human health, the environment, or groundwater. On-site reclamation and restoration will occur once the battery is abandoned and operations have ceased at this active well pad. Any additional excavation of the impacted area located within the active battery facility would cause a major facility deconstruction, in addition to creating safety risks associated with excavating near production equipment via aggressive excavation methods (i.e., backhoe/track hoe, excavators, hydraulic hammer, etc.). These interim field activities were completed safely and without any additional unwanted releases to the environment. 19.15.29.13 NMAC will be implemented following abandonment of the tank battery and the associated pipelines and equipment. The area requested for deferral is indicated in Figure 6 and includes the area in the vicinity of boring location AH-1 and the area north of sidewall sample NSW-2 (2').

As mentioned previously, the facility is currently planned for decommissioning in the 1<sup>st</sup> quarter of calendar year 2025, at which time COP plans to conduct a full remediation of the associated incidents at the site. Following remediation activities at the Wilder CTB Facility, the area will continue to be used for production purposes. Therefore, final reclamation and restoration of the area will not occur until the Site is no longer being used for production.

## CONCLUSION

As described above, the facility is currently active. The remedial work completed was successful in removing impacted soils to a maximum depth of 4 feet bgs in accessible areas. ConocoPhillips respectfully requests NMOCD approval of the interim remedial action executed for this release based on the confirmation sampling results and remediation activities performed. ConocoPhillips does not seek closure of the incident, rather, approval of deferral until battery abandonment. Based on the proximity to oil and gas production equipment, COP respectfully requests that further remediation of soils within the interior battery area of the facility with concentrations greater than the Site RRALs be deferred until facility deconstruction.

Final reclamation and restoration shall take place in accordance with 19.15.29.12 NMAC once the Site is no longer being used for oil and gas production. A complete and accurate remediation report and/or reclamation report will be submitted at that time.

Thus, ConocoPhillips requests deferral of the remaining impacted soils associated with the NAPP2403967865 release within release footprint, and below the tank batteries and production equipment.



Interim Remediation Report and Deferral Request  
November 6, 2024

ConocoPhillips

The completed C-141 forms are enclosed as Appendix A. If you have any questions concerning the remediation activities for the Site, please call me at (512) 217-7254 or Christian at (512) 338-2861.

Sincerely,

**Tetra Tech, Inc.**



Ryan C Dickerson  
Project Manager



Christian M. Llull, P.G.  
Program Manager

cc:

Mr. Sam Widmer, RMR – ConocoPhillips

Ms. Shelly Taylor – Bureau of Land Management

Ms. Crisha Morgan – Bureau of Land Management

## **List of Attachments**

### Figures:

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Approximate Release Extent and Site Assessment
- Figure 4 – Remedial Activities and Confirmation Sampling Locations
- Figure 5 – Proposed Deferral Extent

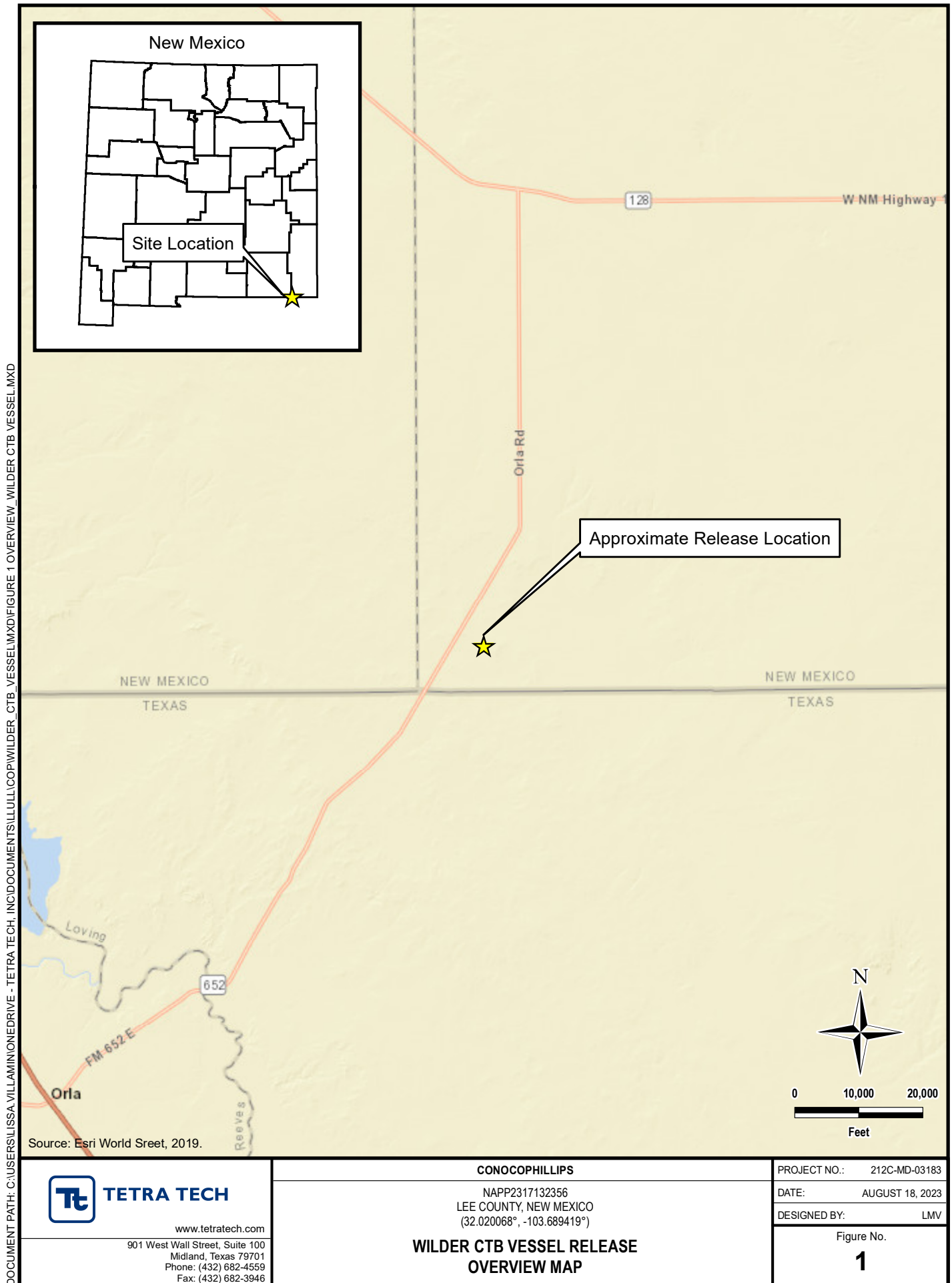
### Tables:

- Table 1 – Summary of Analytical Results – Soil Assessment
- Table 2 – Summary of Analytical Results – 2024 Soil Remediation
- Table 3 – Summary of Analytical Results – Backfill Composite

### Appendices:

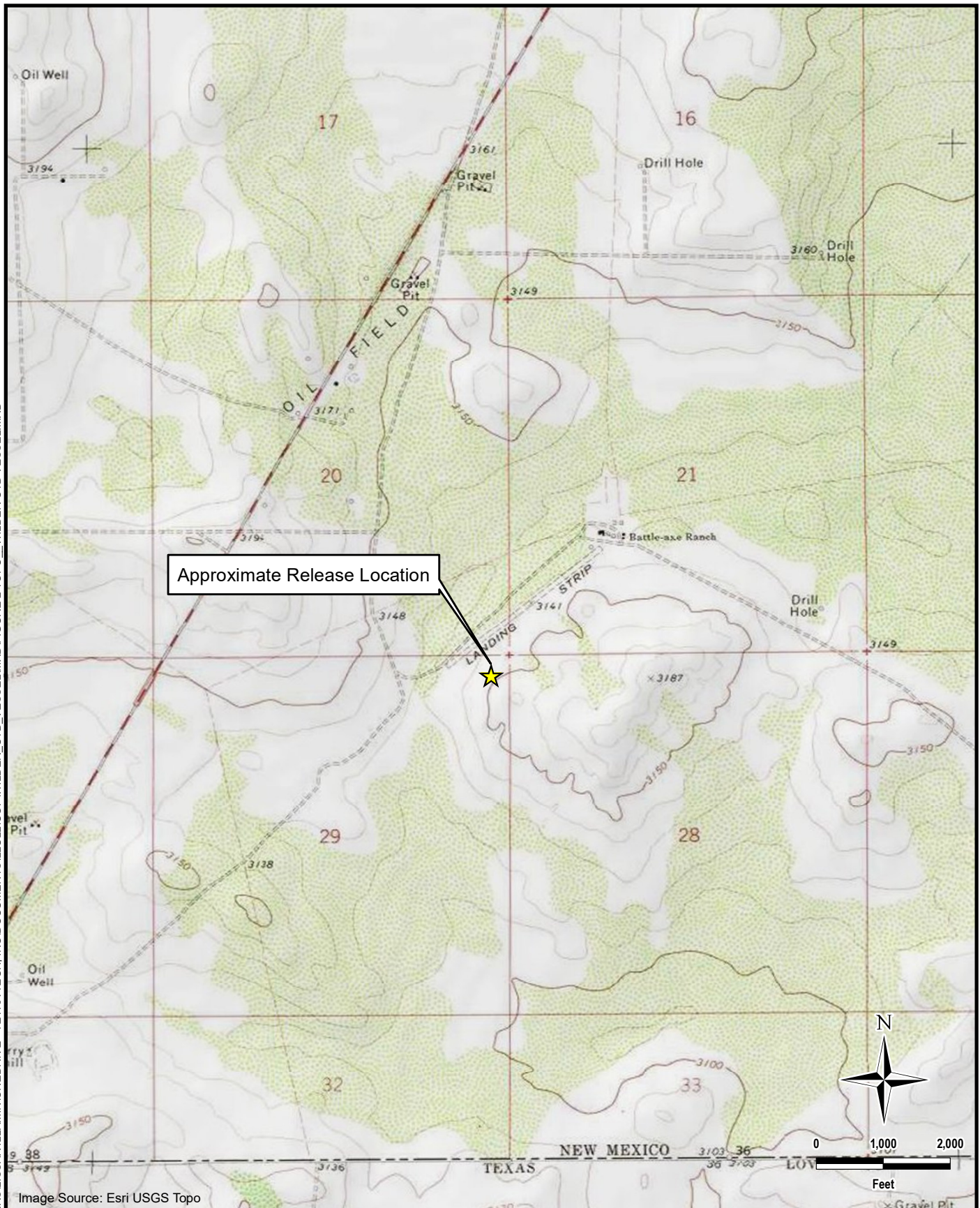
- Appendix A – C-141 Form
- Appendix B – Site Characterization Data
- Appendix C – Photographic Documentation
- Appendix D – Regulatory Correspondence
- Appendix E – Waste Manifests
- Appendix F – Laboratory Analytical Data

## **FIGURES**





DOCUMENT PATH: C:\USERS\ISSA.VILLAMONEDRIVE - TETRA TECH\INC\DOCUMENTS\ILLUSTRATIONS\WILDER\_CTB\_VESSEL\MXD\FIGURE 2 TOPO\_VESSEL\MXD\FIGURE 2 TOPO\_VESSEL.MXD

**TETRA TECH**

www.tetrattech.com

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

**CONOCOPHILLIPS**

NAPP2317132356  
LEE COUNTY, NEW MEXICO  
(32.020068°, -103.689419°)

**WILDER CTB VESSEL RELEASE  
TOPOGRAPHIC MAP**

PROJECT NO.: 212C-MD-03183

DATE: AUGUST 18, 2023

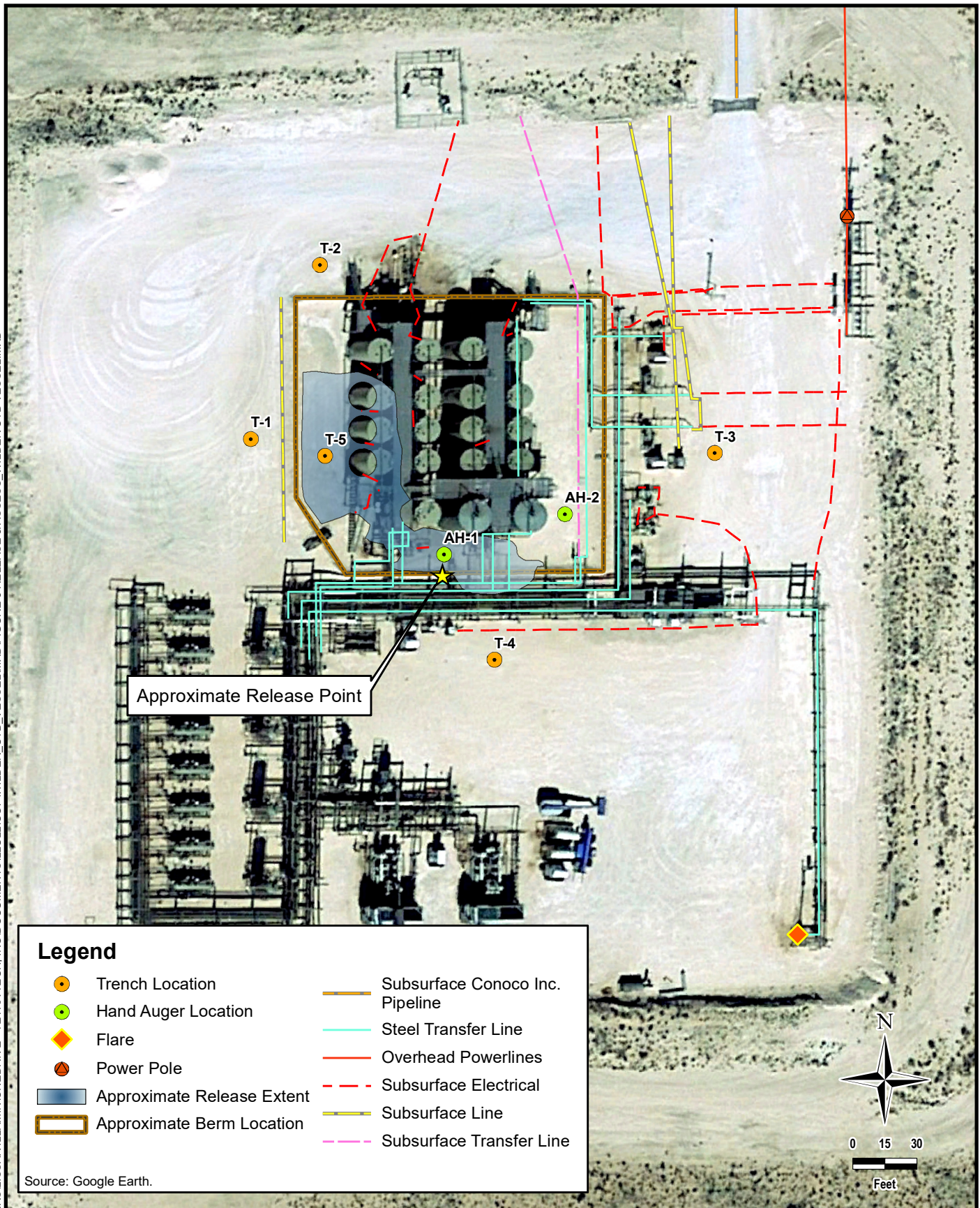
DESIGNED BY: LMV

Figure No.

**2**



DOCUMENT PATH: C:\USERS\LISSA.VILLAMONEDRIVE - TETRA TECH\INC\DOCUMENTS\ILLUSTRATIONS\WILDER\_CTB\_VESSEL\MXD\FIGURE 3 RELEASE &amp; ASSESS - WILDER\_CTB\_VESSEL.MXD

**TETRA TECH**

www.tetrattech.com

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

**CONOCOPHILLIPS**

NAPP2317132356  
LEE COUNTY, NEW MEXICO  
(32.020068°, -103.689419°)

**WILDER CTB VESSEL RELEASE  
APPROXIMATE RELEASE EXTENT AND SITE ASSESSMENT**

PROJECT NO.: 212C-MD-03183

DATE: OCTOBER 11, 2023

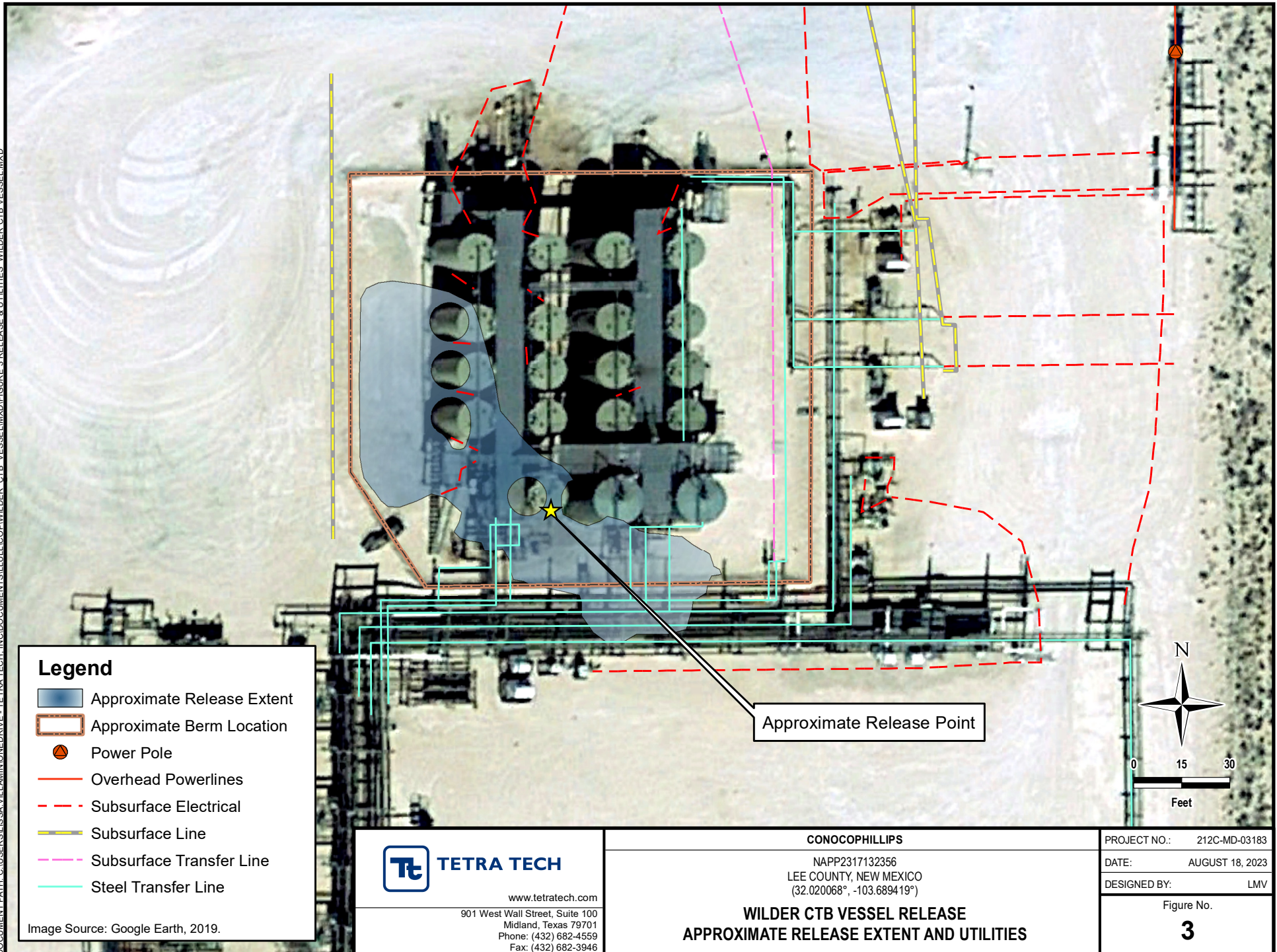
DESIGNED BY: LMV

Figure No.

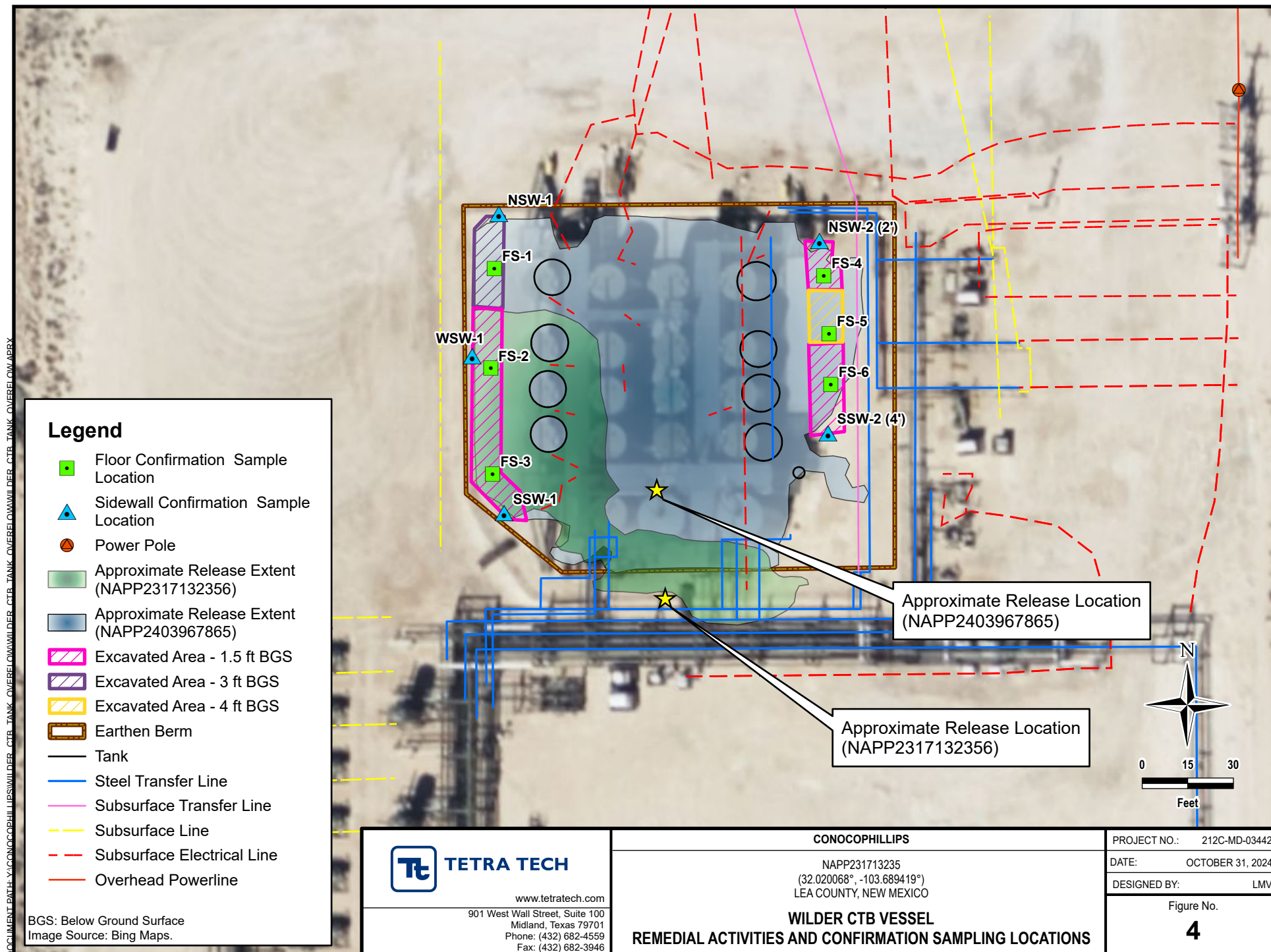
**3**

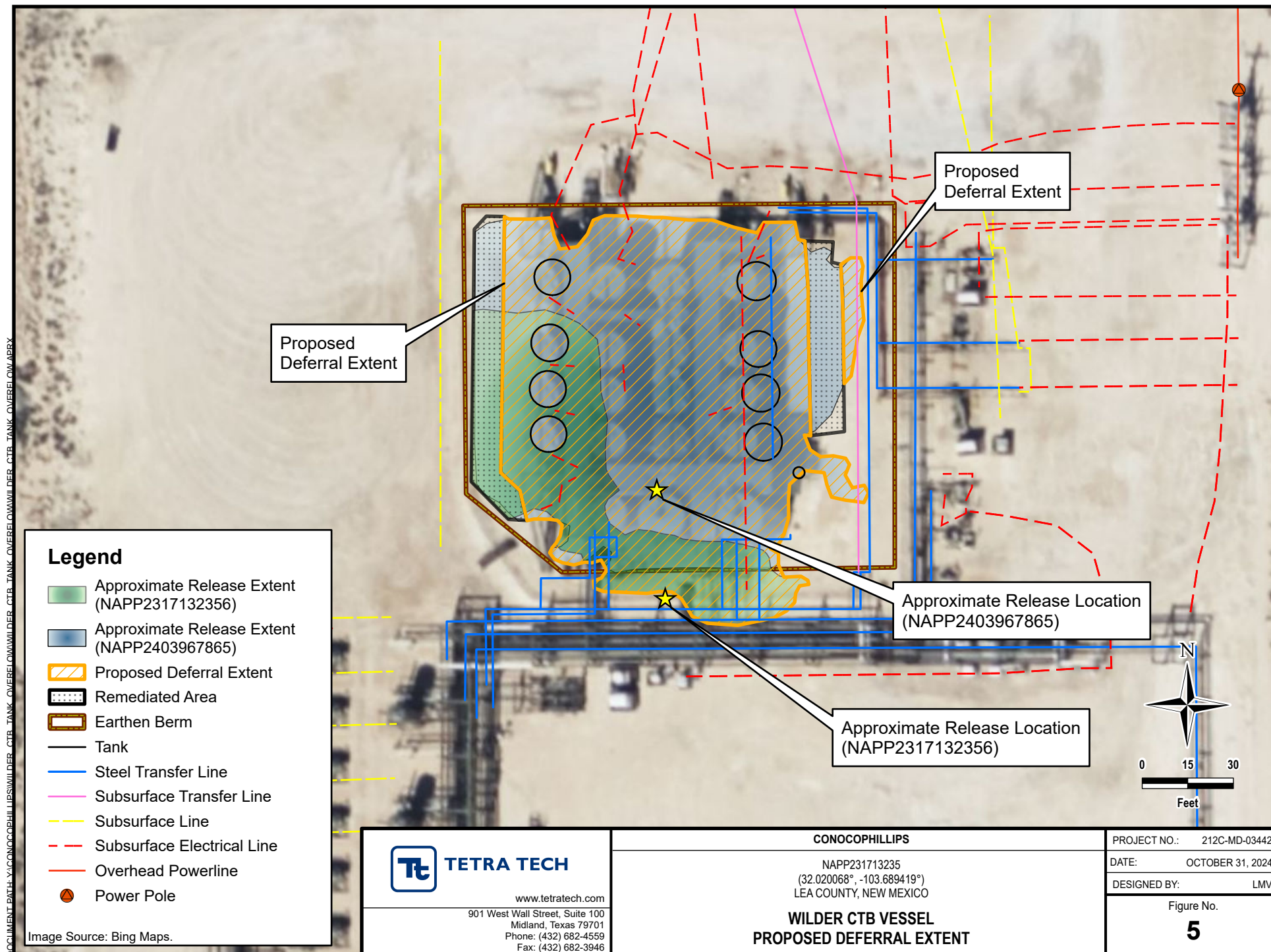


DOCUMENT PATH: C:\USERS\JISSA.VILLAMONEDRIVE\TETRA TECH\INC\DOCUMENTS\ILLU\COPIWILDER CTB VESSEL\MXD\FIGURE 3 RELEASE &amp; UTILITIES WILDER CTB VESSEL.MXD









## **TABLES**



TABLE 1  
SUMMARY OF ANALYTICAL RESULTS  
SOIL ASSESSMENT- NAPP2317132356  
CONOCOPHILLIPS  
WILDER FEDERAL CTB VESSEL RELEASE  
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride		BTEX <sup>2</sup>										TPH <sup>3</sup>							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	C <sub>6</sub> - C <sub>10</sub>	Q	mg/kg	Q	mg/kg	Q		mg/kg
		Closure Criteria for Soils >4' bgs (GW >100 ft):	20,000 mg/kg		< 10 mg/kg		--		--		--		< 50 mg/kg		--		--		--		2500 mg/kg	
T-1	9/11/2023	0-1	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		1-2	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
T-2	9/11/2023	0-1	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		1-2	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
T-3	9/11/2023	0-1	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
T-4	9/11/2023	0-1	272		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		1-2	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
T-5	9/11/2023	0-1	1600		<0.050		<0.050		<0.050	GC-NC	<0.150		<0.300		11.4		1780	QM-07	392		2183.4	
		2-3	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		16.9		<10.0		16.9	
		4-5	704		<0.050		<0.050	QR-03	<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		6-7	672		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		9-10	544		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		10-11	480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
AH-1	9/12/2023	0-1	2800		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		2250		455		2705	
		2-3	4320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		16.9		<10.0		16.9	
		3-4	2480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
AH-2	9/12/2023	0-1	400		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		833		205		1038	
		1-2	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		21.4		<10.0		21.4	

## NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

**Bold and italicized values indicate exceedance of proposed RRALs.**

Shaded rows indicate intervals proposed for excavation.

## QUALIFIERS:

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

GC-NC Its were not supported by GC/MS analysis and are reported as ND.

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

TABLE 2  
SUMMARY OF ANALYTICAL RESULTS  
SOIL REMEDIATION - NAPP2317132356  
CONOCOPHILLIPS  
WILDER CTB VESSEL RELEASE  
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	C <sub>6</sub> - C <sub>10</sub>	Q	mg/kg	Q	mg/kg	Q		mg/kg
FS-1	9/26/2024	3	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-2	9/26/2024	1.5	608		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-3	9/26/2024	1.5	288		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-4	9/26/2024	1.5	992		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-5	9/30/2024	4	272		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		61.7		<10.0		61.7	
FS-6	9/26/2024	1.5	1,360		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		38.5		<10.0		38.5	
NSW-1*	9/26/2024	-	1,460	QM-07	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
NSW-1 (1')	10/1/2024	-	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
NSW-2*	9/26/2024	-	4,000		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
NSW-2 (2')	10/1/2024	-	224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		101		32.2		133.2	
SSW-1*	9/26/2024	-	2,600		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SSW-1 (1')	10/1/2024	-	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SSW-2*	9/27/2024	-	9,860		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		17.1		<10.0		17.1	
SSW-2 (4')	10/1/2024	-	272		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		51.1		12.7		63.8	
WSW-1*	9/26/2024	-	736		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
WSW-1 (1')	10/1/2024	-	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	

## NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

**Bold and italicized values indicate exceedance of proposed Remediation RRALs and Reclamation Requirements.**

Gold highlight represents soil horizons that were removed during deepening of excavation floors.

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 ( ).

## QUALIFIERS:

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

TABLE 3  
SUMMARY OF ANALYTICAL RESULTS  
SOIL BACKFILL - NAPP2317132356  
CONOCOPHILLIPS  
CERBERUS HQ TOP SOIL PIT  
LEA COUNTY, NM

Sample ID	Sample Date	Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>					
				Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO	
														C <sub>6</sub> - C <sub>10</sub>		> C <sub>10</sub> - C <sub>28</sub>		> C <sub>28</sub> - C <sub>36</sub>	
		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
CALICHE BACKFILL - COMPOSITE	8/14/2024	320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	

- NOTES:
- ft. Feet
  - bgs Below ground surface
  - mg/kg Milligrams per kilogram
  - TPH Total Petroleum Hydrocarbons
  - GRO Gasoline range organics
  - DRO Diesel range organics
  - 1 Method SM4500Cl-B
  - 2 Method 8021B
  - 3 Method 8015M

## **APPENDIX A C-141 Forms**

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

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

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

Incident ID	NAPP2317132356
District RP	
Facility ID	fAPP2129429037
Application ID	

Release Notification

Responsible Party

Responsible Party	ConocoPhillips Company	OGRID	217817
Contact Name	Jacob Laird	Contact Telephone	(575) 703-5482
Contact email	Jacob.Laird@ConocoPhillips.com	Incident # (assigned by OCD)	NAPP2317132356
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701		

Location of Release Source

Latitude 32.0200 Longitude -103.6894  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Wilder Federal CTB	Site Type	Tank Battery
Date Release Discovered	June 11, 2023	API# (if applicable)	

Unit Letter	Section	Township	Range	County
A	29	26S	32E	Lea

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 19.22	Volume Recovered (bbls) 15
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The release was caused by a weld failure on the gas buster due to equipment failure.  
This release was within an unlined berm on the pad.  
Evaluation will be made of the site to determine if we may commence remediation immediately or delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation activities.



Incident ID	NAPP2317132356
District RP	
Facility ID	fAPP2129429037
Application ID	

<p>Was this a major release as defined by 19.15.29.7(A) NMAC?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>If YES, for what reason(s) does the responsible party consider this a major release?</p>
<p>If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?</p>	

## Initial Response

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

<div style="display: flex; flex-direction: column; gap: 10px;"><div><input type="checkbox"/> The source of the release has been stopped.</div><div><input type="checkbox"/> The impacted area has been secured to protect human health and the environment.</div><div><input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.</div><div><input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.</div></div>	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name <b>Brittany N. Esparza</b>	Title: <b>Environmental Technician</b>
Signature: 	Date: <b>6/20/2023</b>
email: <b>Brittany.Esparza@ConocoPhillips.com</b>	Telephone: <b>(432) 221-0398</b>
<b><u>OCD Only</u></b>	
Received by: <b>Shelly Wells</b>	Date: <b>6/21/2023</b>

Facility Name & Well Number(s):				Wilder Federal CTB		Release Discovery Date & Time:		6/11/23 10:30am	
Provide any known details about the event:				spill accured due to separation of line from gas boot on gun barrel					
				Recovered Volume (bbl.) (if available, not included in volume calculations)		Method of Determination (dropdown)		Release Type (dropdown):	
				15		Known volume from geometry		Produced Water	
Known Volume (dropdown):				No		No		0%	
Known Area (dropdown):				Mapped Area (sq. ft.)		Average Depth (in.)		Total Estimated Volume of Spill (bbl.)	
				4114		3		19.2227	
				On/Off Pad		On/Off Pad			

Incident ID	NAPP2317132356
District RP	
Facility ID	FAPP2129429037
Application ID	

## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>180</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

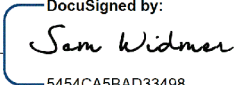
### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

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

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

Incident ID	NAPP2317132356
District RP	
Facility ID	FAPP2129429037
Application ID	

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

Printed Name: Sam widmer Title: Principal Program Manager  
Signature:  Date: Oct-11-2023  
email: Sam.widmer@conocophillips.com Telephone: 281-206-5298

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	NAPP2317132356
District RP	
Facility ID	FAPP2129429037
Application ID	

## Remediation Plan

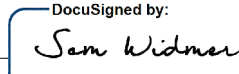
**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☒ 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)

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

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

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

Printed Name: Sam widmer Title: Principal Program Manager  
Signature:  Date: Oct-11-2023  
email: Sam.widmer@conocophillips.com Telephone: 281-206-5298

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



Incident ID	NAPP2317132356
District RP	
Facility ID	FAPP2129429037
Application ID	

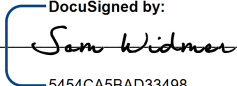
## Closure

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

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

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

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

Printed Name: Sam widmer Title: Principal Program Manager  
Signature:  Date: Nov-06-2024  
email: 5454CA5BAD33498... Sam.Widmer@conocophillips.com Telephone: 907-227-1777

### 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**

# National Flood Hazard Layer FIRMette



103°41'41"W 32°1'27"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		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
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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 9/25/2023 at 10:50 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.



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 03537 POD1</a>	CUB	LE		3	2	3	21	26S	32E	624250	3543985	748	850		
<a href="#">C 02271 POD2</a>	CUB	LE		3	2	3	21	26S	32E	624348	3544010*	831	270	250	20
<a href="#">C 02323</a>	C	LE		3	2	3	21	26S	32E	624348	3544010*	831	405	405	0
<a href="#">C 03595 POD1</a>	CUB	LE		4	2	3	21	26S	32E	624423	3544045	909	280	180	100

Average Depth to Water: **278 feet**

Minimum Depth: **180 feet**

Maximum Depth: **405 feet**

**Record Count: 4**

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

**Easting (X):** 623776.59

**Northing (Y):** 3543406.25

**Radius:** 950

\*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.

8/23/22 2:50 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# OCD Land Ownership



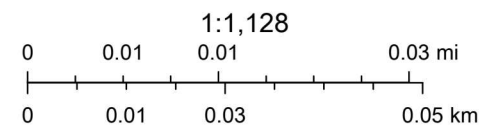
9/25/2023, 9:59:11 AM

Mineral Ownership

A-All minerals are owned by U.S.

Land Ownership

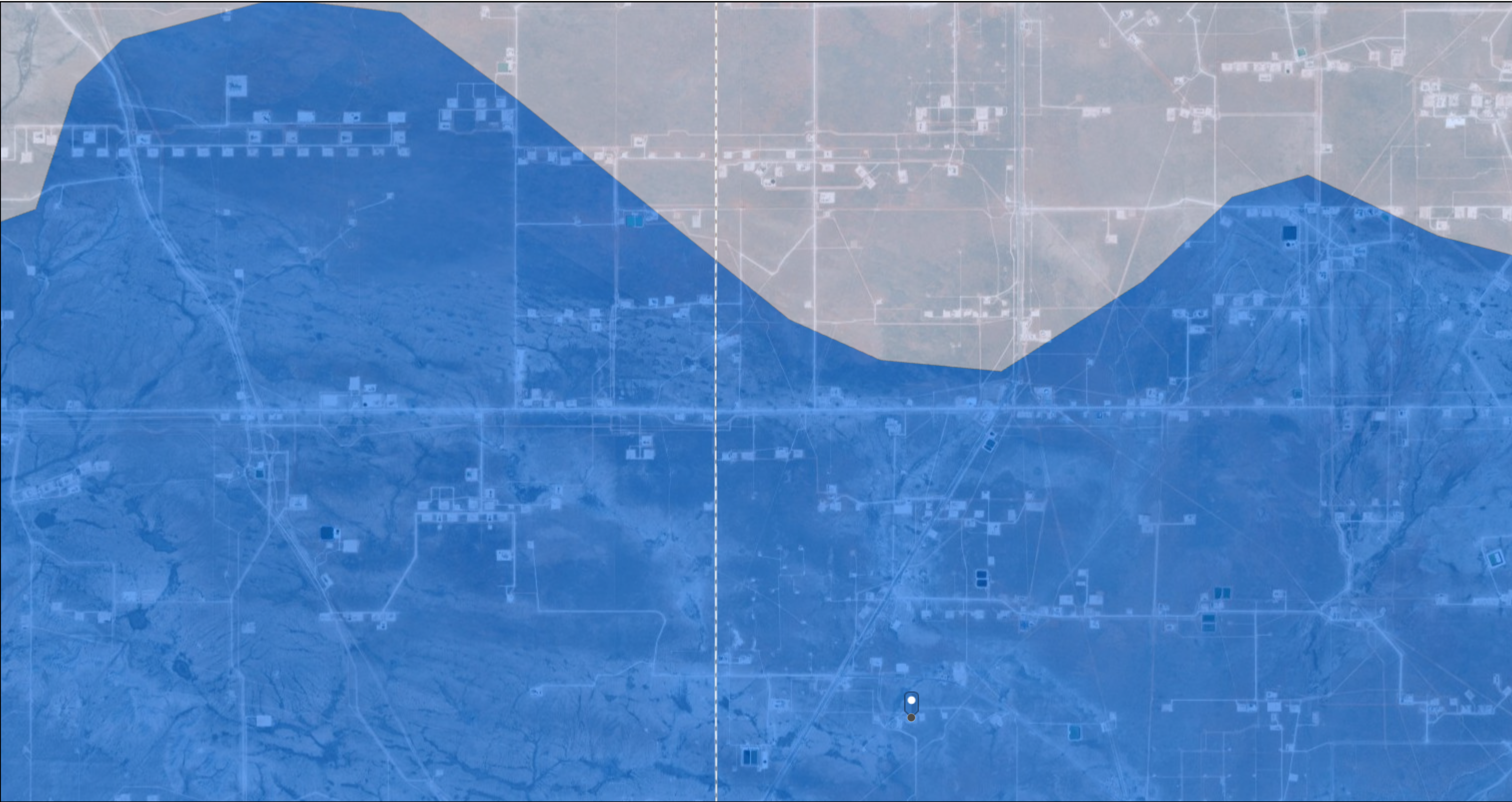
BLM



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



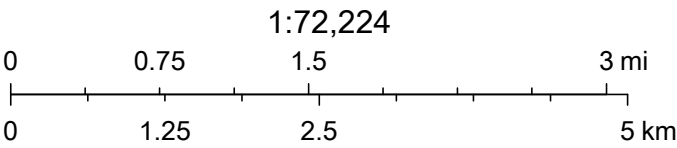
# OCD Karst Areas



8/10/2023, 5:32:42 PM

Karst Occurrence Potential

- Medium
- Low



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

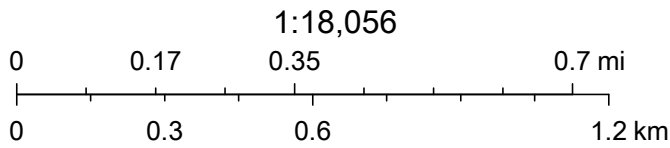


# OCD Water Bodies



8/10/2023, 4:39:28 PM

— OSE Streams



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



## **APPENDIX C**

# **Photographic Documentation**



TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View unknown. Failed weld at release location.	1
	SITE NAME	WILDER CTB Vessel Release	6/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View north. Southeastern portion of release footprint.	2
	SITE NAME	WILDER CTB Vessel Release	6/2023





TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View north. Southern portion of release footprint.	3
	SITE NAME	WILDER CTB Vessel Release	6/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View east. Southern portion of release footprint. Fluid visible south of berm.	4
	SITE NAME	WILDER CTB Vessel Release	6/2023



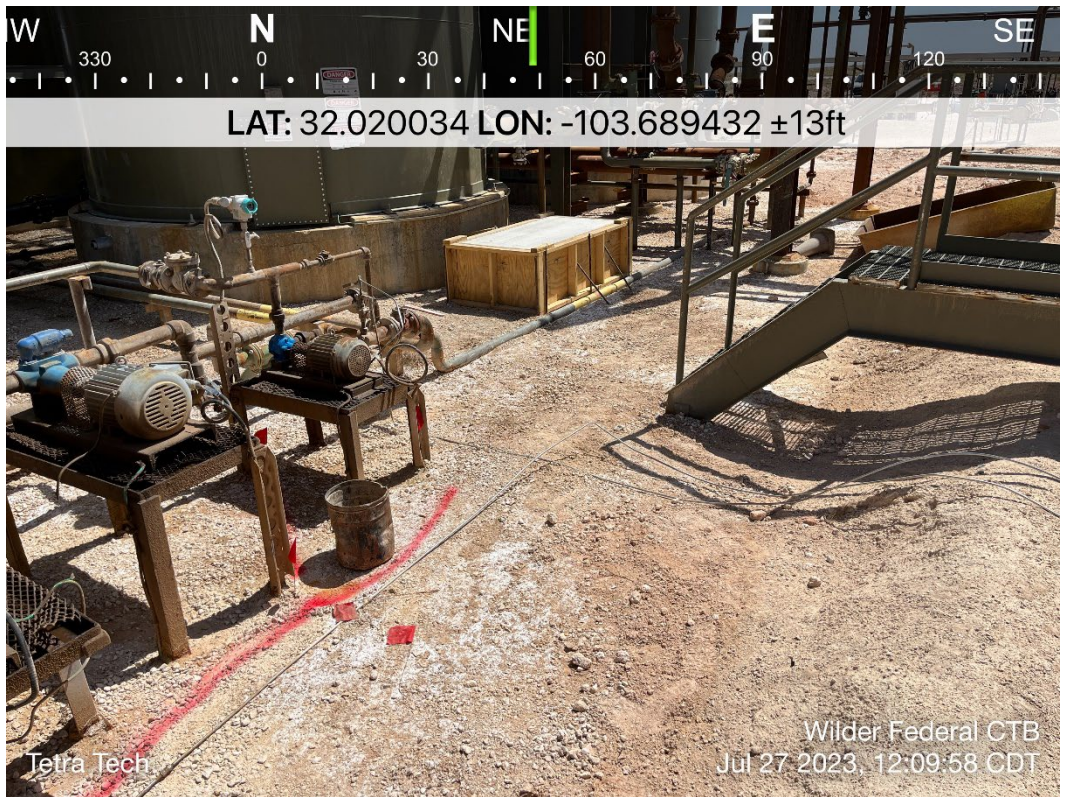


TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View north. Western portion of release footprint.	5
	SITE NAME	WILDER CTB Vessel Release	6/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View west. Southern portion of release footprint.	6
	SITE NAME	WILDER CTB Vessel Release	7/27/2023



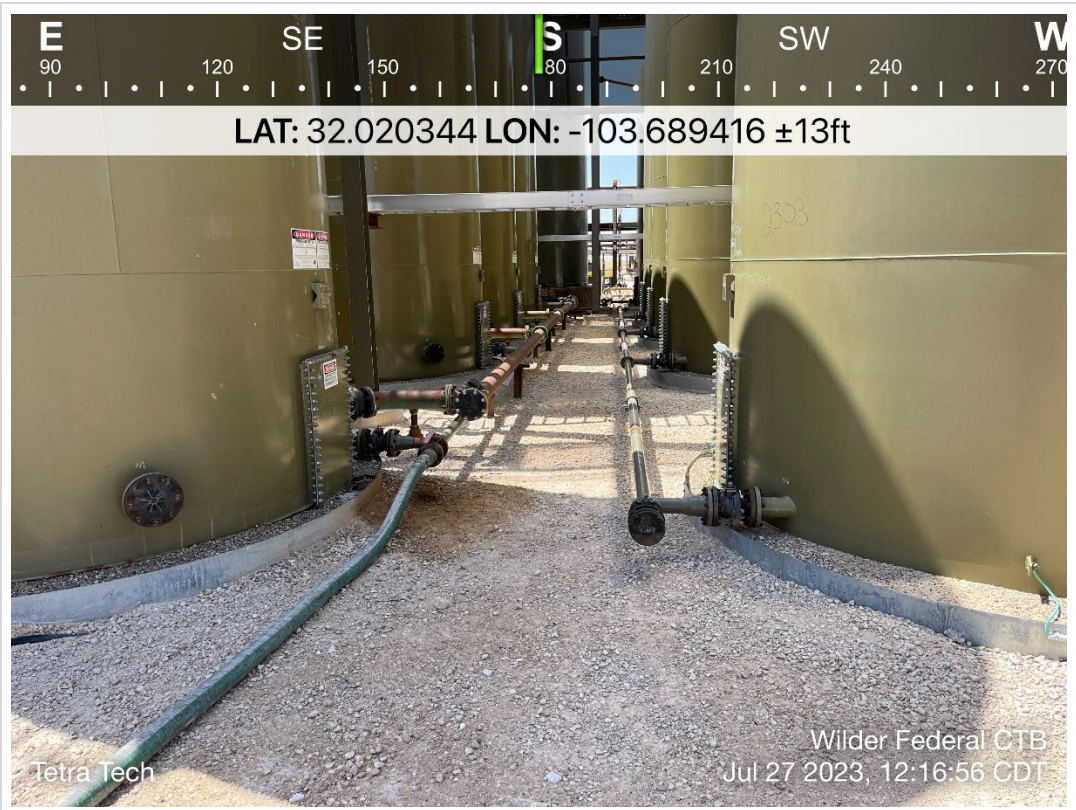


TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View northeast. Subsurface electrical line markings within southern portion of release area.	7
	SITE NAME	WILDER CTB Vessel Release	7/27/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View south, berm along right side of photo, visible discoloration on pad surface inside berm.	8
	SITE NAME	WILDER CTB Vessel Release	7/27/2023





TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View south. Area east of western-most tanks. Unrelated soil staining in the foreground. Visible discoloration of pad materials from release in background.	9
	SITE NAME	WILDER CTB Vessel Release	7/27/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03183	DESCRIPTION	View south-southeast. Facility lines and subsurface electrical line markings in northwestern portion of the tank battery.	10
	SITE NAME	WILDER CTB Vessel Release	7/27/2023





TETRA TECH, INC. PROJECT NO. 212C-MD-03442	DESCRIPTION	View East. East side of battery, interim remedial activities.	11
	SITE NAME	Wilder CTB Tank Overflow and Vessel Releases	9/27/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03442	DESCRIPTION	View North. West side of battery, interim remedial activities.	12
	SITE NAME	Wilder CTB Tank Overflow and Vessel Releases	9/27/2024



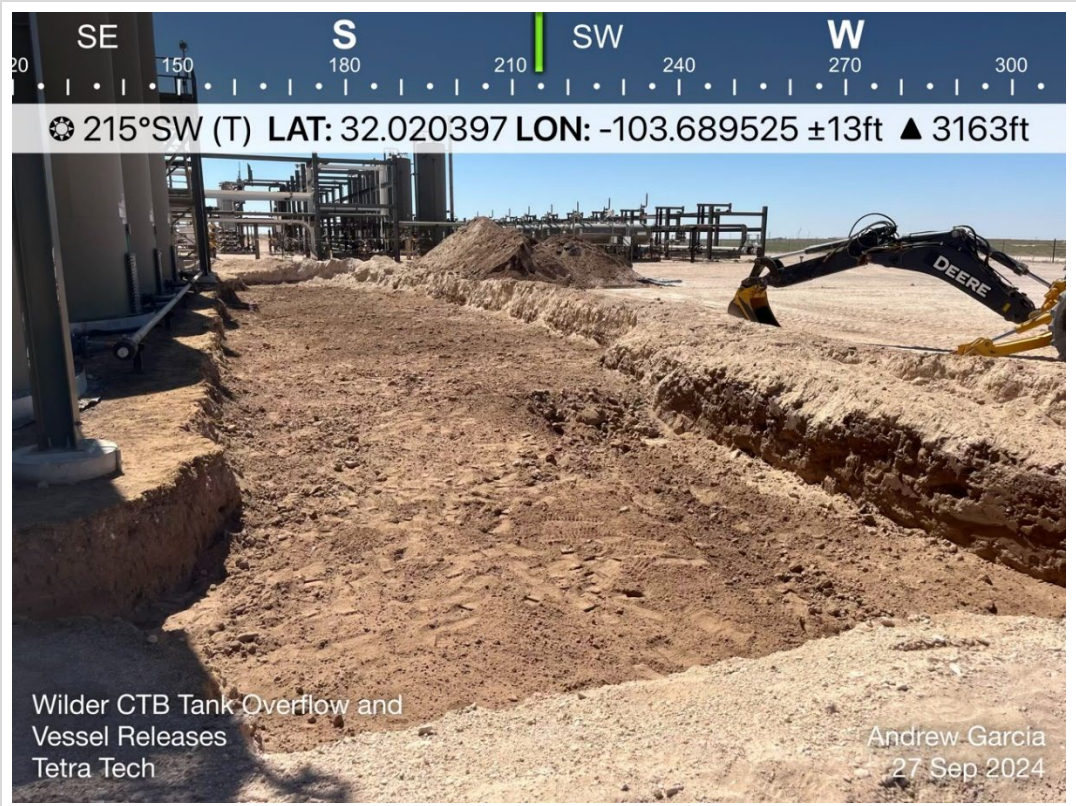


TETRA TECH, INC. PROJECT NO. 212C-MD-03442	DESCRIPTION	View north. East side of battery, interim remedial activities.	13
	SITE NAME	Wilder CTB Tank Overflow and Vessel Releases	9/27/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03442	DESCRIPTION	View north northwest. West side of battery, interim remedial activities.	14
	SITE NAME	Wilder CTB Tank Overflow and Vessel Releases	9/27/2024





TETRA TECH, INC. PROJECT NO. 212C-MD-03442	DESCRIPTION	View south. West side of battery, interim remedial activities.	15
	SITE NAME	Wilder CTB Tank Overflow and Vessel Releases	9/27/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03442	DESCRIPTION	View south. West side of battery, interim remedial activities.	16
	SITE NAME	Wilder CTB Tank Overflow and Vessel Releases	9/27/2024





TETRA TECH, INC. PROJECT NO. 212C-MD-03442	DESCRIPTION	View west. East side of battery, interim remedial activities, liner installation.	17
	SITE NAME	Wilder CTB Tank Overflow and Vessel Releases	10/3/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03442	DESCRIPTION	View southeast. East side of battery, interim remedial activities, liner installation.	18
	SITE NAME	Wilder CTB Tank Overflow and Vessel Releases	10/4/2024





TETRA TECH, INC. PROJECT NO. 212C-MD-03442	DESCRIPTION	View northwest. East side of battery, interim remedial activities, backfill.	19
	SITE NAME	Wilder CTB Tank Overflow and Vessel Releases	10/4/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03442	DESCRIPTION	View north. East side of battery, interim remedial activities, backfill.	20
	SITE NAME	Wilder CTB Tank Overflow and Vessel Releases	10/4/2024





TETRA TECH, INC. PROJECT NO. 212C-MD-03442	DESCRIPTION	View south. East side of battery, interim remedial activities, backfill.	21
	SITE NAME	Wilder CTB Tank Overflow and Vessel Releases	10/4/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03442	DESCRIPTION	View south southwest. West side of battery, interim remedial activities, backfill.	22
	SITE NAME	Wilder CTB Tank Overflow and Vessel Releases	10/4/2024

## **APPENDIX D**

### **Regulatory Correspondence**

**Poole, Nicholas**

---

**From:** Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>  
**Sent:** Monday, October 7, 2024 3:32 PM  
**To:** Dickerson, Ryan  
**Cc:** Llull, Christian  
**Subject:** RE: [EXTERNAL] Extension Request - Incident ID NAPP2317132356

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

Your time extension request is approved. Remediation Due date has been updated to November 06, 2024 within the incident page. Ensure that the site characterization/assessment report has been completed and is provided within the final closure report.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals, weekly/monthly/quarterly/semi-annual/annual, or final closure reports. Correspondence reporting requirements may include, but not limited to, time extension requests, sample event notifications, and variance requests.

If you have any questions, please contact me via email at your convenience.

Thank you.

Regards,

**Scott Rodgers** • Environmental Specialist – Adv.  
Environmental Bureau  
EMNRD - Oil Conservation Division  
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113  
505.469.1830 | [scott.rodgers@emnrd.nm.gov](mailto:scott.rodgers@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/oed>



---

**From:** Dickerson, Ryan <Ryan.Dickerson@tetrattech.com>  
**Sent:** Monday, October 7, 2024 10:13 AM  
**To:** Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>  
**Cc:** Llull, Christian <Christian.Llull@tetrattech.com>  
**Subject:** [EXTERNAL] Extension Request - Incident ID NAPP2317132356

**CAUTION:** This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Mr. Velez:



On behalf of ConocoPhillips, Tetra Tech is requesting an additional 30-day extension to complete reporting associated with remedial activities in and around the tank battery facility for the subject line release NAPP2317132356 aka the Wilder CTB "Vessel" Release. This incident ID has an NMOCD approved Work Plan for remediation.

Justification for this request is described below.

1. Following OCD approval of the Release Characterization and Remediation Work Plan for Wilder CTB Vessel Release (NAPP2317132356) on 1/31/2024, an additional release occurred at the Wilder CTB facility [fAPP2129429037] hereby known as the Wilder CTB "Overflow" (NAPP2403967865) on 2/8/2024. This release footprint largely enveloped the previous release (Vessel) extent and any remedial action associated with the "Vessel" would have incorporated the "Overflow".
2. Based on photographic documentation immediately following the February 2024 "Overflow" incident, the newer release footprint is largely located within the interior of the majority of the tank battery containment berm.
3. ConocoPhillips conducted soil assessment activities at the site in order to delineate the latest "overflow" release. A remediation work plan was submitted to the OCD for incident ID NAPP2403967865 on May 8, 2024.
4. The remediation work plan for incident ID NAPP2403967865 was denied on 7/25/2024. This rejection was presumably based on a clerical mistake in the submittal process, as the remediation work plan was inadvertently submitted as a deferral request on the NMOCD online portal.
5. The remediation work plan for incident ID NAPP2403967865 was resubmitted as such and was approved on 8/8/2024.
6. Remedial activities were completed on 10/4/2024.

As the two releases have overlapping footprints, the completed remedial action addresses both the NAPP2317132356 (Vessel) and NAPP2403967865 (Overflow) incidents. Therefore, remedial action for incident ID NAPP2317132356 could not commence until the remediation work plan for incident ID NAPP2403967865 was approved on 8/8/2024.

ConocoPhillips plans to submit an Interim Remediation Report and Deferral Request for incident ID NAPP2403967865 and NAPP2317132356 within the next 30 days.

Please let me know if you have any questions or concerns.

Ryan



**Ryan Dickerson** | Project Manager  
Cell +1 (512) 217-7254 | [ryan.dickerson@tetrattech.com](mailto:ryan.dickerson@tetrattech.com)

**Tetra Tech** | *Leading with Science*® | OGA  
8911 N. Capital of TX Hwy. | Bldg. 2, Ste 2310 | Austin, TX 78759 | [tetrattech.com](http://tetrattech.com)

---

**From:** Rodgers, Scott, EMNRD <[Scott.Rodgers@emnrd.nm.gov](mailto:Scott.Rodgers@emnrd.nm.gov)>  
**Sent:** Tuesday, July 30, 2024 11:36 AM  
**To:** Dickerson, Ryan <[Ryan.Dickerson@tetrattech.com](mailto:Ryan.Dickerson@tetrattech.com)>  
**Cc:** Velez, Nelson, EMNRD <[Nelson.Velez@emnrd.nm.gov](mailto:Nelson.Velez@emnrd.nm.gov)>  
**Subject:** RE: [EXTERNAL] Extension Request - Incident ID NAPP2317132356

You don't often get email from [scott.rodgers@emnrd.nm.gov](mailto:scott.rodgers@emnrd.nm.gov). [Learn why this is important](#)

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

Good Morning,

Due to prior extension requests being granted, OCD will approve a 60 day extension. Remediation Due date has been updated to September 30, 2024 within the incident page. Ensure that the site characterization/assessment report has been completed and is provided within the final closure report.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals, weekly/monthly/quarterly/semi-annual/annual, or final closure reports. Correspondence reporting requirements may include, but not limited to, time extension requests, sample event notifications, and variance requests.

If you have any questions, please contact me via email at your convenience.

Thank you.

Regards,

**Scott Rodgers** • Environmental Specialist – Adv.  
Environmental Bureau  
EMNRD - Oil Conservation Division  
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113  
505.469.1830 | [scott.rodgers@emnrd.nm.gov](mailto:scott.rodgers@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/oed>



---

**From:** Dickerson, Ryan <[Ryan.Dickerson@tetrattech.com](mailto:Ryan.Dickerson@tetrattech.com)>  
**Sent:** Tuesday, July 30, 2024 8:00 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Cc:** Velez, Nelson, EMNRD <[Nelson.Velez@emnrd.nm.gov](mailto:Nelson.Velez@emnrd.nm.gov)>  
**Subject:** [EXTERNAL] Extension Request - Incident ID NAPP2317132356

**CAUTION:** This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Mr. Velez:

On behalf of ConocoPhillips, Tetra Tech is requesting an additional second 90-day extension to complete remedial activities in and around the tank battery facility for the subject line release NAPP2317132356 aka the Wilder CTB "Vessel" Release. This incident ID has an NMOCD approved Work Plan for remediation.

Justification for this request is described below.

1. Following OCD approval of the Release Characterization and Remediation Work Plan for Wilder CTB Vessel Release (NAPP2317132356) on 1/31/2024, an additional release occurred at the Wilder CTB facility [fAPP2129429037] hereby known as the Wilder CTB "Overflow" (NAPP2403967865) on 2/8/2024. This release footprint largely enveloped the previous release (Vessel) extent and any remedial action associated with the "Vessel" would have incorporated the "Overflow".

2. Based on photographic documentation immediately following the February 2024 "Overflow" incident, the newer release footprint is largely located within the interior of the majority of the tank battery containment berm.
3. ConocoPhillips conducted soil assessment activities at the site in order to delineate the latest "overflow" release. A remediation work plan was submitted to the OCD for incident ID NAPP2403967865 on May 8, 2024.
4. The remediation work plan for incident ID NAPP2403967865 was denied on 7/25/2024. This rejection is presumably based on a clerical mistake in the submittal process, as the remediation work plan was inadvertently submitted as a deferral request on the NMOCD online portal.

As the two releases have overlapping footprints, any proposed remedial action will address both the NAPP2317132356 (Vessel) and NAPP2403967865 (Overflow) incidents. Therefore, remedial action for incident ID NAPP2317132356 cannot commence until a remediation work plan for incident ID NAPP2403967865 is approved.

ConocoPhillips plans to resubmit the Release Characterization and Remediation Work Plan for incident ID NAPP2403967865. Pending the NMOCD review, and subsequent determination (assumed approval) of this work plan, the remedial action to address both incidents will be initiated.

Please let me know if you have any questions or concerns.

Ryan

**Ryan Dickerson** | Project Manager  
Cell +1 (512) 217-7254 | [ryan.dickerson@tetrattech.com](mailto:ryan.dickerson@tetrattech.com)

**Tetra Tech** | *Leading with Science*® | OGA  
8911 N. Capital of TX Hwy. | Bldg. 2, Ste 2310 | Austin, TX 78759 | [tetrattech.com](http://tetrattech.com)

*This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.*



Please consider the environment before printing. [Read more](#)



**Poole, Nicholas**

---

**From:** OCDOnline@state.nm.us  
**Sent:** Monday, September 23, 2024 7:26 PM  
**To:** Llull, Christian  
**Subject:** The Oil Conservation Division (OCD) has accepted the application, Application ID: 386013

**⚠ 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 CONOCOPHILLIPS COMPANY),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2317132356.

The sampling event is expected to take place:

**When:** 09/26/2024 @ 10:00

**Where:** A-29-26S-32E 0 FNL 0 FEL (32.02001,-103.68941)

**Additional Information:** Additional Information: Sampling at the Release Incident Site will be conducted on 9/26 and 9/27. This C-141N request is intended to provide a range of dates for which confirmation sampling will be conducted.

OCD approved 300 sq ft. sampling of the floor and sidewalls.

Ryan Dickerson | Project Manager  
Cell +1 (512) 217-7254

**Additional Instructions:** Navigation to the Site: From Intersection of Orla Road (CR-1) and J-2: Head east for 1.77 miles on J-2. Turn right. Head west for 1.05 miles on lease road. Turn left onto lease road/site entrance. Head south for 300 feet. Arrive at Site.

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



**Poole, Nicholas**

---

**From:** Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>  
**Sent:** Friday, September 27, 2024 3:48 PM  
**To:** Dickerson, Ryan  
**Subject:** RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has accepted the application, Application ID: 386013

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

Afternoon Ryan,  
Thank you for the update. The variance request to continue confirmation sampling on 09/30/2024 is approved. Please continue to apply the same condition of approval as previously stated. Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

Thank you,  
Scott

**Scott Rodgers** • Environmental Specialist – Adv.  
Environmental Bureau  
EMNRD - Oil Conservation Division  
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113  
505.469.1830 | [scott.rodgers@emnrd.nm.gov](mailto:scott.rodgers@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/oed>



---

**From:** Dickerson, Ryan <Ryan.Dickerson@tetrattech.com>  
**Sent:** Friday, September 27, 2024 1:47 PM  
**To:** ocdonline, emnrd, EMNRD <emnrd.ocdonline@emnrd.nm.gov>  
**Cc:** Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>  
**Subject:** [EXTERNAL] RE: The Oil Conservation Division (OCD) has accepted the application, Application ID: 386013

**CAUTION:** This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Mr. Rodgers,  
I am requesting a variance to continue confirmation sampling on 9/30/2024. We experienced delays due to site conditions and were unable to complete the anticipated sampling on 9/27/2024 as stated in the C-141N. We anticipate collecting one additional sample on 9/30 to complete the initial sampling event.

We plan to complete sampling activities on 9/30. An additional C-141N will be submitted for sampling activities later than 9/30.

Thanks,

Ryan

**Ryan Dickerson** | Project Manager  
Cell +1 (512) 217-7254 | [ryan.dickerson@tetrattech.com](mailto:ryan.dickerson@tetrattech.com)

**Tetra Tech** | *Leading with Science*<sup>®</sup> | OGA  
8911 N. Capital of TX Hwy. | Bldg. 2, Ste 2310 | Austin, TX 78759 | [tetrattech.com](http://tetrattech.com)

---

**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us) <[OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)>  
**Sent:** Monday, September 23, 2024 8:26 PM  
**To:** Llull, Christian <[christian.llull@tetrattech.com](mailto:christian.llull@tetrattech.com)>  
**Subject:** The Oil Conservation Division (OCD) has accepted the application, Application ID: 386013

**⚠ 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 CONOCOPHILLIPS COMPANY),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2317132356.

The sampling event is expected to take place:

**When:** 09/26/2024 @ 10:00  
**Where:** A-29-26S-32E 0 FNL 0 FEL (32.02001,-103.68941)

**Additional Information:** Additional Information: Sampling at the Release Incident Site will be conducted on 9/26 and 9/27. This C-141N request is intended to provide a range of dates for which confirmation sampling will be conducted.

OCD approved 300 sq ft. sampling of the floor and sidewalls.

Ryan Dickerson | Project Manager  
Cell +1 (512) 217-7254

**Additional Instructions:** Navigation to the Site: From Intersection of Orla Road (CR-1) and J-2: Head east for 1.77 miles on J-2. Turn right. Head west for 1.05 miles on lease road. Turn left onto lease road/site entrance. Head south for 300 feet. Arrive at Site.

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

## **APPENDIX E**

### **Waste Manifests**



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 273498

Start: 09/26/2024 03:59 PM

End: 09/26/2024 04:03 PM

By: OWL Ivan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
20	0	20	\$0.01	\$0.20
Hauler: McNabb Partners				
Driver: Andrew Richards				
Lease: Wilder CTB Tank Overflow Release				
Well: N/A				
AFE #: N/A				
County, State: LEA (NM)				
API #: N/A				
Client Company Man: Sam Widmer				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Belly Dumps				
UOM: CuYd				
UOM Count: 20				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
24	0.0 lbs		\$0.01	\$0.20
SUBTOTAL --->				\$0.20
TAX --->				\$0.01
ROUNDING --->				\$-0.00
TOTAL --->				\$0.21

Date	Type	Amount
	CASH	\$0.21
Customer: ConocoPhillips Company		
Driver: Karen Work		





Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 273431  
Start: 09/26/2024 11:18 AM  
End: 09/26/2024 11:23 AM  
By: owl.jayden

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
20	0	20	\$0.01	\$0.20
Hauler: McNabb Driver: Andrew Richards Lease: Wilder CTB Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Client Company Man: Sam Widmer Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Belly Dumps UOM: CuYd UOM Count: 20 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
24	0.0 lbs		\$0.01	\$0.20
SUBTOTAL ---->				\$0.20
TAX ---->				\$0.01
ROUNDING ---->				\$-0.00
TOTAL ---->				\$0.21

Date	Type	Amount
	CASH	\$0.21

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 273455  
Start: 09/26/2024 01:13 PM  
End: 09/26/2024 01:22 PM  
By: DWL.Ivan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
20	0	20	\$0.01	\$0.20
Hauler: McNabb Partners Driver: Andrew Richards Lease: Wilder CTB Tank Overflow Release Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Client Company Man: Sam Widmer Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Belly Dumps UOM: CuYd UOM Count: 20 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
24	0.0 lbs		\$0.01	\$0.20
SUBTOTAL --->				\$0.20
TAX --->				\$0.01
ROUNDING --->				\$-0.00
TOTAL --->				\$0.21

Date	Type	Amount
	CASH	\$0.21

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ----WASTE TICKET----

Ticket # 273851

Start: 09/27/2024 10:52 AM

End: 09/27/2024 10:58 AM

By: owl.jayden

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
20	0	20	\$0.01	\$0.20
Hauler: McNabb Driver: Andrew Richards Lease: Wilder CTB Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Client Company Man: Sam Widmer Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Belly Dumps UOM: CuYd UOM Count: 20 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
24		0.0 lbs	\$0.01	\$0.20
SUBTOTAL --->				\$0.20
TAX --->				\$0.01
ROUNDING --->				\$-0.00
TOTAL --->				\$0.21

Date	Type	Amount
	CASH	\$0.21

Customer: ConocoPhillips Company  
Driver: Karen Work

Andrew R  
m89





Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 273698  
Start: 09/27/2024 01:20 PM  
End: 09/27/2024 01:28 PM  
By: owl.amy

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
20	0	20	\$0.01	\$0.20
Hauler: McNabb Partners Driver: Andrew Richards Lease: Wilder CTB Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Manifest #: 05 Client Company Man: Sam Widmer Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Belly Dumps UOM: CuYd UOM Count: 20 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
24		0.0 lbs	\$0.01	\$0.20
SUBTOTAL --->				\$0.20
TAX --->				\$0.01
ROUNDING --->				\$-0.00
TOTAL --->				\$0.21

Date	Type	Amount
	CASH	\$0.21

Customer: ConocoPhillips Company  
Driver: Karen Work

Andrew R  
M89



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ----WASTE TICKET----

Ticket # 274261  
Start: 09/30/2024 03:25 PM  
End: 09/30/2024 03:30 PM  
By: owl.jayden

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
20	0	20	\$0.01	\$0.20
Hauler: McNabb Driver: Andrew Richards Lease: Wilder CTB Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Client Company Man: Sam Widmer Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Belly Dumps UOM: CuYd UOM Count: 20 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
24	0.0 lbs		\$0.01	\$0.20
SUBTOTAL --->				\$0.20
TAX --->				\$0.01
ROUNDING --->				\$-0.00
TOTAL - ->				\$0.21

Date	Type	Amount
	CASH	\$0.21

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ----WASTE TICKET----

Ticket # 274224

Start: 09/30/2024 01:16 PM

End: 09/30/2024 01:21 PM

By: owl.jayden

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
20	0	20	\$0.01	\$0.20
Hauler: McNabb				
Driver: Andrew Richards				
Lease: Wilder CTB				
Well: N/A				
AFE #: N/A				
County, State: EDDY (NM)				
API #: N/A				
Client Company Man: Sam Wider				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Belly Dumps				
UDM: CuYd				
UDM Count: 20				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
24		0.0 lbs	\$0.01	\$0.20
SUBTOTAL --->				\$0.20
TAX --->				\$0.01
ROUNDING --->				\$-0.00
TOTAL --->				\$0.21

Date	Type	Amount
	CASH	\$0.21

Customer: ConocoPhillips Company  
Driver: Karen Work





Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 274189  
Start: 09/30/2024 10:52 AM  
End: 09/30/2024 10:57 AM  
By: owl.amy

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
20	0	20	\$0.01	\$0.20
Hauler: McNabb Partners Driver: Andrew Richards Lease: Wilder CTB Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Client Company Man: Sam Widmer Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Belly Dumps UOM: CuYd UOM Count: 20 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
24	0.0 lbs		\$0.01	\$0.20

SUBTOTAL ---> \$0.20  
TAX ---> \$0.01  
ROUNDING ---> \$-0.00  
TOTAL ---> \$0.21

Date	Type	Amount
	CASH	\$0.21

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 98252

## ----WASTE TICKET----

Ticket # 274429  
Start: 10/01/2024 10:23 AM  
End: 10/01/2024 10:31 AM  
By: owl.jayden

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
20	0	20	\$0.01	\$0.20
Hauler: McNabb Driver: Andrew Richards Lease: Wilder CTB Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Client Company Man: Sam Widmer Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Belly Dumps UOM: CuYd UOM Count: 20 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
24		0.0 lbs	\$0.01	\$0.20
SUBTOTAL ---->				\$0.20
TAX ---->				\$0.01
ROUNDING ---->				\$-0.00
TOTAL ---->				\$0.21

Date	Type	Amount
	CASH	\$0.21

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ----WASTE TICKET----

Ticket # 274497

Start: 10/01/2024 04:22 PM

End: 10/01/2024 04:27 PM

By: OWL.Ivan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
20	0	20	\$0.01	\$0.20
Hauler: McNabb Partners Driver: Andrew Richards Lease: Wilder CTB Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Manifest #: 10 Client Company Man: Sam Widmer Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Belly Dumps UDM: CuYd UDM Count: 20 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
24	0.0 lbs		\$0.01	\$0.20

SUBTOTAL ----&gt; \$0.20

TAX ----&gt; \$0.01

ROUNDING ----&gt; \$-0.00

TOTAL ----&gt; \$0.21

Date	Type	Amount
	CASH	\$0.21

Customer: ConocoPhillips Company  
Driver: Karen Work





Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

----WASTE TICKET----

Ticket # 274429

Start:10/01/2024 10:23 AM

End:10/01/2024 10:31 AM

By:owl.jayden

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
20	0	20	\$0.01	\$0.20
Hauler: McNabb				
Driver: Andrew Richards				
Lease: Wilder CTB				
Well: N/A				
AFE #: N/A				
County, State: LEA (NM)				
API #: N/A				
Client Company Man: Sam Widmer				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Belly Dumps				
UOM: CuYd				
UOM Count: 20				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
24	0.0 lbs		\$0.01	\$0.20

SUBTOTAL ---> \$0.20  
TAX ---> \$0.01  
ROUNDING ---> \$-0.00  
TOTAL ---> \$0.21

Date	Type	Amount
	CASH	\$0.21

Customer: ConocoPhillips Company

Driver: Karen Work

Ownership, I hereby state that I am the lawful owner of the material described heron, and I have the right to sell same said material and for the payment received I convey said material to:

Dilfield Water Logistics, LLC

Print name

AR

Sign name

powered by WeighPay.com



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

---WASTE TICKET---

Ticket # 274679

Start: 10/02/2024 03:32 PM

End: 10/02/2024 03:40 PM

By: DWL.Ivan

GRDSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
15	0	15	\$0.01	\$0.15
Hauler: McNabb Partners Driver: Manuel Lopez Lease: Wilder CTB Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Manifest #: 14 Client Company Man: Sam Widmer Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck UDM: CuYd UDM Count: 15 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
19	0.0 lbs		\$0.01	\$0.15

SUBTOTAL ----> \$0.15  
TAX ----> \$0.01  
ROUNDING ----> \$0.00  
TOTAL ----> \$0.16

Date	Type	Amount
	CASH	\$0.16

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 274621

Start: 10/02/2024 10:42 AM

End: 10/02/2024 10:47 AM

By: owl.judy

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
20	0	20	\$0.01	\$0.20
Hauler: McNabb Partners				
Driver: Lumar Rodriguez				
Lease: Wilder CTB				
Well: N/A				
AFE #: N/A				
County, State: LEA (NM)				
API #: N/A				
Client Company Man: Sam Widmer				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Belly Dumps				
UOM: CuYd				
UOM Count: 20				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
24	0.0 lbs		\$0.01	\$0.20
SUBTOTAL ---->				\$0.20
TAX ---->				\$0.01
ROUNDING ---->				\$-0.00
TOTAL ---->				\$0.21

Date	Type	Amount
	CASH	\$0.21

Customer: ConocoPhillips Company  
Driver: Karen Work





Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 274654  
Start: 10/02/2024 01:12 PM  
End: 10/02/2024 01:22 PM  
By: cwl.amy

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
20	0	20	\$0.01	\$0.20
Hauler: McNabb Partners Driver: Lumar Rodriguez Lease: Wilder CTB Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Client Company Man: Sam Widmer Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Belly Dumps UOM: CuYd UOM Count: 20 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
24	0.0 lbs		\$0.01	\$0.20
SUBTOTAL ---->				\$0.20
TAX ---->				\$0.01
ROUNDING ---->				\$-0.00
TOTAL ---->				\$0.21

Date	Type	Amount
	CASH	\$0.21

Customer: ConocoPhillips Company  
Driver: Karen Work



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

----WASTE TICKET----

Ticket # 274879  
Start: 10/03/2024 12:49 PM  
End: 10/03/2024 01:00 PM  
By: owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil 18	0	18	\$0.01	\$0.18
Hauler: McNabb Driver: Lumar Rdz Lease: Wilder CTB Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Manifest #: N/A Client Company Man: Sam Widmer Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Belly Dumps UOM: CuYd UOM Count: 18 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS 1	0	1	\$0.00	\$0.00
Paint Filter - PASS 1	0	1	\$0.00	\$0.00
NORM - PASS 1	0	1	\$0.00	\$0.00
Additional Photos 1	0	1	\$0.00	\$0.00
22	0.0 lbs		\$0.01	\$0.18

SUBTOTAL ---> \$0.18  
TAX ---> \$0.01  
ROUNDING ---> \$0.00  
TOTAL ---> \$0.19

Date	Type	Amount
	CASH	\$0.19

Customer: ConocoPhillips Company  
Driver: Karen Work  
Ownership, I hereby state that I am the lawful  
owner of the material described herein, and I  
have the right to sell same said material and  
for the payment received I convey said material  
to:  
OilField Water Logistics, LLC

Print name \_\_\_\_\_

Sign name \_\_\_\_\_

powered by WeighPay.com

## **APPENDIX F**

# **Analytical Laboratory Report**





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

---

September 27, 2024

RYAN DICKERSON

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER CTB TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 09/26/24 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	WILDER CTB TANK OVERFLOW	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03442	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

**Sample ID: NSW - 1 (H245873-01)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	1.92	96.0	2.00	3.04		
Toluene*	<0.050	0.050	09/26/2024	ND	2.03	101	2.00	2.64		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.08	104	2.00	2.30		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.43	107	6.00	1.76		
Total BTX	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1460	16.0	09/27/2024	ND	432	108	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	224	112	200	1.62	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	215	108	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	WILDER CTB TANK OVERFLOW	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03442	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

**Sample ID: NSW - 2 (H245873-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	1.92	96.0	2.00	3.04		
Toluene*	<0.050	0.050	09/26/2024	ND	2.03	101	2.00	2.64		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.08	104	2.00	2.30		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.43	107	6.00	1.76		
Total BTEX	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4000	16.0	09/27/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	224	112	200	1.62		
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	215	108	200	4.22		
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND						

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	WILDER CTB TANK OVERFLOW	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03442	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

**Sample ID: WSW - 1 (H245873-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	1.92	96.0	2.00	3.04		
Toluene*	<0.050	0.050	09/26/2024	ND	2.03	101	2.00	2.64		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.08	104	2.00	2.30		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.43	107	6.00	1.76		
Total BTEX	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	09/27/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	224	112	200	1.62		
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	215	108	200	4.22		
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND						

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	WILDER CTB TANK OVERFLOW	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03442	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

**Sample ID: SSW - 1 (H245873-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	1.92	96.0	2.00	3.04		
Toluene*	<0.050	0.050	09/26/2024	ND	2.03	101	2.00	2.64		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.08	104	2.00	2.30		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.43	107	6.00	1.76		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	09/27/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	224	112	200	1.62	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	215	108	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	WILDER CTB TANK OVERFLOW	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03442	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

**Sample ID: SSW - 2 (H245873-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	1.92	96.0	2.00	3.04		
Toluene*	<0.050	0.050	09/26/2024	ND	2.03	101	2.00	2.64		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.08	104	2.00	2.30		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.43	107	6.00	1.76		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9860	16.0	09/27/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	224	112	200	1.62	
DRO >C10-C28*	17.1	10.0	09/27/2024	ND	215	108	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	WILDER CTB TANK OVERFLOW	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03442	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

**Sample ID: FS - 1 (H245873-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	1.92	96.0	2.00	3.04		
Toluene*	<0.050	0.050	09/26/2024	ND	2.03	101	2.00	2.64		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.08	104	2.00	2.30		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.43	107	6.00	1.76		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/27/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	224	112	200	1.62	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	215	108	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	WILDER CTB TANK OVERFLOW	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03442	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

**Sample ID: FS - 2 (H245873-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	1.92	96.0	2.00	3.04		
Toluene*	<0.050	0.050	09/26/2024	ND	2.03	101	2.00	2.64		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.08	104	2.00	2.30		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.43	107	6.00	1.76		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	09/27/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	224	112	200	1.62	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	215	108	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	WILDER CTB TANK OVERFLOW	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03442	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

**Sample ID: FS - 3 (H245873-08)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	1.92	96.0	2.00	3.04		
Toluene*	<0.050	0.050	09/26/2024	ND	2.03	101	2.00	2.64		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.08	104	2.00	2.30		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.43	107	6.00	1.76		
Total BTEX	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	09/27/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	224	112	200	1.62	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	215	108	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	WILDER CTB TANK OVERFLOW	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03442	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

**Sample ID: FS - 4 (H245873-09)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	1.92	96.0	2.00	3.04		
Toluene*	<0.050	0.050	09/26/2024	ND	2.03	101	2.00	2.64		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.08	104	2.00	2.30		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.43	107	6.00	1.76		
Total BTEX	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	09/27/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	224	112	200	1.62	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	215	108	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	WILDER CTB TANK OVERFLOW	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03442	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

**Sample ID: FS - 6 (H245873-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/27/2024	ND	1.96	98.1	2.00	1.64		
Toluene*	<0.050	0.050	09/27/2024	ND	1.94	96.9	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.01	100	2.00	0.227		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	5.98	99.7	6.00	0.345		
Total BTEX	<0.300	0.300	09/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	09/27/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	224	112	200	1.62	
DRO >C10-C28*	38.5	10.0	09/27/2024	ND	215	108	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

Celey D. Keene, Lab Director/Quality Manager





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

---

October 01, 2024

RYAN DICKERSON

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER CTB TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 09/30/24 16:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/30/2024	Sampling Date:	09/30/2024
Reported:	10/01/2024	Sampling Type:	Soil
Project Name:	WILDER CTB TANK OVERFLOW	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03442	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

**Sample ID: FS - 5 (H245935-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2024	ND	2.14	107	2.00	1.38	
Toluene*	<0.050	0.050	09/30/2024	ND	2.22	111	2.00	2.23	
Ethylbenzene*	<0.050	0.050	09/30/2024	ND	2.22	111	2.00	2.20	
Total Xylenes*	<0.150	0.150	09/30/2024	ND	7.04	117	6.00	1.22	
Total BTX	<0.300	0.300	09/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	10/01/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2024	ND	213	106	200	0.311	
DRO >C10-C28*	61.7	10.0	09/30/2024	ND	203	101	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	09/30/2024	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

### Notes and Definitions

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

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

Celey D. Keene, Lab Director/Quality Manager



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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

page 18

[illegible]



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

---

October 02, 2024

RYAN DICKERSON

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WILDER CTB TANK OVERFLOW

Enclosed are the results of analyses for samples received by the laboratory on 10/01/24 15:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/02/2024	Sampling Type:	Soil
Project Name:	WILDER CTB TANK OVERFLOW	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03442 ( VESSEL RELEASE )	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

**Sample ID: NSW - 1 ( 1' ) (H245965-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2024	ND	2.09	105	2.00	2.15		
Toluene*	<0.050	0.050	10/01/2024	ND	2.16	108	2.00	1.16		
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.21	110	2.00	0.837		
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.66	111	6.00	0.394		
Total BTEX	<0.300	0.300	10/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/02/2024	ND	432	108	400	7.14		

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	10/02/2024	ND	201	100	200	5.15	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	195	97.5	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane 59.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/02/2024	Sampling Type:	Soil
Project Name:	WILDER CTB TANK OVERFLOW	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03442 ( VESSEL RELEASE )	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

**Sample ID: NSW - 2 ( 2' ) (H245965-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2024	ND	2.09	105	2.00	2.15		
Toluene*	<0.050	0.050	10/01/2024	ND	2.16	108	2.00	1.16		
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.21	110	2.00	0.837		
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.66	111	6.00	0.394		
Total BTEX	<0.300	0.300	10/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/02/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	201	100	200	5.15	
DRO >C10-C28*	101	10.0	10/02/2024	ND	195	97.5	200	1.16	
EXT DRO >C28-C36	32.2	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane 70.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/02/2024	Sampling Type:	Soil
Project Name:	WILDER CTB TANK OVERFLOW	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03442 ( VESSEL RELEASE )	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

**Sample ID: WSW - 1 ( 1' ) (H245965-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2024	ND	2.09	105	2.00	2.15		
Toluene*	<0.050	0.050	10/01/2024	ND	2.16	108	2.00	1.16		
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.21	110	2.00	0.837		
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.66	111	6.00	0.394		
Total BTEx	<0.300	0.300	10/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/02/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	201	100	200	5.15	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	195	97.5	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane 63.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/02/2024	Sampling Type:	Soil
Project Name:	WILDER CTB TANK OVERFLOW	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03442 ( VESSEL RELEASE )	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

**Sample ID: SSW - 1 ( 1' ) (H245965-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2024	ND	2.09	105	2.00	2.15		
Toluene*	<0.050	0.050	10/01/2024	ND	2.16	108	2.00	1.16		
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.21	110	2.00	0.837		
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.66	111	6.00	0.394		
Total BTEX	<0.300	0.300	10/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/02/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	201	100	200	5.15	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	195	97.5	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	10/01/2024	Sampling Date:	10/01/2024
Reported:	10/02/2024	Sampling Type:	Soil
Project Name:	WILDER CTB TANK OVERFLOW	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03442 ( VESSEL RELEASE )	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

**Sample ID: SSW - 2 ( 4' ) (H245965-05)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2024	ND	2.09	105	2.00	2.15		
Toluene*	<0.050	0.050	10/01/2024	ND	2.16	108	2.00	1.16		
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.21	110	2.00	0.837		
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.66	111	6.00	0.394		
Total BTEX	<0.300	0.300	10/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	10/02/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2024	ND	201	100	200	5.15	
DRO >C10-C28*	51.1	10.0	10/02/2024	ND	195	97.5	200	1.16	
EXT DRO >C28-C36	12.7	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

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

---

### 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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for 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 thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

---

Celey D. Keene, Lab Director/Quality Manager



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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name: Tetra Tech - Conaco Phillips							
Project Manager: Ryan Dickerson							
Address:							
City: State: Zip:							
Phone #: Fax #:							
Project #: 212C-MD-03442 Project Owner:							
Project Name: W. Lader CTB Tank Overflow/Vessel Release							
Project Location: Lea Co, NM							
Sample Name: Andrew Garcia							
FOR LAB USE ONLY							
Lab I.D.							
Sample I.D.							
NSW-1 (1')							
NSW-2 (2')							
MSW-1 (1')							
SSW-1 (1')							
SSW-2 (4')							
(G)RAB OR (C)OMP.							
# CONTAINERS							
GROUNDWATER							
WASTEWATER							
SOIL							
OIL							
SLUDGE							
OTHER :							
ACID/BASE:							
ICE / COOL							
OTHER :							
DATE							
TIME							
TPH							
BTEx							
Chlorides							

Delivered By: (Circle One)

Observed Temp. °C

Corrected Temp. °C

Sample Condition

CHECKED BY: (Initials)

Turnaround Time:

Standard

Bacteria (only)

Sample Condition

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Remarks:

Verbal Result: Yes No Add'l Phone #:

All Results are emailed. Please provide Email address:

Company:

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

P.O. #:

Analysis Request

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. 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 service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Port# 9006 R 53 071612Z

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 400130

QUESTIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 400130
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2317132356
Incident Name	NAPP2317132356 WILDER FEDERAL CTB @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2129429037] Wilder CTB

Location of Release Source	
Please answer all the questions in this group.	
Site Name	WILDER FEDERAL CTB
Date Release Discovered	06/11/2023
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	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Other (Specify)   Produced Water   Released: 19 BBL   Recovered: 15 BBL   Lost: 4 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	The release was caused by a weld failure on the gas buster due to equipment failure. This release was within an unlined berm on the pad.



Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 400130

**QUESTIONS (continued)**

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 400130
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
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.	

**Initial Response**

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

The source of the release has been stopped	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	Name: Christian LLuLL Title: Project Manager Email: christian.llull@tetrattech.com Date: 11/06/2024
--	--

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 400130

**QUESTIONS (continued)**

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 400130
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Site Characterization</b>	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (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
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 300 and 500 (ft.)
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	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 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	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

<b>Remediation Plan</b>	
<i>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.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	9860
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2705
GRO+DRO (EPA SW-846 Method 8015M)	2250
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>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>	
On what estimated date will the remediation commence	09/23/2024
On what date will (or did) the final sampling or liner inspection occur	10/01/2024
On what date will (or was) the remediation complete(d)	10/04/2024
What is the estimated surface area (in square feet) that will be reclaimed	2200
What is the estimated volume (in cubic yards) that will be reclaimed	122
What is the estimated surface area (in square feet) that will be remediated	2200
What is the estimated volume (in cubic yards) that will be remediated	122
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>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.</i>	

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 400130

**QUESTIONS (continued)**

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 400130
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>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.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
(Select all answers below that apply.)	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	OWL LANDFILL JAL [fJEG1635837366]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> 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.
<i>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>	
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@tetrattech.com Date: 11/06/2024
<i>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.</i>	

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 400130

**QUESTIONS (continued)**

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 400130
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Interim remedial activities consisted of heavy machinery to remove as much contaminated soil as reasonably possible. The remaining impacted area is on a developed pad and does not pose an imminent risk to human health, the environment, or groundwater. On-site reclamation and restoration will occur once the battery is abandoned and operations have ceased at this active well pad. Any additional excavation of the impacted area located within the active battery facility would cause a major facility deconstruction, in addition to creating safety risks associated with excavating near production equipment via aggressive excavation methods (i.e., backhoe/track hoe, excavators, hydraulic hammer, etc.). These interim field activities were completed safely and without any additional unwanted releases to the environment. 19.15.29.13 NMAC will be implemented following abandonment of the tank battery and the associated pipelines and equipment. The area requested for deferral is indicated in Figure 6
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	1513
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	225
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	Wilder CTB [fAPP2129429037]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>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>	
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@tetrattech.com Date: 11/06/2024



Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 6  
  
Action 400130

QUESTIONS (continued)

Operator:  CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID:  217817
	Action Number:  400130
	Action Type:  [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	386013
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/26/2024
What was the (estimated) number of samples that were to be gathered	17
What was the sampling surface area in square feet	4000

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	No

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

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

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

CONDITIONS

Action 400130

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 400130
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Deferral approved. Deferral of the area around AH-1 and NSW-2 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	1/3/2025