



June 19, 2024

Brittany Hall  
Projects Environmental Specialist  
New Mexico Energy, Minerals, and Natural Resources Department  
1220 South St. Francis Drive  
Santa Fe, NM 87505

**Re: Closure Report  
ConocoPhillips Company (Heritage COG Operating, LLC)  
On behalf of Spur Energy Partners, LLC  
Folk Federal #002 Release  
Unit Letter H, Section 17, Township 17 South, Range 29 East  
Eddy County, New Mexico  
Incident ID NAB1630550256**

Ms. Hall:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (ConocoPhillips) to assess a historical COG Operating, LLC (COG) release that occurred at the Folk Federal #002 (API # 30-015-20198). The release footprint is located in Public Land Survey System (PLSS) Unit Letter H, Section 17, Township 17 South, Range 29 East, in Eddy County, New Mexico (Site). The approximate release point occurred at coordinates 32.8361122°, -104.090549°, as shown on Figures 1 and 2. The facility is currently operated by Spur Energy Partners LLC (Spur).

## BACKGROUND

According to the State of New Mexico C-141 Initial Report, the release was discovered on October 14, 2016. The release was caused by a hole in the bottom of the oil tank, this resulted in a release of approximately 18 barrels (bbls) of oil, of which 16 bbls were recovered. Vacuum trucks were immediately dispatched to recover all standing fluid. This release occurred and remained within the bermed area of the facility. The contaminated gravel was removed and replaced with fresh gravel. The NMOCD approved the initial C-141 on October 26, 2016, and subsequently assigned the release the remediation permit (RP) number 2RP-3964 and the Incident ID NAB1630550256. The initial C-141 form is included in Appendix A.

This incident is included in an Agreed Compliance Order-Releases (ACO-R) between COG and the NMOCD signed on November 20 and 26, 2018, respectively. The Folk Federal #002 well transferred operations to Spur in 2019.

## LAND OWNERSHIP

According to the NMOCD Oil and Gas Map, the Site is located on land owned by the Bureau of Land Management (BLM). The BLM approved access to the Site for drilling a groundwater determination boring and additional activities on January 2, 2024. Regulatory correspondence is included in Appendix B.

## SITE CHARACTERIZATION

A contemporaneous site characterization was performed in accordance with 19.15.29.11 New Mexico State Administrative Code (NMAC) and the guidance document Process Updates re: Submissions of Form C-141 Release Notification and Corrective Actions (12/01/2023).

A summary of the site characterization is presented below:

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Shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (feet bgs)	>105 feet bgs
Method used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water?	No
<b><u>What is the minimum distance between the closest lateral extents of the release and the following surface areas:</u></b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 miles
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	1.03 miles
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 miles
A spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes	1.86 miles
Any other fresh water well or spring	Greater than 5 miles
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 miles
A wetland	1.03 miles
A subsurface mine	Greater than 5 miles
A (non-karst) unstable area	Greater than 5 miles
Categorized risk of this well / site being in a karst geology	High
A 100-year floodplain	1.02 miles
Did the release impact areas not on an exploration, development, production, or storage site?	No

There are no water wells listed in the New Mexico Office of the State Engineer (NMOSE) database located within approximately 0.5 miles (800 meters) of the Site. The nearest well with recent groundwater data is located approximately 1.86 miles from the Site with a depth to water of 76 feet below ground surface (bgs).

As the available water level information is from a well farther than ½-mile away from the site and based on NMOC guidance, ConocoPhillips elected to drill a boring to verify depth to groundwater. The proposed location of the depth to groundwater boring is located on BLM lands. Tetra Tech contacted Shelly Tucker of the BLM via email to obtain approval of the location. An Application for Permit to Drill (WD-07) was submitted to the NMOSE on December 18, 2023. Approval was granted by the NMOSE on January 10, 2024 (RA-13407-POD1); a copy of the approved permit is included in Appendix B.

On February 5, 2024, ConocoPhillips contracted a licensed well drilling subcontractor to drill a groundwater determination borehole (DTW) to 105 feet bgs east of the pad. The borehole was temporarily set and screened using 2-inch PVC well materials. No water was present in the well during or after drilling. The well screen and casing were removed, and the borehole was plugged with 3/8-inch bentonite chips. The borehole coordinates are 32.836350°, -104.090378° and the boring location is indicated in Figure 3. The site characterization data, boring log, and temporary well diagram are included in Appendix C. A copy of the WD-11 Plugging Record is included in Appendix B.

## REGULATORY FRAMEWORK

Based upon the release footprint and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action

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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 (high karst potential) and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

Constituent	Site RRAL
Chloride	600 mg/kg
TPH (GRO+DRO+MRO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

## HISTORICAL ASSESSMENT AND REPORTING

The battery facility has one previous assessment event for an associated release within the firewall. Tetra Tech conducted initial site assessment on behalf of COG in 2009. Tetra Tech installed hand augers inside the facility firewalls, however, only one (1) sample was collected from the surface interval of 0-1 feet bgs as deeper samples could not be obtained due to the shallow dense formation at the site.

## MARCH 2017 DEFERMENT REPORT

On January 26, 2017, Tetra Tech personnel were onsite to inspect the release area for access and safety concerns for assessment associated with the NAB1630550256 release. Based on the inspection, it was determined that backhoe trenches or boreholes could not be installed due to access issues with the facility equipment and active lines located inside and outside the facility firewalls. Due to access issues and limited hydrocarbon impact, COG proposed to defer the spill area until abandonment; however, the top 6 inches of the release area were proposed to be hand excavated to remove the heavily impacted soils. The area would then be treated by adding a Micro-Blaze product to remediate the hydrocarbon impact to the soils.

Tetra Tech prepared a Deferment Report dated March 9, 2017, which was submitted to the NMOCD via email on March 10, 2017. The Deferment Report was rejected by Mike Bratcher of the NMOCD via email on March 14, 2017. The reason for the rejection were as follows:

- “At this time, your request for deferment is **not** approved. OCD does approve the proposal to remove 6” of impacted material in the affected area. For deferral consideration. OCD requests the removal of impacted material to the extent practicable, and delineation to the extent practicable. Please obtain samples after the excavation event, as practicable, for documentation. Microblaze application may then be applied and the site considered for deferment.”

A copy of the Deferment Report is available in the NMOCD online imaging files for 2RP-3964. A copy of the regulatory correspondence is included in Appendix B.

## JUNE 2017 REVISED DEFERMENT REPORT

In June 2017, COG conducted remedial activities at the site that consisted of excavation and removal of the top 6 inches of impacted soils. Deeper excavation could not be performed due to the dense subsurface formation encountered at depth.

On June 7, 2017, Tetra Tech was onsite to collect soil samples from the release area. Seven (7) sample locations were installed to a maximum depth of 6 inches bgs. A total of seven (7) samples were collected from the sample locations and sent to Xenco Laboratories in Midland, Texas to be analyzed for TPH via EPA Method 8015M and BTEX via EPA Method 8021B. Sample locations are presented in Figure 3.

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Analytical results from the June 2017 assessment activities are summarized in Table 1. All analytical results exceeded the TPH RRAL of 100 mg/kg. Analytical results were exceeding the BTEX RRAL of 10 mg/kg at SP-4, SP-6 and SP-7.

On behalf of COG, Tetra Tech prepared a Revised Deferment Report dated June 26, 2017, that summarized the assessment and remedial activities and requested that remedial actions be deferred until abandonment as numerous underground and above ground lines, as well as equipment inside and outside the battery pose safety and access issues for sampling or remediation of soils.

The NMOCD responded to the 2017 Revised Deferment Report via email on October 16, 2017, with the following comments:

- *"After a review of the proposal to defer the above referenced release, based on analytical data and potential relatively shallow depth to ground water, OCD requests a boring be installed, as close to the impacted area as possible, to determine actual depth to ground water at this site. Water quality and a determination of impact may be required. Please advise once this activity has been scheduled."*

A copy of the 2017 Revised Deferment Report is available in the NMOCD online imaging files for 2RP-3964. A copy of the regulatory correspondence is included in Appendix B.

## **FEBRUARY 2018 REVISED DEFERMENT REPORT**

Based on the NMOCD rejection of the 2017 Revised Deferment Report and ensuing request for a depth-to-groundwater boring, Tetra Tech re-evaluated the access at the site and was able to determine one area in the vicinity of the footprint that was accessible to the drilling rig. The earthen berm was removed to allow drilling of one borehole for vertical delineation on the eastern side of the battery facility.

On December 20, 2017, Tetra Tech was onsite to supervise the installation of one borehole (BH-1) to attempt to attain vertical delineation of the release area footprint. Based on site access, production equipment and site hazards, one borehole was installed roughly between the former locations of SP-1 and SP-2. Selected samples were analyzed for TPH analysis by EPA method 8015 modified and BTEX by EPA Method 8021B. The borehole location is indicated on Figure 4. The sampling results are summarized in Table 1.

Based on the results of the additional drilling activities, a Revised Deferment Report dated February 5, 2018 was completed by Tetra Tech and submitted to NMOCD on behalf of COG first via email in 2018, and then resubmitted via the NMOCD Fee Application Portal in September 2023. On September 28, 2023, the NMOCD rejected the 2018 Revised Deferment Report via email (Appendix B). The following comments were included in the rejection:

- *"Application submitted under incorrect operator OGRID. A C-145 was submitted and approved by the OCD for a change in operator for this site on 12/2/2019. Spur Energy Partners, LLC (328947) is the current operator this application was submitted under COG Operating LLC (229137). Previous submissions for this release have been reviewed. Deferral of the contamination have been denied by the OCD on 3/14/2017 and 10/16/2017. Based on these denials and the transitional provisions that can be found in 19.15.29.16 NMAC, this release will need to meet all the requirements of 19.15.29 NMAC (effective 8/14/2018). The depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided in the submission. The responsible party may choose to remediate to the most stringent levels listed in Table 1 of 19.15.29 NMAC in lieu of drilling to determine the depth to groundwater. Deferral is denied. The release is not fully delineated. Per 19.15.29.12 C. (2) NMAC "...The deferral may be granted so long as the contamination is fully delineated and does not cause an imminent risk to human health, the environment, or ground water. Final remediation and reclamation shall take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC once the site is no longer being used for oil and gas*

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*operations." Horizontal and vertical delineation will need to be completed before a deferral is approved. Submit a complete report through the OCD Permitting website by 12/29/2023."*

## C-145 CHANGE IN OPERATOR

Spur Energy Partners, LLC (328947) acquired the Folk Federal #002 Release (NAB1630550256) formerly operated by COG (229137); however, COG retained environmental liability and the site is included in the ACO-R with the NMOCD, related to unresolved releases from ConocoPhillips's predecessor-in-interest ("COG"). A C-145 was submitted and approved by the OCD for a change in operator from COG to Spur, in December 2019.

## 2023 ADDITIONAL SITE ASSESSMENT AND SAMPLING RESULTS

Tetra Tech conducted additional assessment sampling at the Site on behalf of ConocoPhillips to evaluate current conditions within and around the release footprint and assess remaining Table 1 constituent concentration levels in soil. On December 19 and 20, 2023, Tetra Tech oversaw the installation of four (4) hand auger borings (HA-1 through HA-5) to 0-1 feet bgs around the approximate release extent to obtain horizontal delineation. One trench (T-1) was installed with a mini-excavator to 2.25 feet bgs within the earthen berm in an accessible area of the release footprint to obtain vertical delineation. The mini-excavator met refusal at approximately 2.25 feet bgs. The additional sampling locations are indicated in Figure 5.

A total of ten (10) soil samples were collected from the five (5) hand auger borings and one (1) trench location and sent to Cardinal Laboratories in Hobbs, NM to be analyzed for chloride via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8261B.

Analytical results from the December 2023 soil sampling event are summarized in Table 2. Analytical results associated with trench location T-1 exceeded the TPH RRAL of 100 mg/kg down to 2 feet bgs. All other analytical results were below the chloride, TPH, benzene and total BTEX reclamation requirements of 600 mg/kg, 100 mg/kg, 10 mg/kg, and 50 mg/kg, respectively. Vertical delineation was achieved in the 2-2.25 feet soil sampling interval at T-1, and horizontal delineation was achieved at all of the hand auger sampling locations.

## 2024 RELEASE CHARACTERIZATION AND REMEDIATION WORK PLAN

A Release Characterization and Remediation Work Plan (Work Plan) was prepared by Tetra Tech on behalf of ConocoPhillips and submitted to NMOCD on March 25, 2024. The Work Plan described the results of the 2023 additional site assessment and provided characterization of the impact at the Site. The Work Plan was approved via email by Brittany Hall of the NMOCD on Monday, April 1, 2024, with the following comment:

- *"Remediation work plan approved. If pressurized lines are found within the excavated areas, based and wall samples will need to be collected from the 4-ft buffer zones. If contamination is found within the 4-ft buffer zones, it will need to be removed utilizing hand shovels or a hydrovac.*
- *Submit a complete report through the OCD Permitting website by July 31, 2024."*

The NMOCD-approved Work Plan was submitted via email to Shelly Taylor of the Bureau of Land Management (BLM) on April 9, 2024. The Work Plan was approved by Shelly Taylor on April 9, 2024, with the following comments:

- *"BLM grants approval to begin remediation."*

Regulatory correspondence is included in Appendix B.

## REMEDIAL ACTIVITIES AND CONFIRMATION SAMPLING

From May 14 to 20, 2024, Tetra Tech personnel were onsite to supervise the remediation and reclamation activities proposed in the approved Work Plan, including excavation, disposal, and confirmation sampling.

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On May 21, 2024, the NMOCD district office was notified via the OCD Portal. Documentation of associated regulatory correspondence is included in Appendix B.

Impacted soils were excavated as indicated in Figure 6. The areas within the release footprint were excavated to a maximum depth of 2 feet below surrounding grade. Photographs from the excavated areas prior to backfill are provided in Appendix D.

All excavated material was transported offsite for proper disposal. Approximately 286 cubic yards of material were transported to the R360 Halfway Landfill in Hobbs, New Mexico. Copies of the waste manifests are included in Appendix E.

Following excavation, confirmation floor and sidewall samples were collected and submitted for laboratory analysis to verify efficacy of remediation activities. Per the NMOCD-approved confirmation sampling plan, confirmation samples were collected such that each discrete sample (sidewall and floor) was representative of no more than 400 square feet of excavated area. A total of eight (8) confirmation floor sample locations and four (4) confirmation sidewall sample locations were used during remedial activities. Confirmation sidewall sample locations were categorized with the cardinal direction (N, E, S, W) followed by SW-#. Confirmation floor sample locations were labeled with "FS"-#. Excavated areas, depths and confirmation sample locations are indicated in Figure 6.

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

The results of the May 2024 confirmation sampling events are summarized in Table 3. All final confirmation soil samples (floor and sidewall) were below applicable cleanup levels for chloride, TPH, and BTEX. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix F.

## RECLAMATION ACTIVITIES

Based on 19.15.29.13 NMAC, all areas disturbed by the remediation have been reclaimed. 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 reclamation requirements and established Site RRALs to demonstrate compliance. All final confirmation soil samples (floor and sidewall) were below applicable cleanup levels for chloride, TPH and BTEX. Excavated areas, depths and confirmation sample locations are indicated in Figure 6. The results of the May 2024 confirmation sampling events are summarized in Table 3.

Once acceptable confirmation sample results were received, the excavation was backfilled with clean material to pre-release grade. In accordance with 19.15.29.12 NMAC, the reclaimed area contained a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by SM4500Cl-B. The soil cover included a top layer consisting of one foot of suitable material to establish vegetation at the site. The area was seeded following backfilling, to aid in revegetation. Based on the soils of the site, the LPC Sand/Shinnery Seed Mixture was used for seeding and was planted in the amount specified in the pounds pure live seed (PLS) per acre. One (1) representative 5-point composite sample was collected from the backfill material used for the reclamation of the project site. Soil backfill composite sampling results are summarized in Table 4. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix F.

Site inspections will be performed annually to assess the revegetation progress and evaluate the site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the NMSLO will be contacted to determine an effective method for eradication. If the site does not show revegetation after one growing season, the area will be reseeded as appropriate. The BLM seed mixture details in corresponding pounds per live seed per acre are included in Appendix G.

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ConocoPhillips

## CONCLUSION

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

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



Nicholas M. Poole, G.I.T.  
Project Manager



Samantha K. Abbott, P.G.  
Senior Project Manager

cc:  
Mr. Ike Tavarez, RMR – ConocoPhillips  
Ms. Shelly Taylor - BLM

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June 19, 2024

ConocoPhillips

## LIST OF ATTACHMENTS

### Figures:

- Figure 1 – Overview Map
- Figure 2 – Site Location/Topographic Map
- Figure 3 – Approximate Release Extent and Initial Response
- Figure 4 – Depth-To-Water Boring Location
- Figure 5 – Additional Site Assessment (2023)
- Figure 6 – Remedial Activities and Confirmation Sampling

### Tables:

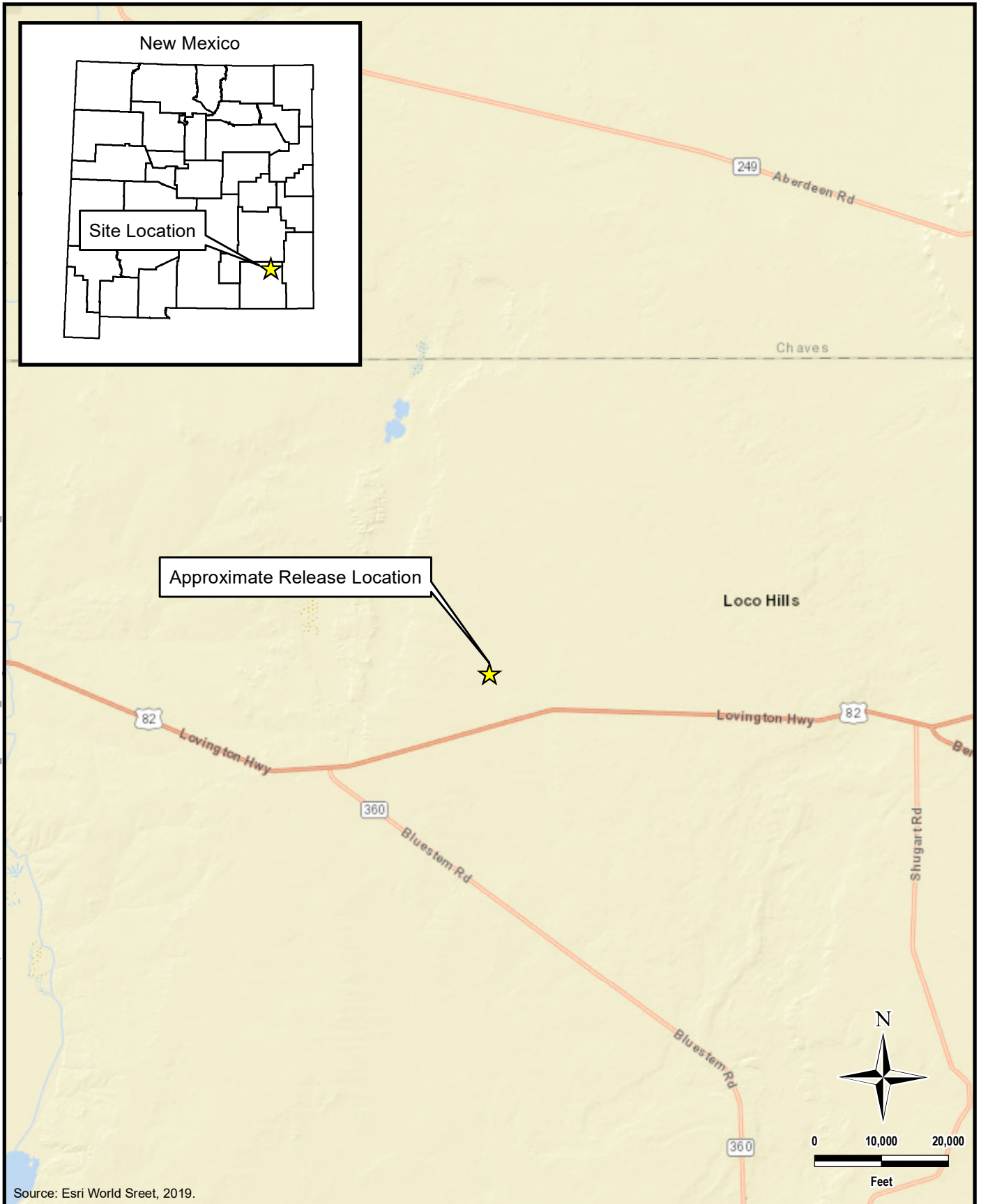
- Table 1 – Summary of Analytical Results – 2017 Soil Assessment
- Table 2 – Summary of Analytical Results – 2023 Soil Assessment
- Table 3 – Summary of Analytical Results – 2024 Soil Confirmation Sampling
- Table 4 – Summary of Analytical Results – 2024 Soil Backfill

### Appendices:

- Appendix A – C-141 Forms
- Appendix B – Regulatory Correspondence
- Appendix C – Site Characterization
- Appendix D – Photographic Documentation
- Appendix E – Waste Manifests
- Appendix F – Laboratory Analytical Data (Remediation & Backfill)
- Appendix G – BLM Seed Mixture Details

## **FIGURES**

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**TETRA TECH**

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**CONOCOPHILLIPS**

NAB1630550256  
(32.8361122°, -104.090549°)  
EDDY COUNTY, NEW MEXICO

**FOLK FEDERAL #002 TANK BATTERY  
OVERVIEW MAP**

PROJECT NO.: 212C-MD-03291

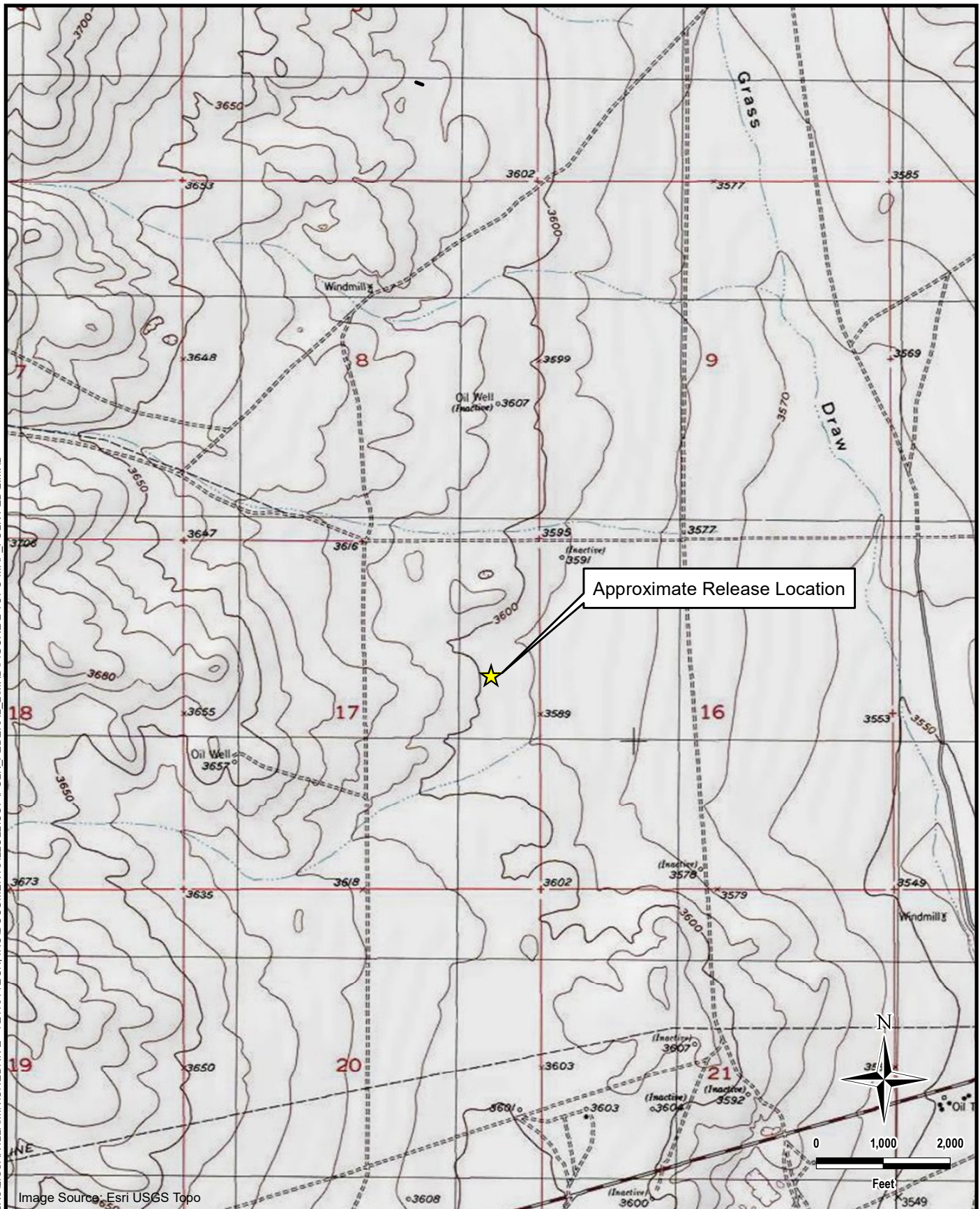
DATE: DECEMBER 20, 2023

DESIGNED BY: LMV

Figure No.

**1**

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**CONOCOPHILLIPS**

NAB1630550256  
(32.8361122°, -104.090549°)  
EDDY COUNTY, NEW MEXICO

**FOLK FEDERAL #002 TANK BATTERY  
TOPOGRAPHIC MAP**

PROJECT NO.: 212C-MD-03291

DATE: DECEMBER 20, 2023

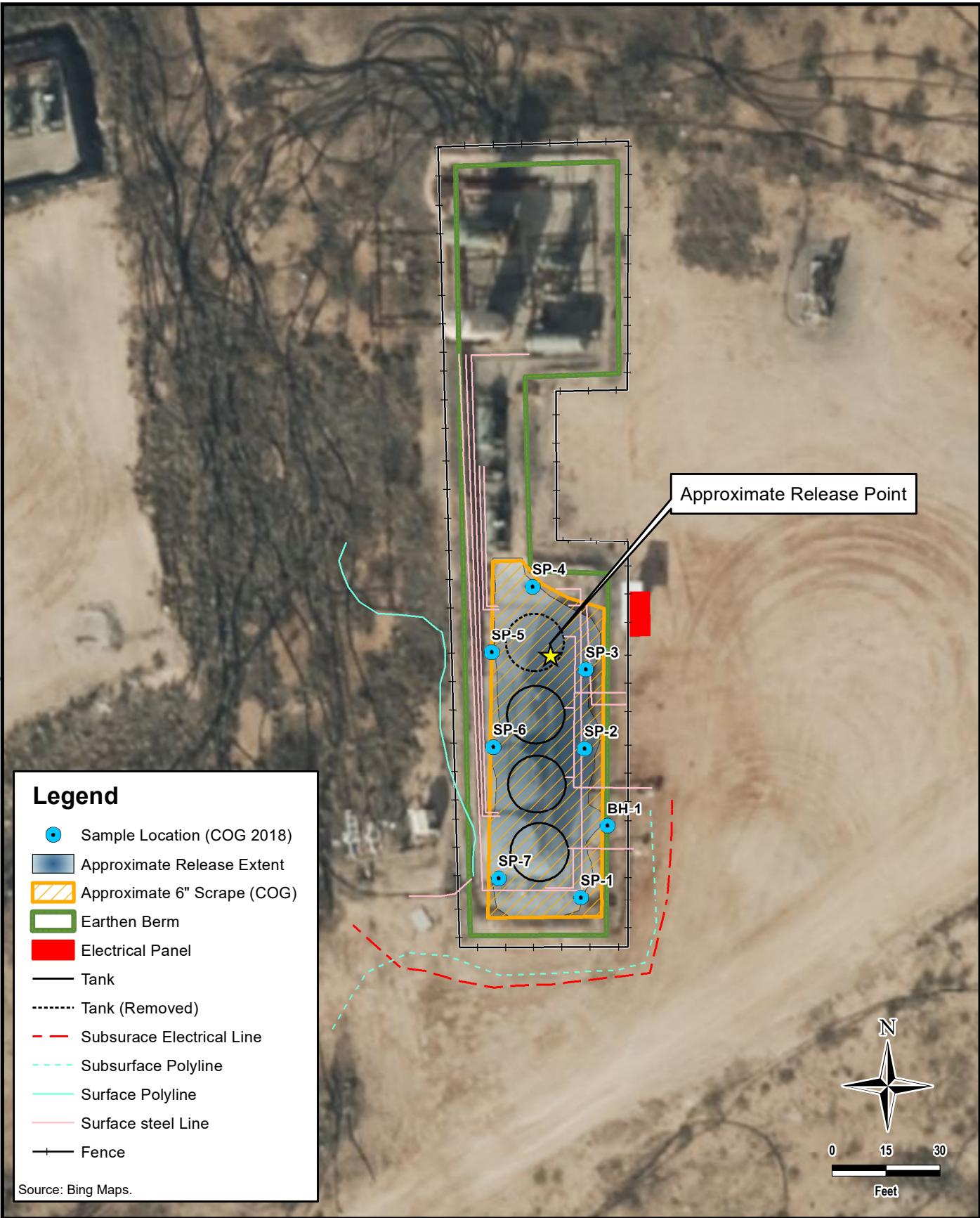
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Figure No.

**2**

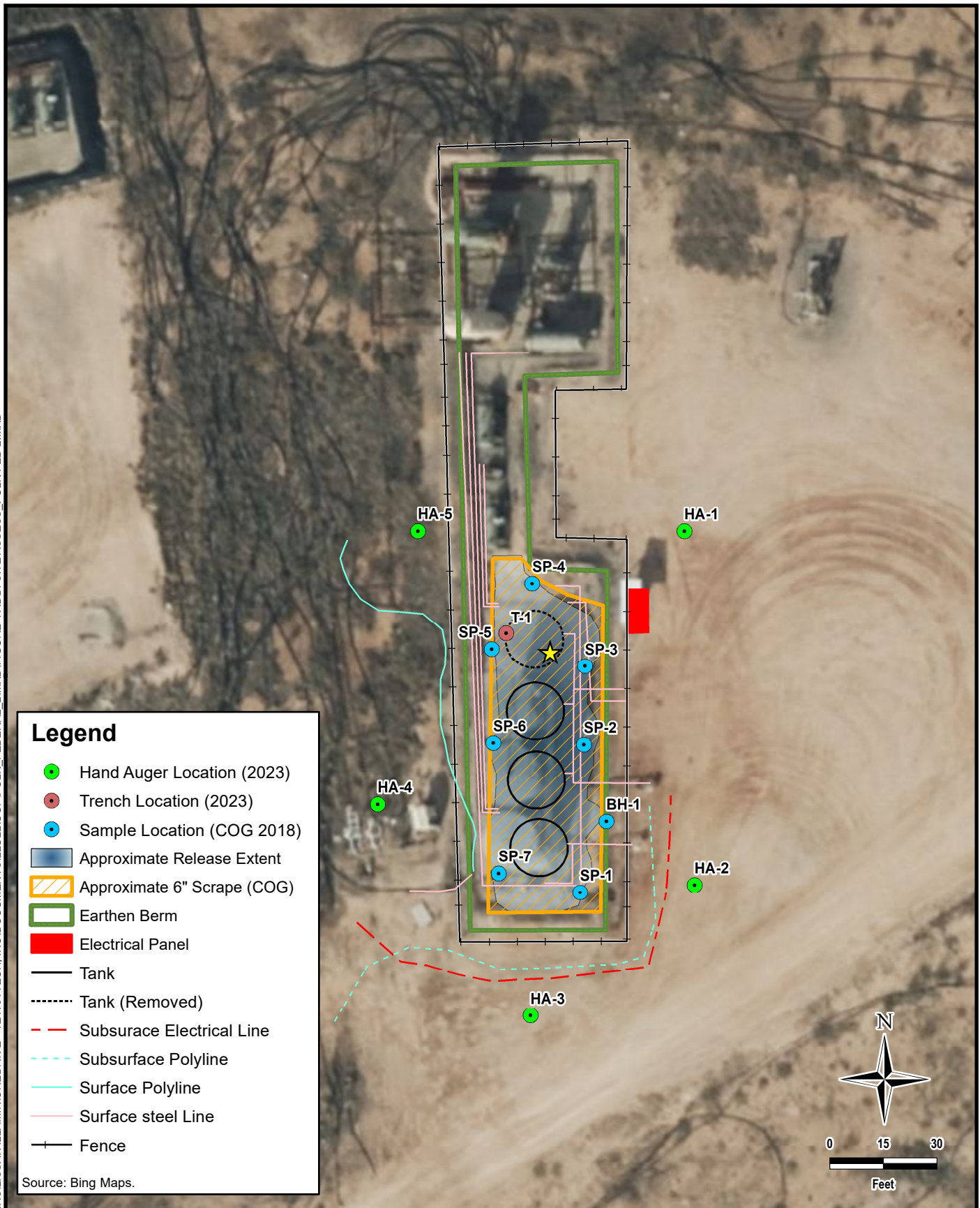


DOCUMENT PATH: C:\USERS\LISSA.VILLAMINIONEDRIVE - TETRA TECH\INC\DOCUMENTS\ILLU\COPI\FOLK\_FEDERAL\_2\MXD\FIGURE 3 APPROX RELEASE & ASSESS\_FOLK FED 2.MXD



<div><b>TETRA TECH</b></div> <div>www.tetrattech.com</div> <div>901 West Wall Street, Suite 100 Midland, Texas 79701 Phone: (432) 682-4559 Fax: (432) 682-3946</div>	<b>CONOCOPHILLIPS</b>		PROJECT NO.: 212C-MD-03291
	NAB1630550256 (32.8361122°, -104.090549°) EDDY COUNTY, NEW MEXICO		DATE: DECEMBER 21, 2023
	<b>FOLK FEDERAL #002 TANK BATTERY</b>		DESIGNED BY: LMV
	<b>APPROXIMATE RELEASE EXTENT AND INITIAL RESPONSE</b>		Figure No. <b>4</b>

DOCUMENT PATH: C:\USERS\LISSA.VILLAMINONEDRIVE - TETRA TECH, INC\DOCUMENTS\ILLUSTRATIONS\FOLK - 212C\FIGURE 4 ADD. SITE ASSESS - FOLK FED 2.MXD

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**CONOCOPHILLIPS**

NAB1630550256  
(32.8361122°, -104.090549°)  
EDDY COUNTY, NEW MEXICO

**FOLK FEDERAL #002 TANK BATTERY  
ADDITIONAL SITE ASSESSMENT (2023)**

PROJECT NO.: 212C-MD-03291

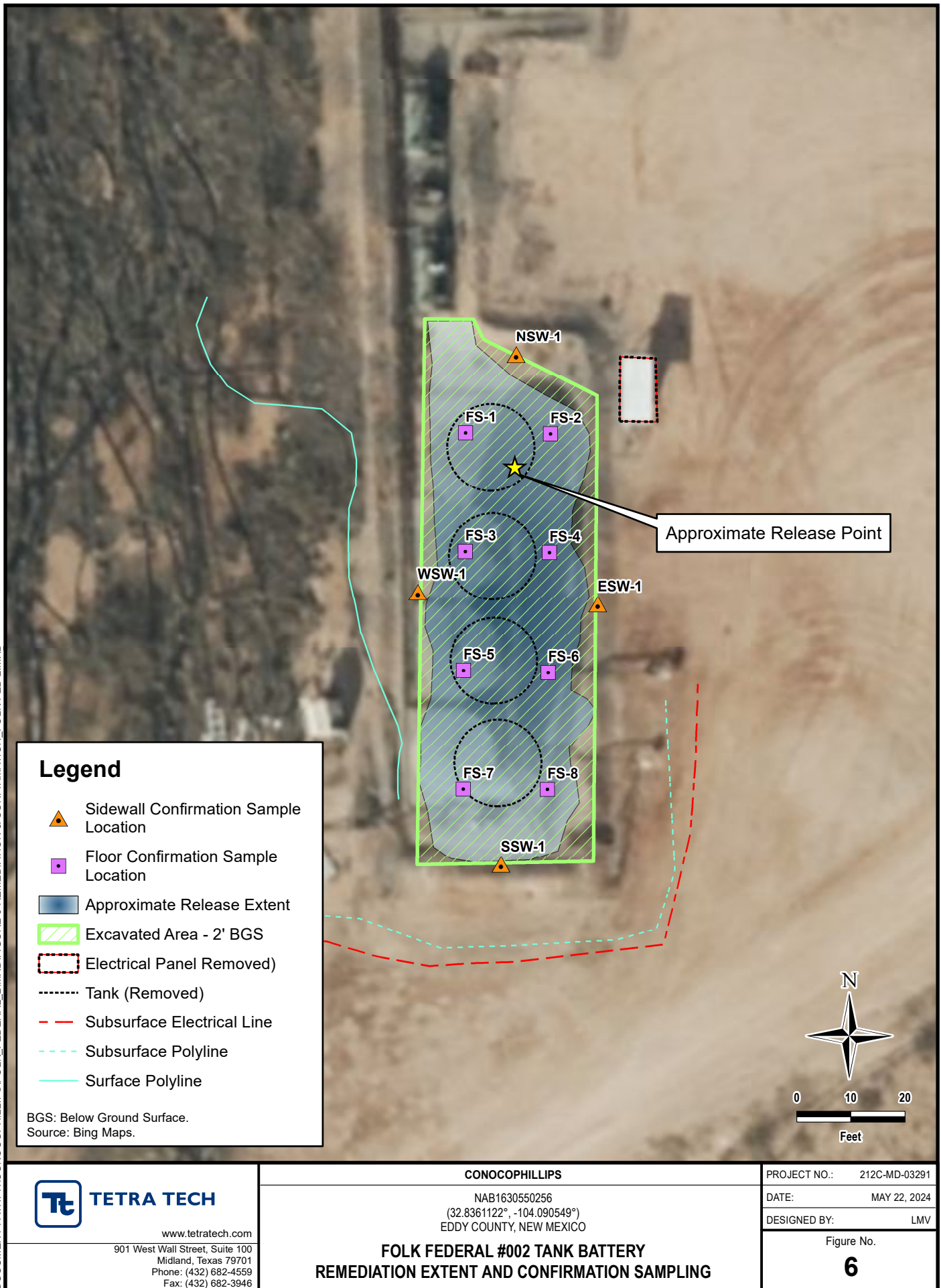
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Figure No.

**5**

DOCUMENT PATH: Y:\CONOCOPHILLIPS\FOLK\_FEDERAL\_21MXD\FIGURE 6 REMEDIATION &amp; CONFIRMATION\_FOLK FED 2.MXD



## **TABLES**

TABLE 1  
SUMMARY OF ANALYTICAL RESULTS  
2017 SOIL ASSESSMENT - NAB1630550256  
CONOCOPHILLIPS  
FOLK FEDERAL #002  
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	BTEX <sup>2</sup>										TPH <sup>3</sup>						
			Benzene		Toluene		Ethylbenzene		Xylene		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	mg/kg	Q	mg/kg	Q	
SP-1	6/7/2017	0-0.5	<0.00372		<0.00372		<0.00372		<0.00372		<0.00372		379		3,350		355		4,080
SP-2	6/7/2017	0-0.3	<0.00356		<0.00356		0.00731		0.00772		0.015		349		4,840		533		5,720
SP-3	6/7/2017	0-0.3	<0.00380		<0.00380		0.0428		0.0438		0.0866		501		4,810		504		5,820
SP-4	6/7/2017	0-0.3	0.404		1.01		25.6		78.2		105		1,280		4,520		363		6,160
SP-5	6/7/2017	0-0.3	<0.00389		<0.00389		<0.00389		<0.00389		<0.00389		215		2,900		283		3,400
SP-6	6/7/2017	0-0.5	7.69		59.2		93.4		344		504		6,410		7,520		952		14,900
SP-7	6/7/2017	0-0.5	7.69		99.3		111		203		421		4,450		5,330		607		10,400
BH-1	12/20/2017	0-1	<0.00199		<0.00199		<0.00199		<0.00199		<0.00199		<15.0		<15.0		<15.0		<15.0
		2-3	<0.00198		<0.00198		<0.00198		<0.00198		<0.00198		<15.0		<15.0		<15.0		<15.0
		4-5	<0.00201		<0.00201		<0.00201		<0.00201		<0.00201		<15.0		<15.0		<15.0		<15.0

NOTES:

ft. Feet

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

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method 8021B

2 Method 8015M

TABLE 2  
SUMMARY OF ANALYTICAL RESULTS  
2023 SOIL ASSESSMENT - NAB1630550256  
CONOCOPHILLIPS  
FOLK FEDERAL #002  
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>						
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO	DRO		EXT DRO		Total TPH	
			ft. bgs	ppm	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>	> C <sub>10</sub> - C <sub>28</sub>		> C <sub>28</sub> - C <sub>36</sub>		(GRO+DRO+EXT DRO)	
HA-1	12/19/2023	0-1	72.1		32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
HA-2	12/19/2023	0-1	69.7		32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
HA-3	12/19/2023	0-1	63.8		<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
HA-4	12/19/2023	0-1	65.2		<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		10.0		10.0
HA-5	12/19/2023	0-1	98		16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		22.7		17.0		39.7
T-1	12/20/2023	0-0.5			<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<b>1440</b>	QM-07	<b>732</b>		<b>2172</b>
		0.5-1			32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<b>1270</b>		<b>585</b>		<b>1855</b>
		1-1.5			32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<b>656</b>		<b>377</b>		<b>1033</b>
		1.5-2			48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<b>458</b>		<b>242</b>		<b>700</b>
		2-2.25			16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		68.9		21.9		90.8

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.**

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  
2024 SOIL CONFIRMATION SAMPLING - NAB1630550256  
CONOCOPHILLIPS  
FOLK FEDERAL #002  
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>						
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH
			ft. bgs	ppm	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	(GRO+DRO+EXT DRO)
FS-1	5/15/2024	2	176	0.9	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-2	5/15/2024	2	218	0.3	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-3	5/15/2024	2	199	0.6	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-4	5/15/2024	2	232	0.0	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-5	5/15/2024	2	183	0.5	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-6	5/15/2024	2	290	0.6	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-7	5/15/2024	2	228	0.5	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-8	5/15/2024	2	166	0.3	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
NSW-1	5/15/2024	-	342	0.4	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
ESW-1	5/15/2024	-	218	0.5	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
SSW-1	5/15/2024	-	97.4	0.4	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-1	5/15/2024	-	54.2	0.0	208		<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 SM4500CI-B  
2 Method 8021B  
3 Method 8015M

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

TABLE 4  
SUMMARY OF ANALYTICAL RESULTS  
SOIL BACKFILL  
CONOCOPHILLIPS  
CAVENESS PIT (32.7486806, -103.8670468)  
EDDY COUNTY, STATE

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		Total TPH	
														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	mg/kg	
BACKFILL - COMPOSITE	2/27/2024	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	

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

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

NMOCD Artesia

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

## Release Notification and Corrective Action

## OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: COG Operating LLC	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077
Facility Name: FOLK FEDERAL TANK BATTERY	Facility Type: Battery

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-20198
------------------------	------------------------	----------------------

## LOCATION OF RELEASE

Unit Letter L	Section 17	Township 17S	Range 29E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	----------------

Latitude 32.836062 Longitude -104.090789

## NATURE OF RELEASE

Type of Release: Oil	Volume of Release: 18 bbls of Oil	Volume Recovered: 16 bbls of Oil
Source of Release: Hole in Tank	Date and Hour of Occurrence: 10/14/2016 unknown	Date and Hour of Discovery: 10/14/2016 12:00 PM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*



Describe Cause of Problem and Remedial Action Taken.\*

This release was caused by a hole in the bottom of the oil tank. The tank was taken out of service and the valves going to it were closed. Vacuum trucks were immediately dispatched to recover all standing fluid.

Describe Area Affected and Cleanup Action Taken.\*

This release occurred and remained within the bermed area of the facility. The contaminated gravel has been removed and replaced with fresh gravel. Concho will have the spill site sampled to delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation work.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Dakota Neel	Approved by Environmental Specialist: 	
Title: Environmental Coordinator	Approval Date: 10/26/2016	Expiration Date: N/A
E-mail Address: dneel2@concho.com	Conditions of Approval: see attached	Attached <input checked="" type="checkbox"/>
Date: October 24, 2016 Phone: 575-748-6933		

\* Attach Additional Sheets If Necessary

2RP-3964

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 10/25/2016 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number **2RP-3964** has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

*The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]*

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District II office in Artesia on or before 11/26/2016. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized to the following concentrations: benzene 10 mg/kg, total BTEX 50 mg/kg, TPH (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>) 100 mg/kg, chloride 600 mg/kg. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized to the following concentrations: benzene 10 mg/kg, total BTEX 50 mg/kg, TPH (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>) 100 mg/kg, chloride 250 mg/kg. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- No inference should be made concerning the minimum characterization concentrations expressed above as to the ultimate remediation levels which might be approved. Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- Probable depth to shallowest groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

**Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.**

**Jim Griswold**

OCD Environmental Bureau Chief  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505  
505-476-3465  
jim.griswold@state.nm.us

Incident ID	NAB1630550256
District RP	2RP-3964
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>105 (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 checked="" type="checkbox"/> Yes <input 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.

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	NAB1630550256
District RP	2RP-3964
Facility ID	
Application ID	

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

Printed Name: Ike Tavaréz Title: Program Manager, Remediation

Signature:  Date: 3/25/24

email: ike.tavaréz@conocophillips.com Telephone: 432-685-2573

**OCD Only**

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

Incident ID	NAB1630550256
District RP	2RP-3964
Facility ID	
Application ID	

## Remediation Plan


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

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

**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: Ike Tavaréz Title: Program Manager, Remediation  
Signature:  Date: 3/25/24  
email: ike.tavaréz@conocophillips.com Telephone: 432-685-2573

**OCD Only**

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

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

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

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

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

QUESTIONS

Action 326431

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	326431
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1630550256
Incident Name	NAB1630550256 FOLK FEDERAL #002 @ 30-015-20198
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Well	[30-015-20198] FOLK FEDERAL #002

Location of Release Source	
Please answer all the questions in this group.	
Site Name	FOLK FEDERAL #002
Date Release Discovered	10/14/2016
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Corrosion   Tank (Any)   Crude Oil   Released: 18 BBL   Recovered: 16 BBL   Lost: 2 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

**District I**

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

**District II**

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

**District III**

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

**District IV**

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

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

QUESTIONS, Page 2

Action 326431

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	326431
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

**QUESTIONS**

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

**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: 03/25/2024
--	--

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

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

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

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

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

QUESTIONS, Page 3

Action 326431

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	326431
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No

What is the minimum distance, between the closest lateral extents of the release and the following surface areas:

A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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.

Requesting a remediation plan approval with this submission	Yes
---	-----

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.

Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	48
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	14900
GRO+DRO (EPA SW-846 Method 8015M)	13930
BTEX (EPA SW-846 Method 8021B or 8260B)	504
Benzene (EPA SW-846 Method 8021B or 8260B)	7.7

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.

On what estimated date will the remediation commence	05/25/2024
On what date will (or did) the final sampling or liner inspection occur	05/28/2024
On what date will (or was) the remediation complete(d)	05/29/2024
What is the estimated surface area (in square feet) that will be reclaimed	3049
What is the estimated volume (in cubic yards) that will be reclaimed	226
What is the estimated surface area (in square feet) that will be remediated	3049
What is the estimated volume (in cubic yards) that will be remediated	226

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.

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.

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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
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Santa Fe, NM 87505

QUESTIONS, Page 4  
Action 326431

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	326431
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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>	
<i>(Select all answers below that apply.)</i>	
(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	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
<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: 03/25/2024
<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>	

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QUESTIONS, Page 5  
  
Action 326431

QUESTIONS (continued)

Operator:  COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	326431
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

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

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QUESTIONS, Page 6

Action 326431

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 326431
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

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

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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Santa Fe, NM 87505

CONDITIONS

Action 326431

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 326431
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
bhall	Remediation work plan approved. If pressurized lines are found within the excavated areas, based and wall samples will need to be collected from the 4-ft buffer zones. If contamination is found within the 4-ft buffer zones, it will need to be removed utilizing hand shovels or a hydrovac.	4/1/2024
bhall	Submit a complete report through the OCD Permitting website by July 31, 2024.	4/1/2024

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

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

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

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

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

## **APPENDIX B**

### **Regulatory Correspondence**

**Chama, Sam**

---

**From:** Taylor, Shelly J <sjtaylor@blm.gov>  
**Sent:** Tuesday, January 2, 2024 8:57 AM  
**To:** Chama, Sam  
**Subject:** Re: [EXTERNAL] RE: Access Request - Folk Federal #002 Tank Battery Release (NAB1630550256)

You don't often get email from sjtaylor@blm.gov. [Learn why this is important](#)

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

BLM grants authorization to drill the borehole to determine water depth.

Sincerely,

*Shelly J Taylor*

Assistant Field Manager  
Lands & Minerals - Acting

Bureau of Land Management  
Pecos District/Roswell Field Office  
2909 W 2<sup>nd</sup> St  
Roswell, NM 88201

Direct 575.627.0250  
Mobile 575.200.0614  
[sjtaylor@blm.gov](mailto:sjtaylor@blm.gov)



---

**From:** Chama, Sam <SAM.CHAMA@tetrattech.com>  
**Sent:** Monday, January 1, 2024 8:06 PM  
**To:** Taylor, Shelly J <sjtaylor@blm.gov>  
**Subject:** [EXTERNAL] RE: Access Request - Folk Federal #002 Tank Battery Release (NAB1630550256)

**This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.**

Hi Shelly,

I wanted to follow up with you and confirm we had received approval to perform a depth to water borehole on BLM land at the previously mentioned site.

Thank you,

**Sam Chama, G.I.T.** | Sci. Geologist III  
Mobile +1 (509) 768-2191 | Business +1 (512) 338-1667 | Fax +1 (512) 338-1331 | [sam.chama@tetrattech.com](mailto:sam.chama@tetrattech.com)

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8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | [tetrattech.com](http://tetrattech.com)

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---

**From:** Chama, Sam

**Sent:** Monday, December 18, 2023 10:26 AM

**To:** [sjtaylor@blm.gov](mailto:sjtaylor@blm.gov)

**Subject:** RE: Access Request - Folk Federal #002 Tank Battery Release (NAB1630550256)

Hi Shelly,

Thank you for taking my call this morning. We have authorization from Spur to drilling the boring for the depth-to-water boring on their pad. This email is to follow up on our conversation where you gave me verbal authorization for access.

Thank you,

**Sam Chama, G.I.T.** | Sci. Geologist III

Mobile +1 (509) 768-2191 | Business +1 (512) 338-1667 | Fax +1 (512) 338-1331 | [sam.chama@tetrattech.com](mailto:sam.chama@tetrattech.com)

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---

**From:** Chama, Sam

**Sent:** Monday, December 18, 2023 10:20 AM

**To:** [sjtaylor@blm.gov](mailto:sjtaylor@blm.gov)

**Subject:** Access Request - Folk Federal #002 Tank Battery Release (NAB1630550256)

**Importance:** High

Shelly,

Tetra Tech is assisting ConocoPhillips with assessment activities associated with an older historical release (occurred on October 14, 2016) on BLM land.

The **Folk Federal #002 Tank Battery Release** released approximately 18 barrels (bbls) of crude oil, of which 16 bbls of oil were recovered.

It was an on pad release footprint, and remained within the berm of the tank battery.

In order to complete the assessment and the submittal process we are requesting verbal approval to install a Depth to water borehole (DTW) off a right of way (ROW) on BLM Land, on the east side of the pad.

KMZ file attached and screengrab below.

To comply with the New Mexico Office of State Engineer (OSE) permit requirements, we must include landowner approval when submitting the *Application for Permit to Drill* (WR-07).

We have the application ready, we just need your approval.

Please let me know if you require any other permitting or compliance items in addition to this email approval before we begin work.

**Folk Federal #002 Tank Battery Release**

**Unit Letter H, Section 17, Township 17 South, Range 29 East**

**Eddy County, New Mexico**

**Incident Identification (ID) NAB1630550256**

**Approximate Release Location: 32.836131°, -104.090794°**

**Date Release Discovered: October 14, 2016**

**Volume Released: Approximately 18 barrels (bbls) of crude oil.**

**Release on Pad, inside tank battery berm.**



Thank you,

**Sam Chama, G.I.T.** | Sci. Geologist III

Mobile +1 (509) 768-2191 | Business +1 (512) 338-1667 | Fax +1 (512) 338-1331 | [sam.chama@tetrattech.com](mailto:sam.chama@tetrattech.com)

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File No. RA-13407



## NEW MEXICO OFFICE OF THE STATE ENGINEER

## WR-07 APPLICATION FOR PERMIT TO DRILL

## A WELL WITH NO WATER RIGHT

(check applicable box):

For fees, see State Engineer website: <http://www.ose.state.nm.us/>

Purpose:	<input type="checkbox"/> Pollution Control And/Or Recovery	<input type="checkbox"/> Ground Source Heat Pump
<input type="checkbox"/> Exploratory Well*(Pump test)	<input type="checkbox"/> Construction Site/Public Works Dewatering	<input checked="" type="checkbox"/> Other(Describe): Borehole
<input type="checkbox"/> Monitoring Well	<input type="checkbox"/> Mine Dewatering	

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.

\*New Mexico Environment Department Drinking Water Bureau (NMED-DWB) will be notified if a proposed exploratory well is used for public water supply.

<input checked="" type="checkbox"/> Temporary Request - Requested Start Date: 1/2/2024	Requested End Date: 1/2/2025
--	------------------------------

Plugging Plan of Operations Submitted? ☒ Yes ☐ No

## 1. APPLICANT(S)

Name: Tetra Tech on behalf of ConocoPhillips	Name:
Contact or Agent: check here if Agent <input type="checkbox"/>	Contact or Agent: check here if Agent <input type="checkbox"/>
Christian Llull	
Mailing Address: 8911 N Capital of Texas Hwy #2310	Mailing Address:
City: Austin	City:
State: Zip Code: Texas 78759	State: Zip Code:
Phone: 512-338-1667 <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell	Phone: <input type="checkbox"/> Home <input type="checkbox"/> Cell
Phone (Work):	Phone (Work):
E-mail (optional): Christian.Llull@tetratech.com	E-mail (optional):

JAN 03 2024 11:17

FOR OSE INTERNAL USE

Application for Permit, Form WR-07, Rev 07/12/22

File No.: RA-13407	Trm. No.: 754831	Receipt No.: 2-46490
Trans Description (optional): MON		
Sub-Basin: RA	PCW/LOG Due Date: 1-10-25	

Page 1 of 3

Page 42 of 125  
Received by OCD: 6/19/2024 2:10:52 PM  
Released to Imaging: 7/3/2024 1:50:46 PM

2. WELL(S) Describe the well(s) applicable to this application.

**Location Required:** Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84).  
District II (Roswell) and District VII (Cimarron) customers, provide a PLSS location in addition to above.

☐ NM State Plane (NAD83) (Feet)  
☐ NM West Zone  
☐ NM East Zone  
☐ NM Central Zone

☐ UTM (NAD83) (Meters)  
☐ Zone 12N  
☐ Zone 13N

☒ Lat/Long (WGS84) (to the nearest 1/10<sup>th</sup> of second)

Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (Quarters or Halves , Section, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
RA-13407 Pod1 Folk Federal #2_DTW	32.836223°	-104.090379°	Unit Letter H, Section 17, Township 17S, Range 29E

NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)  
Additional well descriptions are attached: ☐ Yes ☒ No If yes, how many \_\_\_\_\_  
Other description relating well to common landmarks, streets, or other: \_\_\_\_\_  
Well is on land owned by: BLM  
Well Information: NOTE: If more than one (1) well needs to be described, provide attachment. Attached? ☐ Yes ☒ No  
If yes, how many \_\_\_\_\_  
Approximate depth of well (feet): 105 Outside diameter of well casing (inches):  
Driller Name: John Scarborough Driller License Number: WD1188

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

OCD ON JAN 3 2024 AM 11:23

Drilling borehole to determine depth to groundwater.

The borehole will be installed on pad on land owned by the Bureau of Land Management, however, the facilities were formerly operated by Concho Operating Group are are now operated by Spur Energy Partners. The BLM has been contacted in order to coordinate approval for access and drilling the borehole. The correspondence giving approval for drilling operations is included with the application.

FOR OSE INTERNAL USE

Application for Permit, Form WR-07 Version 07/12/22

File No.: RA-13407

Trm No.: 754831

**4. SPECIFIC REQUIREMENTS:** The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

<b>Exploratory:</b> Is proposed well a future public water supply well? <input type="checkbox"/> Yes <input type="checkbox"/> NO If Yes, an application must be filed with NMED-DWB, concurrently. <input type="checkbox"/> Include a description of the requested pump test if applicable.	<b>Pollution Control and/or Recovery:</b> <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for the pollution control or recovery operation. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The annual diversion amount. <input type="checkbox"/> The annual consumptive use amount. <input type="checkbox"/> The maximum amount of water to be diverted and injected for the duration of the operation. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> The method of measurement of water produced and discharged. <input type="checkbox"/> The source of water to be injected. <input type="checkbox"/> The method of measurement of water injected. <input type="checkbox"/> The characteristics of the aquifer. <input type="checkbox"/> The method of determining the resulting annual consumptive use of water and depletion from any related stream system. <input type="checkbox"/> Proof of any permit required from the New Mexico Environment Department. <input type="checkbox"/> An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.	<b>Construction De-Watering:</b> <input type="checkbox"/> Include a description of the proposed dewatering operation. <input type="checkbox"/> The estimated duration of the operation. <input type="checkbox"/> The maximum amount of water to be diverted. <input type="checkbox"/> A description of the need for the dewatering operation, and, <input type="checkbox"/> A description of how the diverted water will be disposed of. <b>Ground Source Heat Pump:</b> <input type="checkbox"/> Include a description of the geothermal heat exchange project. <input type="checkbox"/> The number of boreholes for the completed project and required depths. <input type="checkbox"/> The time frame for constructing the geothermal heat exchange project, and, <input type="checkbox"/> The duration of the project. <input type="checkbox"/> Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.	<b>Mine De-Watering:</b> <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following <input type="checkbox"/> A description of the need for mine dewatering. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The source(s) of the water to be diverted. <input type="checkbox"/> The geohydrologic characteristics of the aquifer(s). <input type="checkbox"/> The maximum amount of water to be diverted per annum. <input type="checkbox"/> The maximum amount of water to be diverted for the duration of the operation. <input type="checkbox"/> The quality of the water. <input type="checkbox"/> The method of measurement of water diverted. <input type="checkbox"/> The recharge of water to the aquifer. <input type="checkbox"/> Description of the estimated area of hydrologic effect of the project. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. <input type="checkbox"/> A description of the methods employed to estimate effects on surface water rights and underground water rights. <input type="checkbox"/> Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.
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#### ACKNOWLEDGEMENT

I, We (name of applicant(s)), CHRISTIAN M. LLULL

Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.

Applicant Signature

Applicant Signature

#### ACTION OF THE STATE ENGINEER

This application is:

☒ approved

☐ partially approved

☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 10<sup>th</sup> day of January 20 24, for the State Engineer,

Mike A. Hamman, P.E. State Engineer

USE DIT JAN 3 2024 AM 11:23

By: K. Parekh  
Signature

Kashyap Parekh  
Print

Title: Water Resources Manager I  
Print

FOR OSE INTERNAL USE

Application for Permit, Form WR-07 Version 07/12/22

File No.: RA-13407

Trn No.: 754831

Page 3 of 3

NEW MEXICO STATE ENGINEER OFFICE  
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL

- 17-16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.
- 17-1A Depth of the well shall not exceed the thickness of the valley fill.
- 17-4 No water shall be appropriated and beneficially used under this permit.
- 17-6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging.

Trn Desc: RA 13407 POD1

File Number: RA 13407

Trn Number: 754831

NEW MEXICO STATE ENGINEER OFFICE  
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

- 17-7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- 17-B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
- 17-C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record.  
The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
- 17-P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.
- 17-Q The State Engineer retains jurisdiction over this permit.
- 17-R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.

Trn Desc: RA 13407 POD1

File Number: RA 13407

Trn Number: 754831

NEW MEXICO STATE ENGINEER OFFICE  
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

LOG      The Point of Diversion RA 13407 POD1 must be completed and the Well Log filed on or before 01/09/2025.

IT IS THE PERMITEE'S RESPONSIBILITY TO OBTAIN ALL AUTHORIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE COMMENCING ACTIVITIES UNDER THIS PERMIT.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd:	Date Rcvd. Corrected:
Formal Application Rcvd: 01/03/2024	Pub. of Notice Ordered:
Date Returned - Correction:	Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 10 day of Jan A.D., 2024

Mike A. Hamman, P.E. \_\_\_\_\_, State Engineer

By: K. Parekh  
KASHYAP PAREKH

Trn Desc: RA 13407 POD1

File Number: RA 13407  
Trn Number: 754831



# PLUGGING RECORD



**NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

## I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: RA-13407-POD1

Well owner: Tetra Tech on behalf of ConocoPhillips

Phone No.: 512-338-1667

Mailing address: 8911 N Capital of Texas Hwy #2310

City: Austin State: TX Zip code: 79759

## II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: John Scarborough Drilling Inc
- 2) New Mexico Well Driller License No.: WD-1188 Expiration Date: 03/31/2024
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Lane Scarborough
- 4) Date well plugging began: \_\_\_\_\_ Date well plugging concluded: \_\_\_\_\_
- 5) GPS Well Location: Latitude: 32 deg, 50 min, 10.86 sec  
Longitude: 104 deg, 5 min, 25.36 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 105 ft below ground level (bgl),  
by the following manner: Cement-bentonite slurry (max 5.2 gallons water per 94-lb sack of Type I/II Portland cement)
- 7) Static water level measured at initiation of plugging: UNK ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 01/10/2024
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

- For each interval plugged, describe within the following columns:**

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
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MULTIPLY		BY	AND OBTAIN
cubic feet	x	7.4805	= gallons
cubic yards	x	201.97	= gallons

I, Lane Scarborough, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Lane Scarborough  
Signature of Well Driller

Date \_\_\_\_\_

**Bratcher, Mike, EMNRD**

---

**From:** Bratcher, Mike, EMNRD  
**Sent:** Tuesday, March 14, 2017 9:23 AM  
**To:** 'Tavarez, Ike'; Weaver, Crystal, EMNRD; Tucker, Shelly (stucker@blm.gov)  
**Cc:** Robert McNeill; Rebecca Haskell; Robert Grubbs; Gonzales, Clair  
**Subject:** RE: COG Operating - Folk Federal Tank Battery - Eddy County, New Mexico - Deferment Report

RE: COG \* Folk Federal Tank Battery \* **2RP-3964** \* DOR: 10/14/16

Greetings,

At this time, your request for deferment is **not** approved. OCD does approve the proposal to remove 6" of impacted material in the affected area. For deferral consideration, OCD requests the removal of impacted material to the extent practicable, and delineation to the extent practicable. Please obtain samples after the excavation event, as practicable, for documentation. Microblaze application may then be applied and the site reconsidered for deferment.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, please contact me.

Mike Bratcher  
NMOCD District 2  
811 S. First St.  
Artesia NM 88210  
575-748-1283 Ext 108  
mike.bratcher@state.nm.us

---

**From:** Tavarez, Ike [mailto:Ike.Tavarez@tetrattech.com]  
**Sent:** Friday, March 10, 2017 2:18 PM  
**To:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Tucker, Shelly (stucker@blm.gov) <stucker@blm.gov>  
**Cc:** Robert McNeill <RMcNeill@concho.com>; Rebecca Haskell <RHaskell@concho.com>; Robert Grubbs <RGrubbs@concho.com>; Gonzales, Clair <Clair.Gonzales@tetrattech.com>  
**Subject:** COG Operating - Folk Federal Tank Battery - Eddy County, New Mexico - Deferment Report

All,

Here is the COG Operating Deferment Report for the Folk Federal Tank Battery located in Eddy County, New Mexico. Please review and contact me if you have any questions or comment on the deferment, thanks

**Ike Tavarez, PG** | Senior Project Manager

Main: 432.682.4559 | Fax: 432.682.3946 | Cell: 432.425.3878

[Ike.Tavarez@tetrattech.com](mailto:Ike.Tavarez@tetrattech.com)

Tetra Tech | Complex World, Clear Solutions™

4000 North Big Spring, Suite 401 | Midland, TX 79705 | [www.tetrattech.com](http://www.tetrattech.com)

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**Bratcher, Mike, EMNRD**

---

**From:** Bratcher, Mike, EMNRD  
**Sent:** Monday, October 16, 2017 9:00 AM  
**To:** Gonzales, Clair; Tucker, Shelly  
**Cc:** Tavaréz, Ike; Rebecca Haskell; Dakota Neel; Robert McNeill; Weaver, Crystal, EMNRD  
**Subject:** RE: COG - Folk Federal Tank Battery - 2RP-3964 - Deferment Report

RE: COG \* Folk Federal Tank Battery \* 2RP-3964 \* DOR: 10/14/16

Greetings,

After a review of the proposal to defer the above referenced release, based on analytical data and potential relatively shallow depth to ground water, OCD requests a boring be installed, as close to the impacted area as possible, to determine actual depth to ground water at this site. Water quality and a determination of impact may be required. Please advise once this activity has been scheduled.

If you have any questions or concerns, please contact me.

Mike Bratcher  
NMOCD District 2  
811 South First Street  
Artesia, NM 88210  
575-748-1283 Ext 108

---

**From:** Gonzales, Clair [mailto:Clair.Gonzales@tetrattech.com]  
**Sent:** Monday, July 10, 2017 8:22 AM  
**To:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Tucker, Shelly <stucker@blm.gov>  
**Cc:** Tavaréz, Ike <Ike.Tavaréz@tetrattech.com>; Rebecca Haskell <RHaskell@concho.com>; Dakota Neel <DNeel2@concho.com>; Robert McNeill <RMcNeill@concho.com>  
**Subject:** COG - Folk Federal Tank Battery - 2RP-3964 - Deferment Report

*Good Morning,*

*Attached is the Deferment Report for the above mentioned site in Eddy County, New Mexico. Please review and let me know if you have any questions or concerns.*

*Thank you,*

**Clair Gonzales**

Clair Gonzales | Geologist III  
Phone: 432.687.8123 | Mobile 432.260.8634 | Fax: 432.682.3946  
[clair.gonzales@tetrattech.com](mailto:clair.gonzales@tetrattech.com)

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**Poole, Nicholas**

---

**From:** OCDOnline@state.nm.us  
**Sent:** Monday, April 1, 2024 4:44 PM  
**To:** Llull, Christian  
**Subject:** The Oil Conservation Division (OCD) has approved the application, Application ID: 326431

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

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

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAB1630550256, with the following conditions:

- **Remediation work plan approved.** If pressurized lines are found within the excavated areas, based and wall samples will need to be collected from the 4-ft buffer zones. If contamination is found within the 4-ft buffer zones, it will need to be removed utilizing hand shovels or a hydrovac.
- **Submit a complete report through the OCD Permitting website by July 31, 2024.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,  
Brittany Hall  
Projects Environmental Specialist - A  
505-517-5333  
Brittany.Hall@emnrd.nm.gov

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

**Poole, Nicholas**

---

**From:** Taylor, Shelly J <sjtaylor@blm.gov>  
**Sent:** Tuesday, April 9, 2024 1:55 PM  
**To:** Llull, Christian  
**Cc:** Chama, Sam  
**Subject:** Re: [EXTERNAL] Folk Federal Tank Battery (FOLK FEDERAL #002) - Work Plan

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

BLM grants approval to begin remediation activities.

Respectfully,

*Shelly J Taylor*

Assistant Field Manager  
Lands & Minerals - Acting

Bureau of Land Management  
Pecos District/Roswell Field Office  
2909 W 2<sup>nd</sup> St  
Roswell, NM 88201

Direct 575.627.0250  
Mobile 575.200.0614  
[sjtaylor@blm.gov](mailto:sjtaylor@blm.gov)



---

**From:** Llull, Christian <Christian.Llull@tetrattech.com>  
**Sent:** Tuesday, April 9, 2024 12:50 PM  
**To:** Taylor, Shelly J <sjtaylor@blm.gov>  
**Cc:** Chama, Sam <SAM.CHAMA@tetrattech.com>  
**Subject:** [EXTERNAL] Folk Federal Tank Battery (FOLK FEDERAL #002) - Work Plan

**This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.**

Shelly:

The Folk Federal Tank Battery (Folk Federal #002) Release is located in Eddy County, NM. This incident is within the ACO list, as a COG legacy release. On-pad, inside battery release.

However, the facility is now operated by Spur Energy. Based on previous correspondence, at legacy sites with impacts generated by COG where the asset/property was sold, the environmental liability for the historical release remains the responsibility of COG/COP.

This WP has been approved by NMOCD. Approval attached.

Requesting approval in kind from BLM.

**Folk Federal Tank Battery (FOLK FEDERAL #002)**

**Eddy County, NM**

**INCIDENT ID NAB1630550256**

**DOR 10/14/2016**

**Landowner: BLM**

**GPS: 32.8361122°, -104.090549°**

**AoC 7358**

**Background**

- According to the initial C-141, the release consisted of approximately 18 bbls of oil of which 16 bbls of oil were recovered. COG removed the impacted surface gravel to an approximate depth of 6 inches.
- Tetra Tech prepared a Deferment Report, dated March 9, 2017, with the following request:
  - *Due to the access issues and limited hydrocarbon impact, COG proposes to defer spill area until abandonment.*
  - *However, COG will hand dig the top six inches (6") of the release area to remove the heavily impacted soils.*
- Mike Bratcher of the NMOCD rejected the deferment request and the proposed removal of 6 inches of impacted material in the affected area via email on March 14, 2017 with the following comments:
  - *At this time, your request for deferment is not approved. OCD does approve the proposal to remove 6" of impacted material in the affected area.*
  - *For deferral consideration, OCD requests the removal of impacted material to the extent practicable, and delineation to the extent practicable.*
  - *Please obtain samples after the excavation event, as practicable, for documentation.*
  - *Microblaze application may then be applied and the site reconsidered for deferment.*
- Tetra Tech returned to the site on June 7, 2017 and conducted soil sampling in the spill area.
- Tetra Tech submitted a Revised Deferment Report, dated June 26, 2017, and proposed the following:
  - *COG will treating the area with a Micro-Blaze product to remediate and naturally attenuate the hydrocarbon impact at the site.*
  - *COG request the impact or release be deferred until abandonment.*
- Mike Bratcher provided a response via email on October 16, 2017.
  - It was requested that a boring be installed as close to the impacted areas as possible to determine depth to groundwater.
- Tetra Tech returned to the site on December 20, 2017 to supervised the installation of one borehole (BH-1) to attain vertical delineation of the release area.
  - Due to access, the borehole was installed between SP-1 and SP-2. Lab analytical on select samples indicated no impact of soils
- A Second Revised Deferment Report (ADDENDUM) was submitted to the NMOCD on September 27, 2023.

- Brittany Hall of the NMOCD rejected the request via the NMOCD portal on September 28, 2023. Comments on the rejection included:
  - Incorrect operator OGRID on the submission.
  - Depth to groundwater not established adequately.
  - Lack of delineation in order to grant deferral.

#### **Assessment & DTW**

- Five (5) borings (HA-1 through HA-5) were installed to a depth of 1 foot BGS to horizontally delineate the release.
  - Analytical results associated with horizontal delineation samples were below reclamation requirements.
- Additionally, one (1) trench (T-1) was excavated to a depth of approximately 2.25 feet bgs to vertically delineate the release (maximum depth feasible with a mini-excavator). At that depth, rock refusal was encountered.
  - Soil samples were gathered every ½-foot.
    - Analytical lab results associated with samples taken from the T-1 location indicate exceedance of TPH RRALs down to 2 feet bgs.
    - The analytical lab results associated with the soil sample gathered from 2 to 2.25 feet bgs indicated TPH values below Site RRALs.
- A depth to water boring was drilled to 105 feet on February 5, 2024.
  - A temporary well was installed to measure depth to groundwater at the site.
  - At the time of drilling and installment of the temp well, no groundwater was observed within the borehole.
  - The well was plugged on February 15, 2024. No groundwater was observed within the temporary well at the time of the plugging.

#### **Discussion with Spur and Work Plan**

- Discussions with Spur regarding this facility have been ongoing, but at this time Spur has communicated to use that the Folk Federal Battery will be deconstructed as early as March 23.
  - Production has been routed to other facilities and Spur has no intention of rebuilding the battery.
  - With confirmation of a planned deconstruction, a Work Plan has been developed (with no deferral) for submittal to the NMOCD.
  - No letter on behalf of Spur regarding the facilities and release responsibility will be needed.
- Summary of the recent work in response to NMOCD rejection:
  - Horizontal and vertical delineation have been achieved with the sampling conducted in December 2023.
  - A depth-to-water boring was permitted, installed and subsequently plugged.
    - Groundwater was not observed within the boring, to a depth of 105 feet bgs.
    - DTW established as greater than 105 ft bgs
- **Remediation Work Plan**
  - Impacted soils are proposed to be excavated to a maximum of 2 feet bgs.
  - 226 cy of material to be excavated, from 3,049 sq ft in area.
  - A total of twelve (12) confirmation samples are proposed, eight (8) confirmation floor samples and four (4) confirmation sidewall samples.
  - Excavated area will be backfilled with clean soils.

- Any areas in pasture that were remediated will be seeded.

Let me know what you think.

**Christian Llull, P.G.** | Program Manager  
Mobile +1 (512) 565-0190 | [christian.llull@tetrattech.com](mailto:christian.llull@tetrattech.com)

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

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**Poole, Nicholas**

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**From:** OCDOnline@state.nm.us  
**Sent:** Tuesday, May 21, 2024 2:40 PM  
**To:** Llull, Christian  
**Subject:** The Oil Conservation Division (OCD) has accepted the application, Application ID: 346414

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAB1630550256.

The sampling event is expected to take place:

**When:** 05/15/2024 @ 08:00

**Where:** H-17-17S-29E 1980 FNL 660 FEL (32.8364601,-104.0905609)

**Additional Information:** Contact Nicholas Poole at Mobile +1 (512) 560-9064

**Additional Instructions:** NA

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.

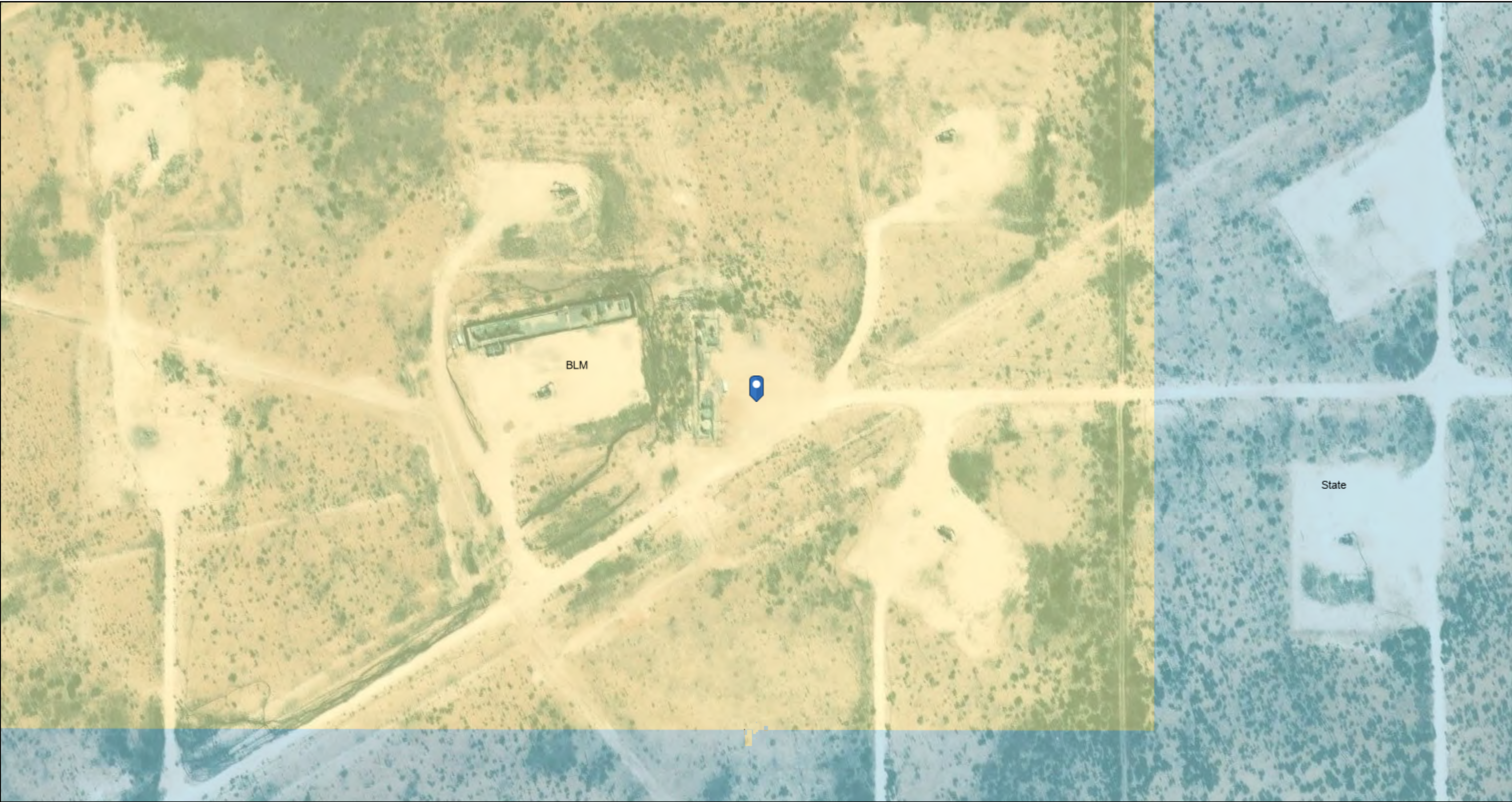
**New Mexico Energy, Minerals and Natural Resources Department**

1220 South St. Francis Drive  
Santa Fe, NM 87505

## **APPENDIX C**

### **Site Characterization Data**

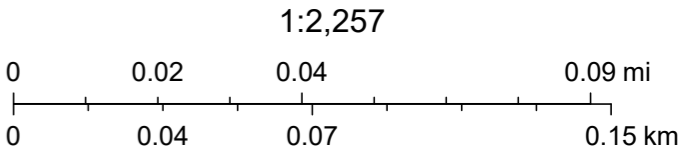
# OCD Land Ownership



3/12/2024, 10:40:16 AM

Land Ownership

- BLM
- S



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



# 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="#">RA 11807 POD1</a>	RA	ED		1	2	3	22	17S	29E	587360	3631585	2958	131	76	55

Average Depth to Water: 76 feet

Minimum Depth: 76 feet

Maximum Depth: 76 feet

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 585092.38

Northing (Y): 3633486.76

Radius: 3200

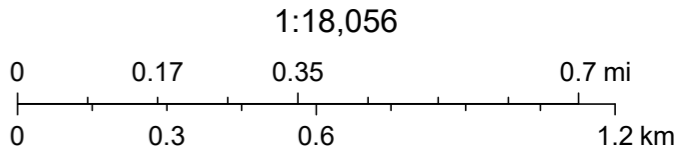
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

# OCD - USGS Groundwater Wells



12/4/2023, 1:02:01 PM

- ▲ USGS Historical GW Wells
- OSE Streams



USGS, Esri, HERE, Garmin, IPC, Maxar, NM OSE

212C-MD-03291		<b>TETRA TECH</b>		<b>LOG OF BORING Folk Federal #002 DTW</b>				Page 1 of 1	
Project Name: Folk Federal #002									
Borehole Location:		GPS Coordinates: 32.836350°, -104.090378°			Surface Elevation: 3604'				
Borehole Number: <b>Folk Federal #002 DTW</b>				Borehole Diameter (in.): 8"		Date Started:		Date Finished: 2/5/2024	

DEPTH (ft)	OPERATION TYPES	SAMPLE	CHLORIDE CONCENTRATION (ppm) ExStik	VOC CONCENTRATION (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS		DEPTH (ft)	WELL DIAGRAM
												While Drilling	24 Hours After Completion of Drilling		
												While Drilling <u>▽ DRY</u> 24 Hours After Completion of Drilling <u>▽ DRY</u>			
												Remarks:			
												MATERIAL DESCRIPTION			
5												-SP- SAND: Light brown, loose, dry, fine-grained, with caliche fragments	2		
10												-SP- SAND: Light brown, loose, dry, fine-grained, with small caliche fragments	6		
15												-SM- SAND: Light reddish brown, very loose, dry, fine-grained, trace caliche fragments	9		
20												-SM- SAND: Light reddish brown, very loose, dry, fine-grained, with gravel-size caliche fragments	14		
25												-SM- SAND: Brown to reddish brown, weakly cemented, very fine- to fine-grained, trace caliche fragments	19		
30												-SC- CLAYEY SAND: Reddish brown, medium dense, dry, fine-grained, moderately cemented	25		
35												-SM- SAND: Pale reddish brown, weakly cemented, dry, very fine- to fine-grained, with caliche fragments	30		
40												-SP- SAND: Light reddish brown, well indurated, strongly cemented, dry, fine-grained	39		
45												-SP- SAND: Pale brown, loose, dry, fine- to coarse-grained, trace gravel	49		
50												-SP- SAND AND GRAVEL: Pale gray to pale brown, dry, fine- to coarse-grained sand	59		
55												-- GYPSUM: Pale gray, dry, massive, microcrystalline			
60												-- GYPSUM: White, dry, massive, microcrystalline			
65															
70															
75															
80															
85															
90															
95															
100															
105															

Bottom of borehole at 105.0 feet.

<b>Sampler Types:</b> Split Spoon Shelby Bulk Sample Grab Sample Acetate Liner Vane Shear California Test Pit	<b>Operation Types:</b> Auger Hollow Stem Auger Continuous Flight Auger Mud Rotary Air Rotary Direct Push Drive Casing	<b>Notes:</b> Surface elevation is an approximate value obtained from Google Earth data.
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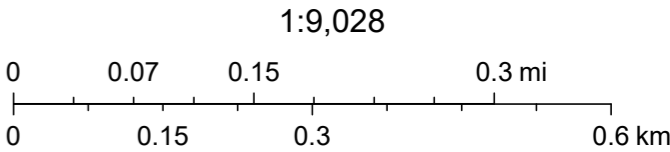
Logger: Colton Bickerstaff	Drilling Equipment: Air Rotary	Driller: Scarborough Drilling
----------------------------	--------------------------------	-------------------------------

# OCD Waterbodies

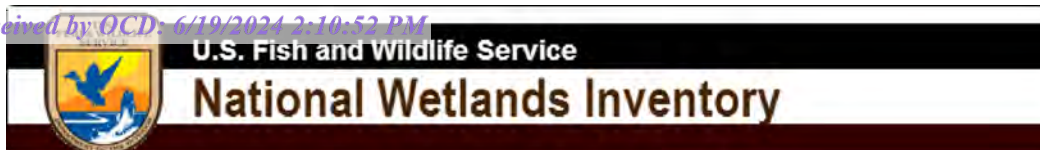


3/12/2024, 10:41:49 AM

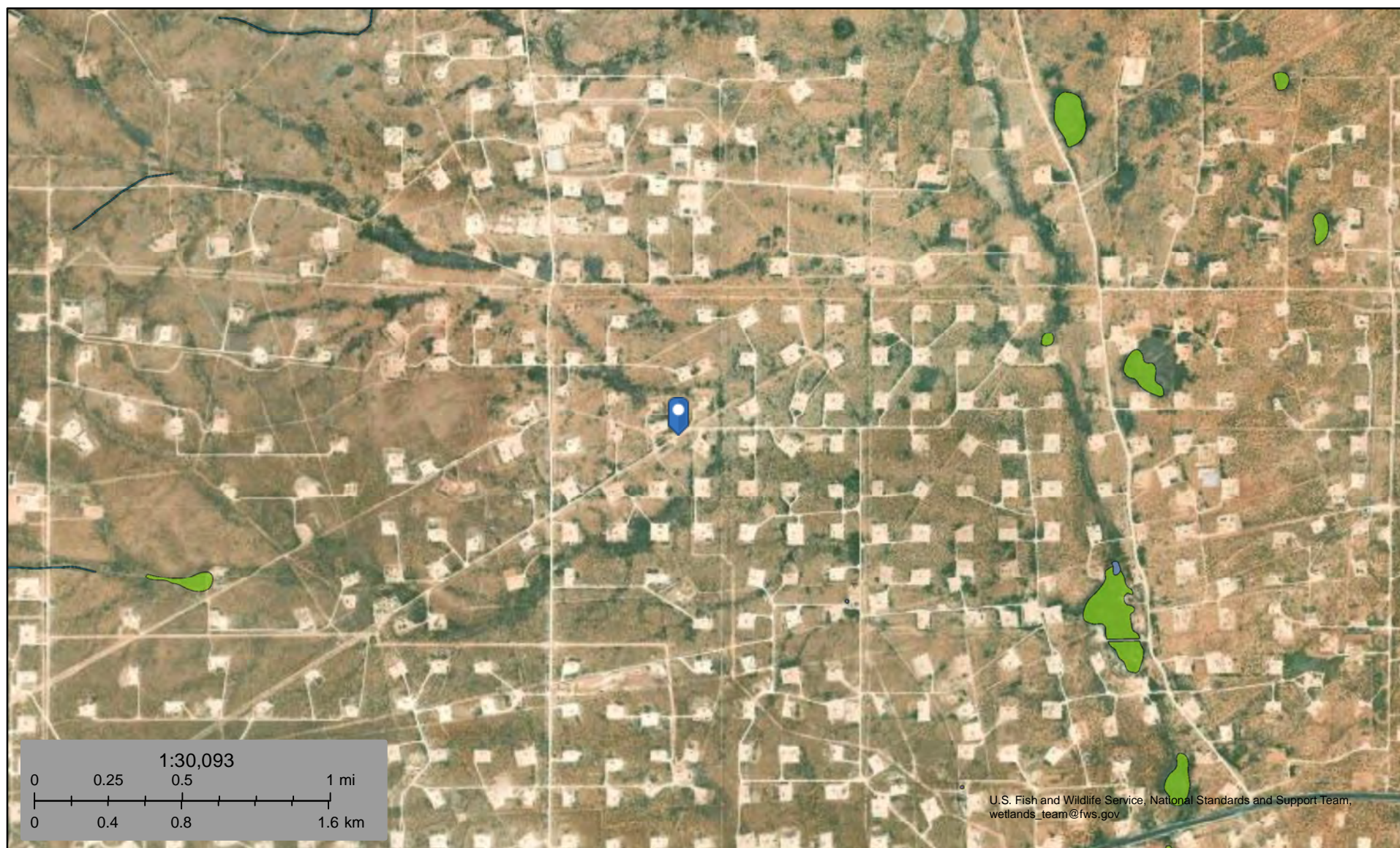
— OSE Streams



Esri, HERE, Garmin, IPC, Maxar, NM OSE



## National Wetland Inventory Map



March 12, 2024

**Wetlands**

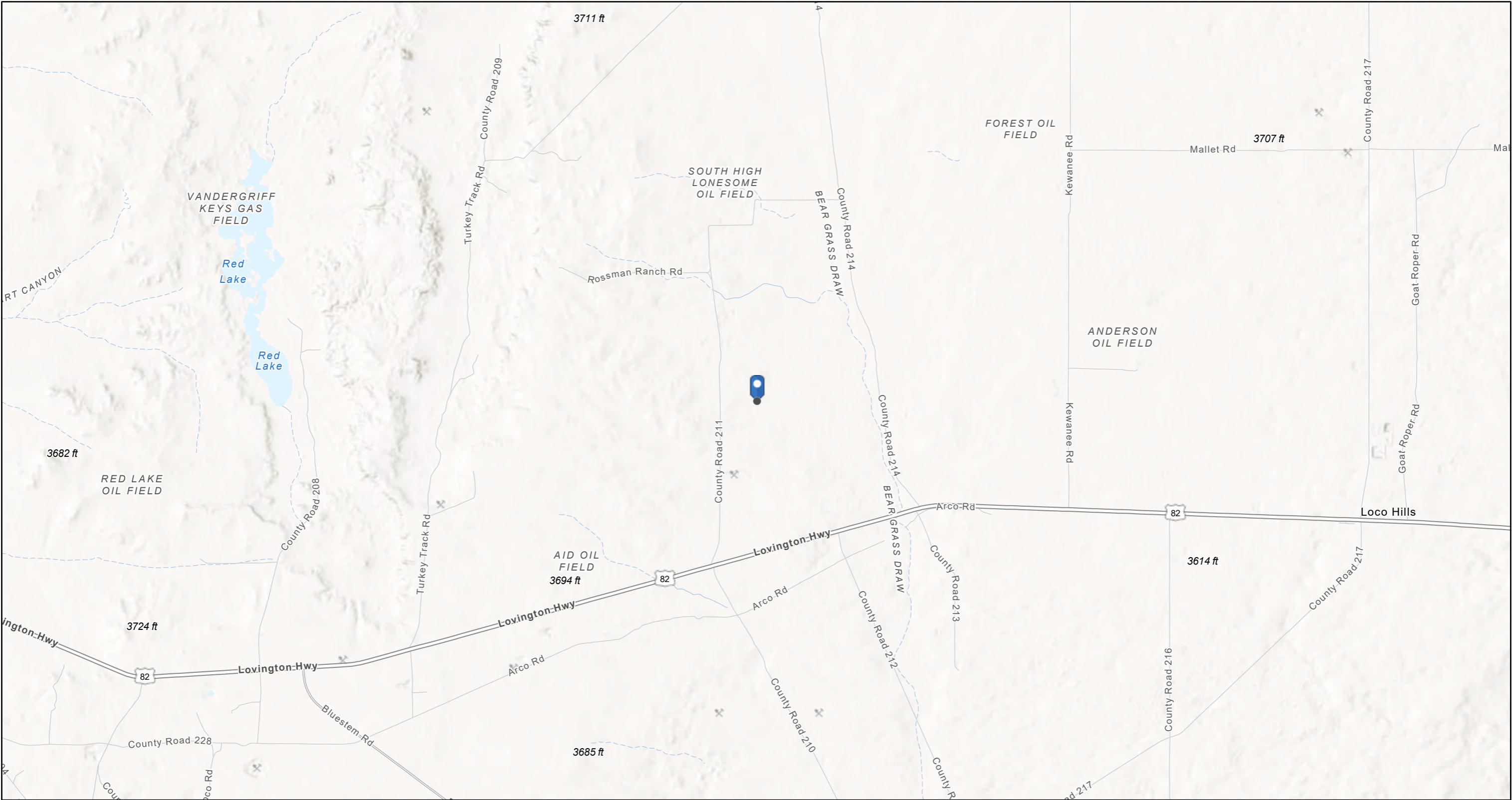
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

# Active Mines in New Mexico

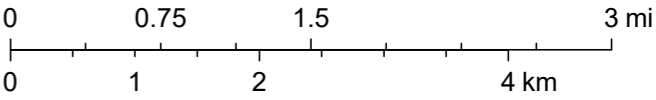


3/12/2024, 10:50:19 AM

Registered Mines

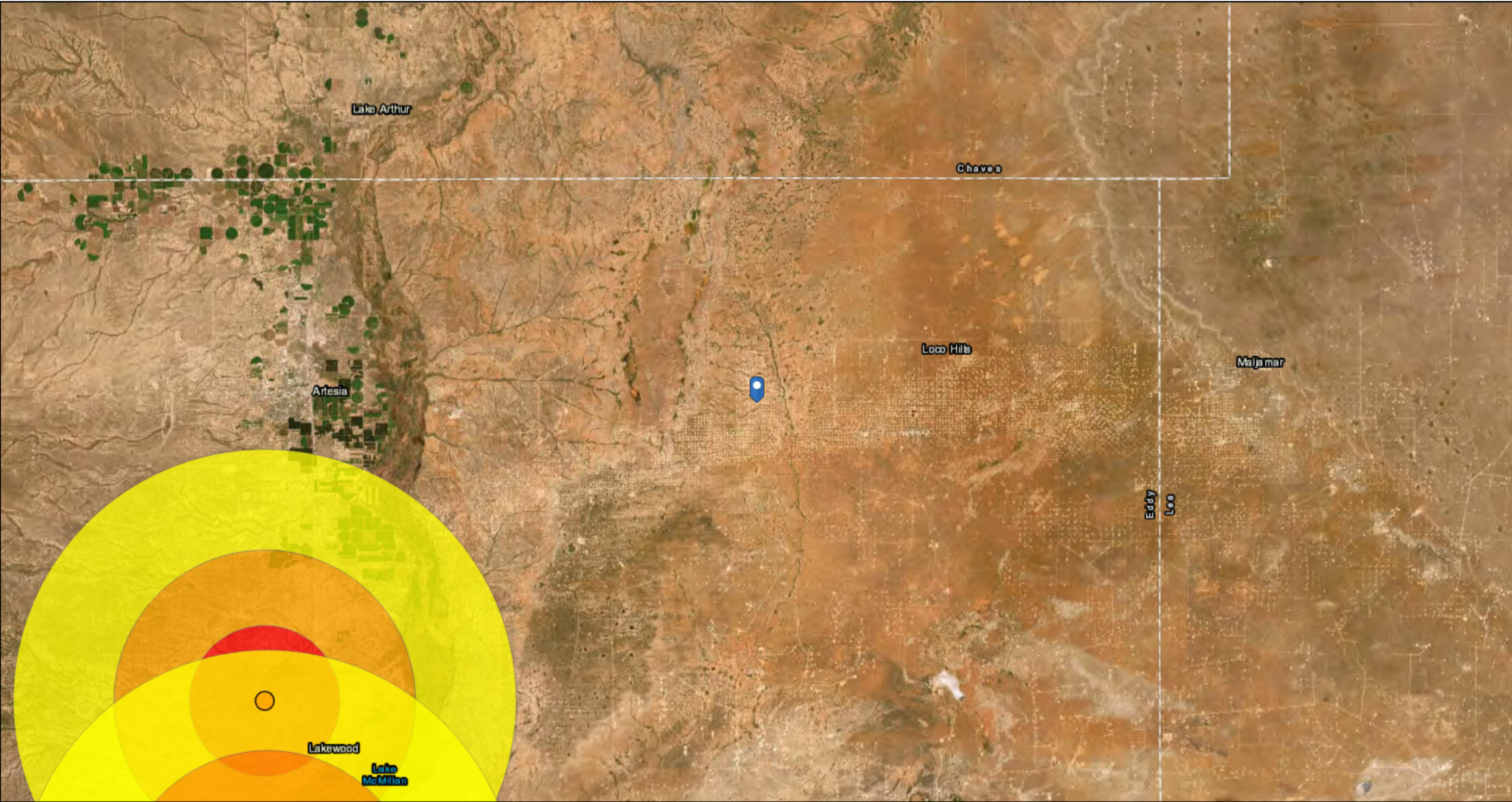
- ✕ Aggregate, Stone etc.
- ✕ Aggregate, Stone etc.
- ✕ Aggregate, Stone etc.

1:72,224



Texas Parks & Wildlife, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS, Esri, NASA, NGA, USGS, FEMA

# OCD Seismicity



3/12/2024, 10:43:59 AM

1:288,895

Seismic Response 2.5 to 2.9

Seismic Response 3.0 to 3.4

M2.5+ Earthquakes (2021+)

6 mi.

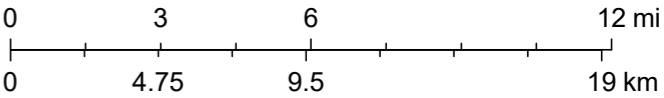
10 mi.

3 mi.

6 mi.

10 mi.

3.0 - 3.4



Oil Conservation Division (OCD), Energy, Minerals and Natural Resources Department (EMNRD), Esri, HERE, Garmin, Earthstar Geographics

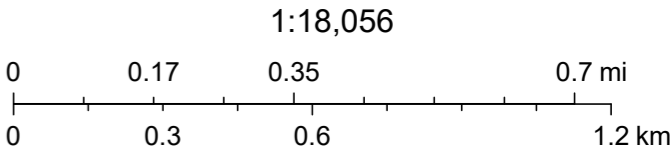
# OCD Karst Occurrence Potential



3/12/2024, 10:45:00 AM

Karst Occurrence Potential

- High
- Medium
- Low

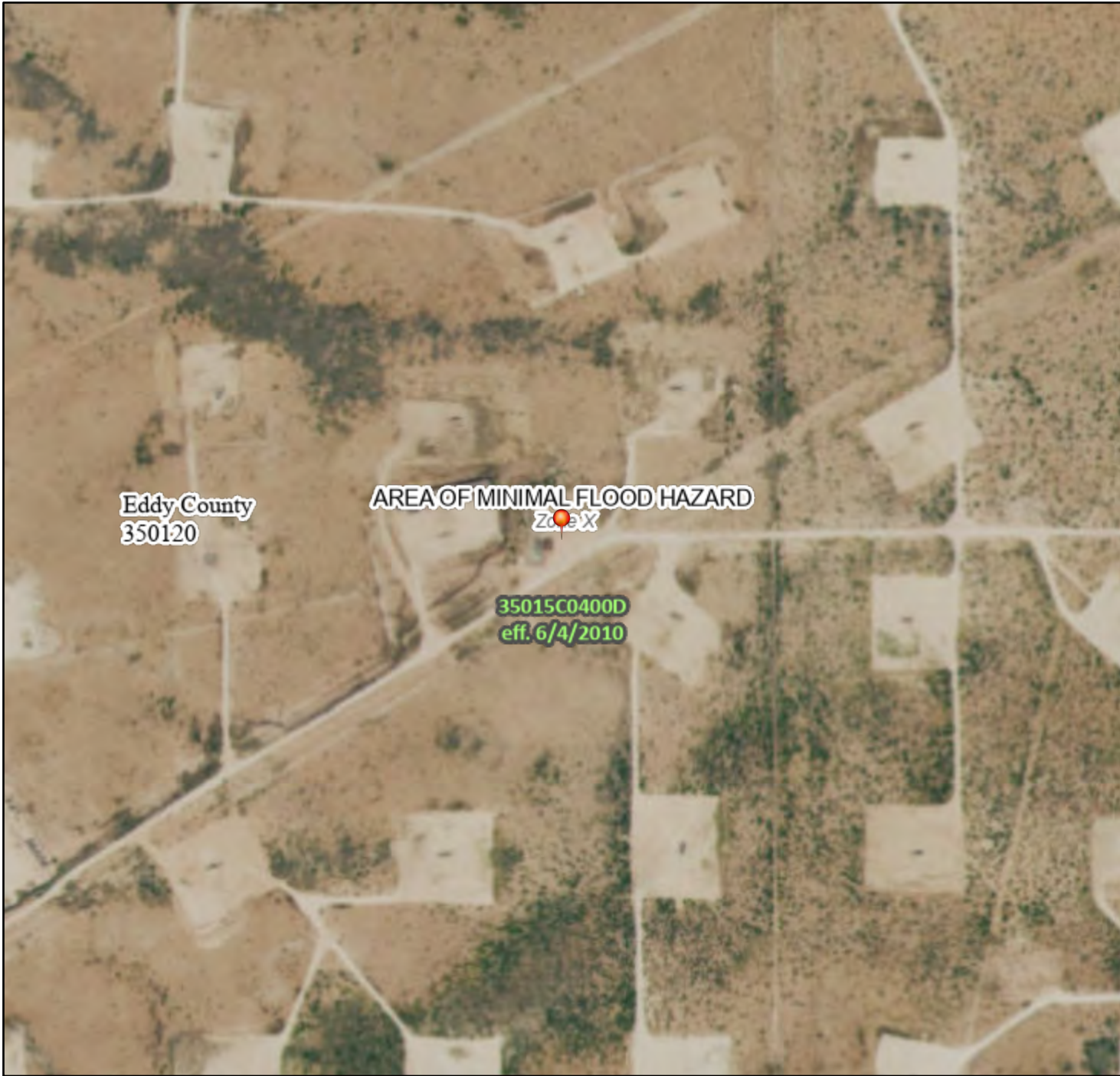


BLM, OCD, New Mexico Tech, Esri, HERE, Garmin, iPC, Maxar

# National Flood Hazard Layer FIRMette



104°5'45"W 32°50'25"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

104°5'7"W 32°49'55"N

Released to Imaging: 7/3/2024 1:30:46 PM

Basemap Imagery Source: USGS National Map 2023

## 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
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/12/2024 at 11:46 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.

## **APPENDIX D**

# **Photographic Documentation**



TETRA TECH, INC. PROJECT NO. 212C-MD-03291	DESCRIPTION	Site Signage. Folk Federal #2 and location information.	1
	SITE NAME	Folk Federal #002 Release	9/8/2022



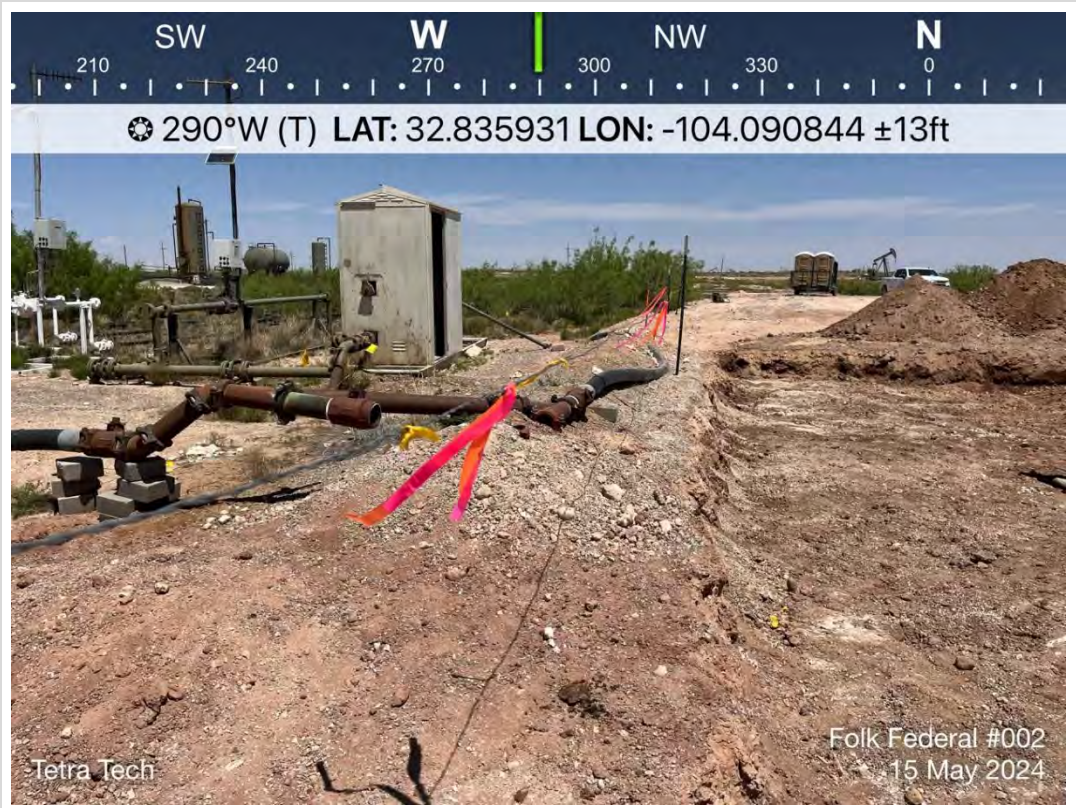
TETRA TECH, INC. PROJECT NO. 212C-MD-03291	DESCRIPTION	View South. Prior to remediation and reclamation.	2
	SITE NAME	Folk Federal #002 Release	9/8/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-03291	DESCRIPTION	View west northwest. Prior to remediation and reclamation.	3
	SITE NAME	Folk Federal #002 Release	9/8/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-03291	DESCRIPTION	View north. Prior to remediation and reclamation.	4
	SITE NAME	Folk Federal #002 Release	9/8/2022



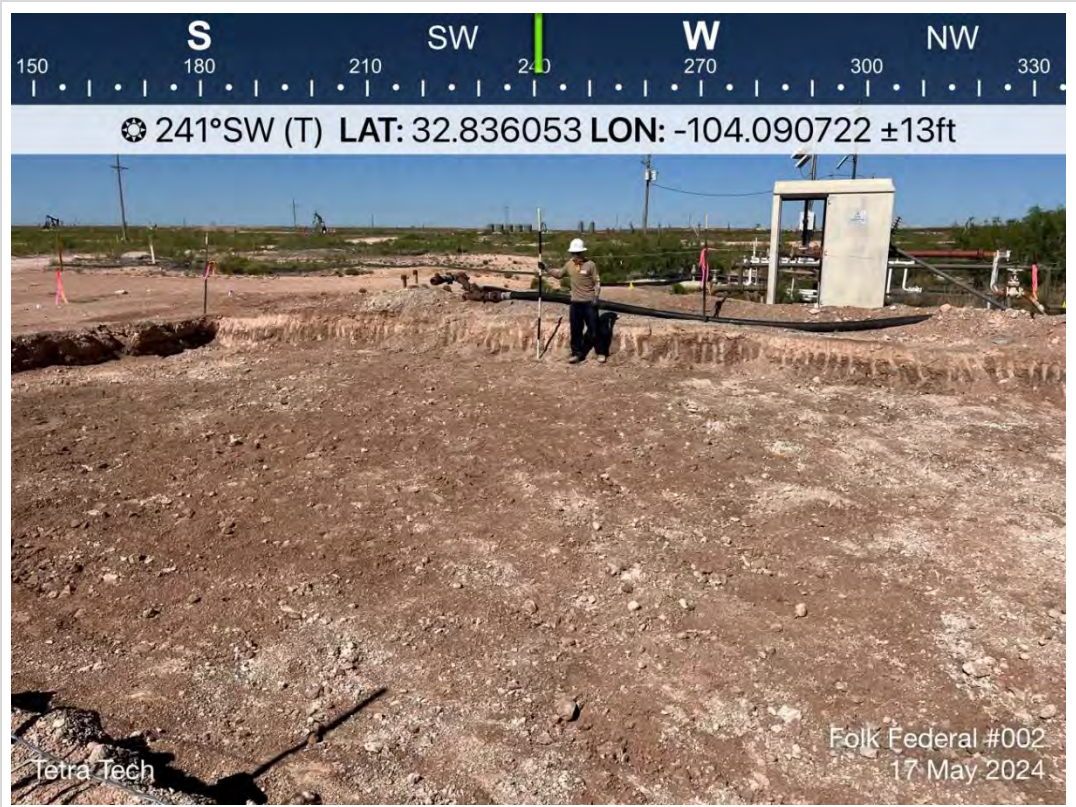
TETRA TECH, INC. PROJECT NO. 212C-MD-03291	DESCRIPTION	View west northwest. 2-foot excavated area.	5
	SITE NAME	Folk Federal #002 Release	9/8/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-03291	DESCRIPTION	View northwest. 2-foot excavated area.	6
	SITE NAME	Folk Federal #002 Release	9/8/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-03291	DESCRIPTION	View west southwest. 2-foot excavated area.	7
	SITE NAME	Folk Federal #002 Release	9/8/2022



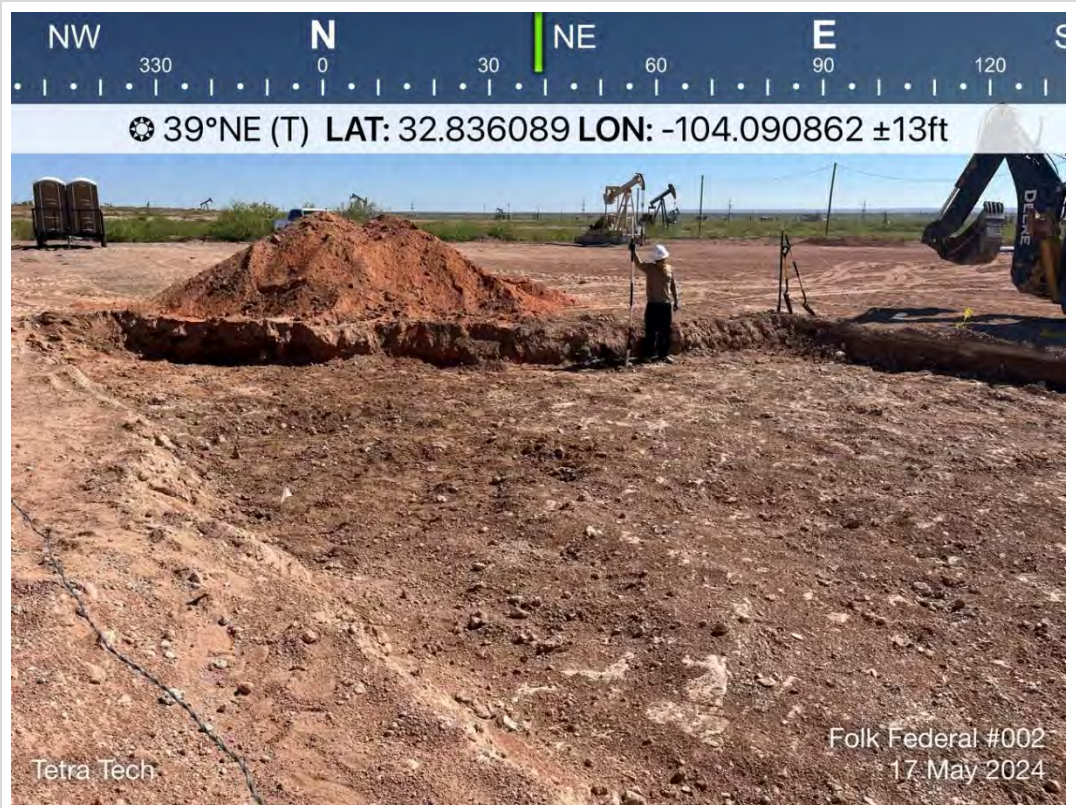
TETRA TECH, INC. PROJECT NO. 212C-MD-03291	DESCRIPTION	View west southwest. 2-foot excavated area.	8
	SITE NAME	Folk Federal #002 Release	9/8/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-03291	DESCRIPTION	View east northeast. 2-foot excavated area.	9
	SITE NAME	Folk Federal #002 Release	9/8/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-03291	DESCRIPTION	View east northeast. 2-foot excavated area.	10
	SITE NAME	Folk Federal #002 Release	9/8/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-03291	DESCRIPTION	View northeast. 2-foot excavated area.	11
	SITE NAME	Folk Federal #002 Release	9/8/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-03291	DESCRIPTION	View north. 2-foot excavated area.	12
	SITE NAME	Folk Federal #002 Release	9/8/2022



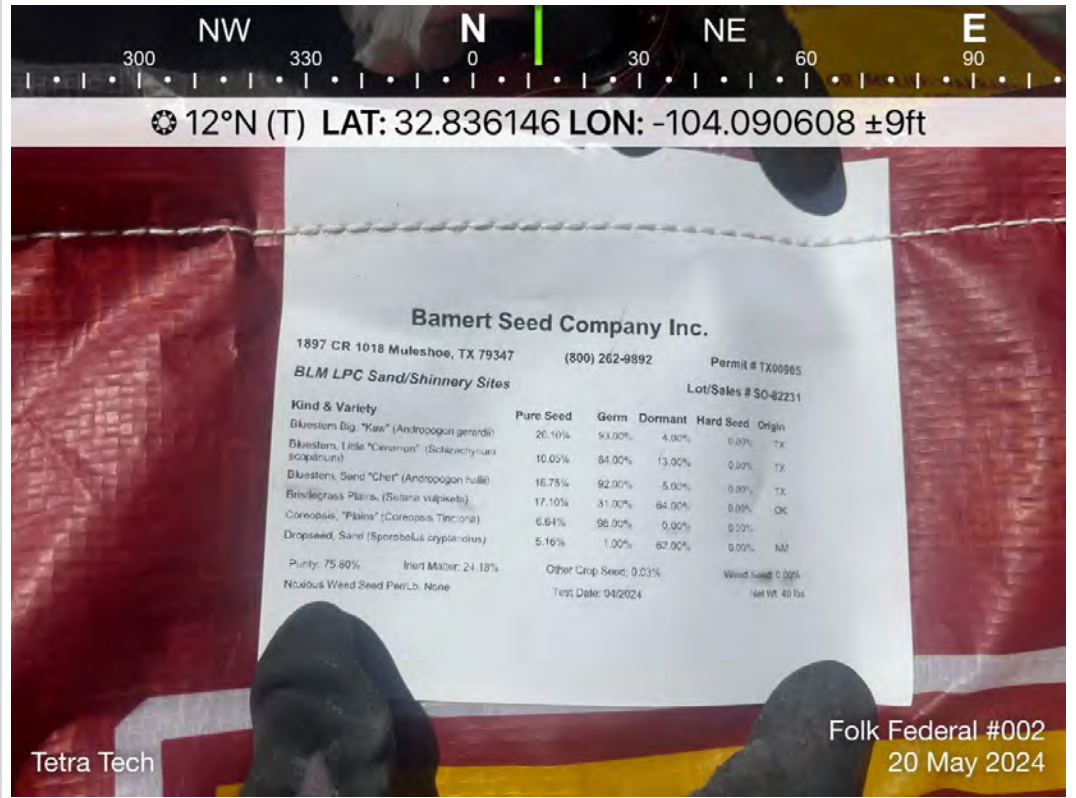
TETRA TECH, INC. PROJECT NO. 212C-MD-03291	DESCRIPTION	View north northeast. Backfilled and seeded area.	13
	SITE NAME	Folk Federal #002 Release	9/8/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-03291	DESCRIPTION	View northwest. Backfilled and seeded area.	14
	SITE NAME	Folk Federal #002 Release	9/8/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-03291	DESCRIPTION	View northwest. Backfilled and seeded area.	15
	SITE NAME	Folk Federal #002 Release	9/8/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-03291	DESCRIPTION	BLM LPC Sand/Shinnery Sites seed mixture.	16
	SITE NAME	Folk Federal #002 Release	9/8/2022

## **APPENDIX E**

### **Waste Manifests**



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: IKE TAVAREZ  
AFE #:  
PO #:  
Manifest #: 01  
Manif. Date: 5/15/2024  
Hauler: MCNABB PARTNERS  
Driver: ALBARO  
Truck #: M35  
Card #  
Job Ref #

Ticket #: 700-1565656  
Bid #: O6UJ9A000JEC  
Date: 5/15/2024  
Generator: CONOCOPHILLIPS  
Generator #: 40946  
Well Ser. #: 20198E  
Well Name: FOLK FEDERAL  
Well #: 002  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

14.00 yards

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste  
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):  
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

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



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: IKE TAVAREZ  
AFE #:  
PO #:  
Manifest #: 02  
Manif. Date: 5/15/2024  
Hauler: MCNABB PARTNERS  
Driver: ALBARO  
Truck #: M35  
Card #  
Job Ref #

Ticket #: 700-1565729  
Bid #: O6UJ9A000JEC  
Date: 5/15/2024  
Generator: CONOCOPHILLIPS  
Generator #: 40946  
Well Ser. #: 20198E  
Well Name: FOLK FEDERAL  
Well #: 002  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

14.00 yards

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste  
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):  
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

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



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: IKE TAVAREZ  
AFE #:  
PO #:  
Manifest #: 3  
Manif. Date: 5/15/2024  
Hauler: MCNABB PARTNERS  
Driver: ALBARO  
Truck #: M35  
Card #  
Job Ref #

Ticket #: 700-1565798  
Bid #: O6UJ9A000JEC  
Date: 5/15/2024  
Generator: CONOCOPHILLIPS  
Generator #: 40946  
Well Ser. #: 20198E  
Well Name: FOLK FEDERAL  
Well #: 002  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	14.00 yards

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste  
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):  
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

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



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: IKE TAVAREZ  
AFE #:  
PO #:  
Manifest #: 04  
Manif. Date: 5/16/2024  
Hauler: MCNABB PARTNERS LLC  
Driver: JOSH  
Truck #: M87  
Card #  
Job Ref #

Ticket #: 700-1566134  
Bid #: O6UJ9A000JEC  
Date: 5/16/2024  
Generator: CONOCOPHILLIPS  
Generator #: 40946  
Well Ser. #: 20198E  
Well Name: FOLK FEDERAL  
Well #: 002  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste  
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):  
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

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



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: IKE TAVAREZ  
AFE #:  
PO #:  
Manifest #: 05  
Manif. Date: 5/16/2024  
Hauler: MCNABB PARTNERS  
Driver: VICTORIA  
Truck #: M35  
Card #  
Job Ref #

Ticket #: 700-1566126  
Bid #: O6UJ9A000JEC  
Date: 5/16/2024  
Generator: CONOCOPHILLIPS  
Generator #: 40946  
Well Ser. #: 20198E  
Well Name: FOLK FEDERAL  
Well #: 002  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

16.00 yards

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste  
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):  
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

A handwritten signature in black ink, appearing to be "UH", written over a horizontal line.

A handwritten signature in black ink, appearing to be "GPH", written over a horizontal line.

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

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



Permian Basin

Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: IKE TAVAREZ  
 AFE #:  
 PO #:  
 Manifest #: 06  
 Manif. Date: 5/16/2024  
 Hauler: ANDREWS TRUCKING  
 Driver: ANDREW  
 Truck #: M32  
 Card #  
 Job Ref #

Ticket #: 700-1566125  
 Bid #: O6UJ9A000JEC  
 Date: 5/16/2024  
 Generator: CONOCOPHILLIPS  
 Generator #: 40946  
 Well Ser. #: 20198E  
 Well Name: FOLK FEDERAL  
 Well #: 002  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County: EDDY (NM)

Facility: CRI

**Product / Service****Quantity Units**

Contaminated Soil (RCRA Exempt)

16.00 yards

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste  
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):  
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

**Driver/ Agent Signature****R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

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



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: IKE TAVAREZ  
AFE #:  
PO #:  
Manifest #: 07  
Manif. Date: 5/16/2024  
Hauler: MCNABB PARTNERS  
Driver: ANDREW  
Truck #: M32  
Card #  
Job Ref #

Ticket #: 700-1566178  
Bid #: O6UJ9A000JEC  
Date: 5/16/2024  
Generator: CONOCOPHILLIPS  
Generator #: 40946  
Well Ser. #: 20198E  
Well Name: FOLK FEDERAL  
Well #: 002  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

16.00 yards

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste  
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):  
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

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



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: IKE TAVAREZ  
AFE #:  
PO #:  
Manifest #: 08  
Manif. Date: 5/16/2024  
Hauler: MCNABB PARTNERS  
Driver: VICTORIA  
Truck #: M35  
Card #  
Job Ref #

Ticket #: 700-1566182  
Bid #: O6UJ9A000JEC  
Date: 5/16/2024  
Generator: CONOCOPHILLIPS  
Generator #: 40946  
Well Ser. #: 20198E  
Well Name: FOLK FEDERAL  
Well #: 002  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

**Product / Service****Quantity Units**

Contaminated Soil (RCRA Exempt)

14.00 yards

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste  
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):  
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

**Driver/ Agent Signature****R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

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



Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: IKE TAVAREZ  
AFE #:  
PO #:  
Manifest #: 9  
Manif. Date: 5/16/2024  
Hauler: MCNABB PARTNERS  
Driver: ANDREW  
Truck #: M87  
Card #  
Job Ref #

Ticket #: 700-1566193  
Bid #: O6UJ9A000JEC  
Date: 5/16/2024  
Generator: CONOCOPHILLIPS  
Generator #: 40946  
Well Ser. #: 20198E  
Well Name: FOLK FEDERAL  
Well #: 002  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste  
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):  
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

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



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: IKE TAVAREZ  
AFE #:  
PO #:  
Manifest #: 10  
Manif. Date: 5/16/2024  
Hauler: MCNABB PARTNERS  
Driver: ANDREW  
Truck #: M32  
Card #  
Job Ref #

Ticket #: 700-1566266  
Bid #: O6UJ9A000JEC  
Date: 5/16/2024  
Generator: CONOCOPHILLIPS  
Generator #: 40946  
Well Ser. #: 20198E  
Well Name: FOLK FEDERAL  
Well #: 002  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	14.00 yards

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):  
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

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



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: IKE TAVARES  
AFE #:  
PO #:  
Manifest #: 11  
Manif. Date: 5/16/2024  
Hauler: MCNABB PARTNERS  
Driver: VICTORIA  
Truck #: M35  
Card #  
Job Ref #

Ticket #: 700-1566269  
Bid #: O6UJ9A000JEC  
Date: 5/16/2024  
Generator: CONOCOPHILLIPS  
Generator #: 40946  
Well Ser. #: 20198E  
Well Name: FOLK FEDERAL  
Well #: 002  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

14.00 yards

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste  
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):  
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

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



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: IKE TAVAREZ  
AFE #:  
PO #:  
Manifest #: 12  
Manif. Date: 5/16/2024  
Hauler: MCNABB PARTNERS  
Driver: ANDREW  
Truck #: M87  
Card #  
Job Ref #

Ticket #: 700-1566277  
Bid #: O6UJ9A000JEC  
Date: 5/16/2024  
Generator: CONOCOPHILLIPS  
Generator #: 40946  
Well Ser. #: 20198E  
Well Name: FOLK FEDERAL  
Well #: 002  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste  
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):  
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

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



Permian Basin

Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: IKE TAVAREZ  
 AFE #:  
 PO #:  
 Manifest #: ~~NA~~ 13  
 Manif. Date: 5/17/2024  
 Hauler: MCNABB PARTNERS  
 Driver: VICTORIA  
 Truck #: M35  
 Card #  
 Job Ref #

Ticket #: 700-1566547  
 Bid #: O6UJ9A000JEC  
 Date: 5/17/2024  
 Generator: CONOCOPHILLIPS  
 Generator #: 40946  
 Well Ser. #: 20198E  
 Well Name: FOLK FEDERAL  
 Well #: 002  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

14.00 yards

## Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste  
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):  
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

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



Permian Basin

Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: IKE TAVAREZ  
 AFE #:  
 PO #:  
 Manifest #: ~~NA~~ 14  
 Manif. Date: 5/17/2024  
 Hauler: MCNABB PARTNERS  
 Driver: MANUEL  
 Truck #: M37  
 Card #  
 Job Ref #

Ticket #: 700-1566546  
 Bid #: O6UJ9A000JEC  
 Date: 5/17/2024  
 Generator: CONOCOPHILLIPS  
 Generator #: 40946  
 Well Ser. #: 20198E  
 Well Name: FOLK FEDERAL  
 Well #: 002  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

14  
15.00 yards**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste  
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):  
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

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

9A020MEF



Permian Basin

Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: IKE TAVAREZ  
 AFE #:  
 PO #:  
 Manifest #: 15  
 Manif. Date: 5/20/2024  
 Hauler: MCNABB PARTNERS  
 Driver: ANDREW  
 Truck #: M87  
 Card #  
 Job Ref #

Ticket #: 700-1567516  
 Bid #: O6UJ9A000JEC  
 Date: 5/20/2024  
 Generator: CONOCOPHILLIPS  
 Generator #: 40946  
 Well Ser. #: 20198E  
 Well Name: FOLK FEDERAL  
 Well #: 002  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

## Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste  
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):  
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

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



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: IKE TAVAREZ  
AFE #:  
PO #:  
Manifest #: 16  
Manif. Date: 5/20/2024  
Hauler: MCNABB PARTNERS  
Driver: GUMER  
Truck #: M90  
Card #  
Job Ref #

Ticket #: 700-1567517  
Bid #: O6UJ9A000JEC  
Date: 5/20/2024  
Generator: CONOCOPHILLIPS  
Generator #: 40946  
Well Ser. #: 20198E  
Well Name: FOLK FEDERAL  
Well #: 002  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste  
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):  
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

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



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: IKE TAVAREZ  
AFE #:  
PO #:  
Manifest #: 17  
Manif. Date: 5/20/2024  
Hauler: MCNABB PARTNERS  
Driver: GUMER  
Truck #: M90  
Card #  
Job Ref #

Ticket #: 700-1567593  
Bid #: O6UJ9A000JEC  
Date: 5/20/2024  
Generator: CONOCOPHILLIPS  
Generator #: 40946  
Well Ser. #: 20198E  
Well Name: FOLK FEDERAL  
Well #: 002  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste  
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):  
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

A handwritten signature in blue ink that reads "Gumer Rdz".

A handwritten signature in black ink, appearing to be a stylized "R" or similar mark.

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

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



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: IKE TAVAREZ  
AFE #:  
PO #:  
Manifest #: NA 18  
Manif. Date: 5/20/2024  
Hauler: MCNABB PARTNERS  
Driver: JOSH  
Truck #: M87  
Card #  
Job Ref #

Ticket #: 700-1567633  
Bid #: O6UJ9A000JEC  
Date: 5/20/2024  
Generator: CONOCOPHILLIPS  
Generator #: 40946  
Well Ser. #: 20198E  
Well Name: FOLK FEDERAL  
Well #: 002  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18 20.00 yards

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste  
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):  
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

Approved By: \_\_\_\_\_

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

## **APPENDIX F**

### **Laboratory Analytical Data (Remediation & Backfill)**



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

May 16, 2024

NICHOLAS POOLE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: FOLK FEDERAL #002

Enclosed are the results of analyses for samples received by the laboratory on 05/15/24 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/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  
 NICHOLAS POOLE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 05/15/2024  
 Reported: 05/16/2024  
 Project Name: FOLK FEDERAL #002  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 05/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NSW - 1 (H242694-01)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2024	ND	1.90	94.9	2.00	1.67	
Toluene*	<0.050	0.050	05/16/2024	ND	1.87	93.3	2.00	1.81	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.88	94.2	2.00	1.95	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	5.47	91.2	6.00	1.98	
Total BTEX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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	192	16.0	05/16/2024	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	05/16/2024	ND	180	90.1	200	0.0200	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	172	86.1	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/15/2024  
 Reported: 05/16/2024  
 Project Name: FOLK FEDERAL #002  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 05/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: ESW- 1 (H242694-02)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2024	ND	1.90	94.9	2.00	1.67	
Toluene*	<0.050	0.050	05/16/2024	ND	1.87	93.3	2.00	1.81	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.88	94.2	2.00	1.95	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	5.47	91.2	6.00	1.98	
Total BTEX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 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	48.0	16.0	05/16/2024	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	05/16/2024	ND	180	90.1	200	0.0200	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	172	86.1	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	FOLK FEDERAL #002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

**Sample ID: SSW- 1 (H242694-03)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2024	ND	1.90	94.9	2.00	1.67	
Toluene*	<0.050	0.050	05/16/2024	ND	1.87	93.3	2.00	1.81	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.88	94.2	2.00	1.95	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	5.47	91.2	6.00	1.98	
Total BTX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/16/2024	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	05/16/2024	ND	180	90.1	200	0.0200	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	172	86.1	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	FOLK FEDERAL #002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

**Sample ID: WSW- 1 (H242694-04)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2024	ND	1.90	94.9	2.00	1.67	
Toluene*	<0.050	0.050	05/16/2024	ND	1.87	93.3	2.00	1.81	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.88	94.2	2.00	1.95	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	5.47	91.2	6.00	1.98	
Total BTEX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 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	208	16.0	05/16/2024	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	05/16/2024	ND	180	90.1	200	0.0200	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	172	86.1	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane 71.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	FOLK FEDERAL #002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

**Sample ID: FS- 1 (H242694-05)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/16/2024	ND	1.90	94.9	2.00	1.67		
Toluene*	<0.050	0.050	05/16/2024	ND	1.87	93.3	2.00	1.81		
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.88	94.2	2.00	1.95		
Total Xylenes*	<0.150	0.150	05/16/2024	ND	5.47	91.2	6.00	1.98		
Total BTEx	<0.300	0.300	05/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/16/2024	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	05/16/2024	ND	180	90.1	200	0.0200	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	172	86.1	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane 65.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/15/2024  
 Reported: 05/16/2024  
 Project Name: FOLK FEDERAL #002  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 05/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FS- 2 (H242694-06)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2024	ND	1.90	94.9	2.00	1.67	
Toluene*	<0.050	0.050	05/16/2024	ND	1.87	93.3	2.00	1.81	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.88	94.2	2.00	1.95	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	5.47	91.2	6.00	1.98	
Total BTX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 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	05/16/2024	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	05/16/2024	ND	180	90.1	200	0.0200	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	172	86.1	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	FOLK FEDERAL #002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

**Sample ID: FS- 3 (H242694-07)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/16/2024	ND	1.90	94.9	2.00	1.67		
Toluene*	<0.050	0.050	05/16/2024	ND	1.87	93.3	2.00	1.81		
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.88	94.2	2.00	1.95		
Total Xylenes*	<0.150	0.150	05/16/2024	ND	5.47	91.2	6.00	1.98		
Total BTEX	<0.300	0.300	05/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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	128	16.0	05/16/2024	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	05/16/2024	ND	171	85.7	200	0.00	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	215	107	200	14.4	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	FOLK FEDERAL #002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

**Sample ID: FS- 4 (H242694-08)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2024	ND	1.90	94.9	2.00	1.67	
Toluene*	<0.050	0.050	05/16/2024	ND	1.87	93.3	2.00	1.81	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.88	94.2	2.00	1.95	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	5.47	91.2	6.00	1.98	
Total BTEX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 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	128	16.0	05/16/2024	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	05/16/2024	ND	171	85.7	200	0.00	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	215	107	200	14.4	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 05/15/2024  
 Reported: 05/16/2024  
 Project Name: FOLK FEDERAL #002  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 05/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FS- 5 (H242694-09)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2024	ND	1.90	94.9	2.00	1.67	
Toluene*	<0.050	0.050	05/16/2024	ND	1.87	93.3	2.00	1.81	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.88	94.2	2.00	1.95	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	5.47	91.2	6.00	1.98	
Total BTEX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 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	64.0	16.0	05/16/2024	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	05/16/2024	ND	171	85.7	200	0.00	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	215	107	200	14.4	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 05/15/2024  
 Reported: 05/16/2024  
 Project Name: FOLK FEDERAL #002  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 05/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FS- 6 (H242694-10)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2024	ND	1.90	94.9	2.00	1.67	
Toluene*	<0.050	0.050	05/16/2024	ND	1.87	93.3	2.00	1.81	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.88	94.2	2.00	1.95	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	5.47	91.2	6.00	1.98	
Total BTEX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 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	112	16.0	05/16/2024	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	05/16/2024	ND	171	85.7	200	0.00	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	215	107	200	14.4	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	FOLK FEDERAL #002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NEW MEXICO		

**Sample ID: FS- 7 (H242694-11)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/16/2024	ND	1.90	94.9	2.00	1.67		
Toluene*	<0.050	0.050	05/16/2024	ND	1.87	93.3	2.00	1.81		
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.88	94.2	2.00	1.95		
Total Xylenes*	<0.150	0.150	05/16/2024	ND	5.47	91.2	6.00	1.98		
Total BTEX	<0.300	0.300	05/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 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	208	16.0	05/16/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2024	ND	171	85.7	200	0.00	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	215	107	200	14.4	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane 79.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

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**Analytical Results For:**

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

Received: 05/15/2024  
 Reported: 05/16/2024  
 Project Name: FOLK FEDERAL #002  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 05/15/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FS- 8 (H242694-12)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2024	ND	1.90	94.9	2.00	1.67	
Toluene*	<0.050	0.050	05/16/2024	ND	1.87	93.3	2.00	1.81	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	1.88	94.2	2.00	1.95	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	5.47	91.2	6.00	1.98	
Total BTEX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 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	112	16.0	05/16/2024	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2024	ND	171	85.7	200	0.00	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	215	107	200	14.4	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

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### Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 2

<b>Company Name:</b> Coraco Phillips		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>						
<b>Project Manager:</b> Nicholas Poole		<b>P.O. #:</b>								
<b>Address:</b>		<b>Company:</b> Tetra Tech								
<b>City:</b>		<b>Attn:</b> Nicholas Poole								
<b>State:</b>		<b>Address:</b>								
<b>Zip:</b>		<b>City:</b>								
<b>Phone #:</b>		<b>State:</b>								
<b>Fax #:</b>		<b>Zip:</b>								
<b>Project #:</b> 212C-MD-0		<b>Project Owner:</b>								
<b>Project Name:</b> Folk Federal #002		<b>Phone #:</b>								
<b>Project Location:</b> Eddy Co. NM		<b>Fax #:</b>								
<b>Sampler Name:</b> Andrew Garcia										

FOR LAB USE ONLY											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	MATRIX	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME
H442694	NSU-1	X	1			X				5/15/24	
	ESW-1										X
	SSW-1										X
	WSW-1										X
	FS-1										
	FS-2										
	FS-3										
	FS-4										
	FS-5										
	FS-6										

<b>TPH</b>	X									
<b>BTEX</b>	X									
<b>Chlorides</b>	X									

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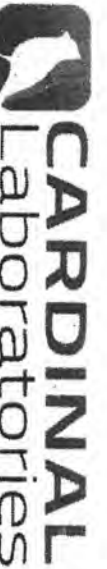
<b>Relinquished By:</b> Andrew Garcia	<b>Date:</b> 5/15/24	<b>Received By:</b> [Signature]	<b>Verbal Result:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Add'l Phone #:</b>
<b>Relinquished By:</b>	<b>Date:</b>	<b>Received By:</b>	<b>All Results are emailed. Please provide Email address:</b>	

<b>Delivered By:</b> (Circle One) Sampler - UPS   Bus   Other:	<b>Observed Temp. °C</b> 5.6	<b>Corrected Temp. °C</b>	<b>Sample Condition</b> <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>CHECKED BY:</b> (Initials)	<b>Turnaround Time:</b> Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	<b>Bacteria (only) Sample Condition</b> <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Thermometer ID #140</b> Correction Factor 0°C	<b>24 HR TAR</b>	<b>Corrected Temp. °C</b>
---	---------------------------------	---------------------------	--	----------------------------------	---	--	---	------------------	---------------------------

**REMARKS:**  
Nicholas Poole @ TetraTech.com  
Christian Livid e TetraTech.com  
Andrew Garcia @ TetraTech.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 2

Company Name: Conoco-Phillips		P.O. #:		BILL TO																					
Project Manager: Nicholas Poole		Company: Tetra Tech		ANALYSIS REQUEST																					
Address:		Attn: Nicholas Poole																							
City:	State:	Zip:	Address:																						
Phone #:	Fax #:	Project Owner:	City:																						
Project #: 212C-MD-0		Project Name: Folk Federal #002	State:	Zip:																					
Project Location: Eddy Co, NM		Phone #:																							
Sample Name: Andrew Garcia		Fax #:																							
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV		SAMPLING													
		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE:	ICE / COOL	OTHER	DATE	TIME													
H43264	FS-7	11	12	1	1	X					5/15/24		X	X	X										
	FS-8																								
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Relinquished By: Andrew Garcia		Date: 5/15/24	Received By: Nicholas Poole																						
Relinquished By:		Date:	Received By:																						
Delivered By: (Circle One)		Observed Temp. °C	Corrected Temp. °C	Sample Condition		CHECKED BY: (Initials)																			
Sampler - UPS - Bus - Other:				Cool <input type="checkbox"/> Intact <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>																			
Thermometer ID #140		Turnaround Time: Standard <input type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition	Cool <input type="checkbox"/> Intact <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Observed Temp. °C	Corrected Temp. °C																		
Correction Factor 0°C		24 HR TAT																							
REMARKS: Nicholas Poole at Tetra Tech.com																									
Andrew Garcia at Tetra Tech.com																									
Christian Livi at Tetra Tech.com																									
All Results are emailed. Please provide Email address:																									
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:																									
Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com																									

## **APPENDIX G**

### **BLM Seed Mixture Details**

(27)

BLM Serial #:

Company Reference:

### 3.2 Seed Mixture for LPC Sand/Shinnery Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)\* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed\* per acre:

<u>Species</u>	<u>lb/acre</u>
Plains Bristlegrass	5lbs/A
Sand Bluestem	5lbs/A
Little Bluestem	3lbs/A
Big Bluestem	6lbs/A
Plains Coreopsis	2lbs/A
Sand Dropseed	1lbs/A

\*Pounds of pure live seed: Pounds of seed x percent purity x percent germination = pounds pure live seed

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Oil Conservation Division  
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Santa Fe, NM 87505

QUESTIONS  
  
Action 356013

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	356013
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1630550256
Incident Name	NAB1630550256 FOLK FEDERAL #002 @ 30-015-20198
Incident Type	Oil Release
Incident Status	Reclamation Report Received
Incident Well	[30-015-20198] FOLK FEDERAL #002

Location of Release Source	
Please answer all the questions in this group.	
Site Name	FOLK FEDERAL #002
Date Release Discovered	10/14/2016
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Corrosion   Tank (Any)   Crude Oil   Released: 18 BBL   Recovered: 16 BBL   Lost: 2 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Action 356013

**QUESTIONS (continued)**

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

**QUESTIONS**

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

**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: 06/19/2024
--	--

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QUESTIONS, Page 3  
  
Action 356013

QUESTIONS (continued)

Operator:  COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	356013
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

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	Direct Measurement
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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

<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)	48
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	14900
GRO+DRO (EPA SW-846 Method 8015M)	13930
BTEX (EPA SW-846 Method 8021B or 8260B)	504
Benzene (EPA SW-846 Method 8021B or 8260B)	7.7
<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	05/25/2024
On what date will (or did) the final sampling or liner inspection occur	05/28/2024
On what date will (or was) the remediation complete(d)	05/29/2024
What is the estimated surface area (in square feet) that will be reclaimed	3049
What is the estimated volume (in cubic yards) that will be reclaimed	226
What is the estimated surface area (in square feet) that will be remediated	3049
What is the estimated volume (in cubic yards) that will be remediated	226
<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>	

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Action 356013

QUESTIONS (continued)

Operator:  COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	356013
	Action Type:	
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

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>	
<i>(Select all answers below that apply.)</i>	
(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	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
<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	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<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: 06/19/2024
<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>	

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QUESTIONS, Page 5  
  
Action 356013

QUESTIONS (continued)

Operator:  COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	356013
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

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	No

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QUESTIONS, Page 6

Action 356013

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	356013
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	346414
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/15/2024
What was the (estimated) number of samples that were to be gathered	12
What was the sampling surface area in square feet	3049

**Remediation Closure Request**

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	3049
What was the total volume (cubic yards) remediated	286
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	3049
What was the total volume (in cubic yards) reclaimed	286
Summarize any additional remediation activities not included by answers (above)	NA

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

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

I hereby agree and sign off to the above statement	Name: Christian LLuLL Title: Project Manager Email: christian.llull@tetratech.com Date: 06/19/2024
--	---

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Action 356013

**QUESTIONS (continued)**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	356013
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS****Reclamation Report**

Only answer the questions in this group if all reclamation steps have been completed.

Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	3049
What was the total volume of replacement material (in cubic yards) for this site	286

Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.

Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	05/20/2024

Summarize any additional reclamation activities not included by answers (above)	NA
---	----

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

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

I hereby agree and sign off to the above statement	Name: Christian LLuLL Title: Project Manager Email: christian.llull@tetrattech.com Date: 06/19/2024
--	--

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QUESTIONS, Page 8  
  
Action 356013

QUESTIONS (continued)

Operator:  COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	356013
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

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

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CONDITIONS

Action 356013

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	356013
Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

CONDITIONS

Created By	Condition	Condition Date
bhall	Remediation closure and reclamation report approved.	6/20/2024
bhall	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	6/20/2024
bhall	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeded activities, inspections, and final pictures when revegetation is achieved.	6/20/2024
bhall	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	6/20/2024