



May 15, 2024

District Supervisor
Oil Conservation Division, District 2
811 S. First St.
Artesia, New Mexico 88210

**Re: Liner Inspection and Closure Request
ConocoPhillips
Golden Spur Federal #001Y – Tank Battery Release
Unit Letter N, Section 25, Township 26 South, Range 31 East
Eddy County, New Mexico
Incident ID# NAPP2402054344**

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company to assess a release associated with the Golden Spur Federal #001Y Tank Battery. The release footprint is located within Public Land Survey System (PLSS) Unit Letter N, Section 25, Township 26 South, Range 31 East, in Eddy County, New Mexico (Site). The approximate release point occurred at coordinates 32.0070°, -103.7340°, as shown on Figures 1 and 2.

BACKGROUND

On January 20, 2024, ConocoPhillips submitted a Notification of Release (NOR) to the New Mexico Oil Conservation Division (NMOCD) online portal system for a release discovered on that date. The cause of the release is indicated in the NOR as a water tank overflow at the facility. Photographs provided by ConocoPhillips indicate that the release occurred in the lined containment and flowed into the surrounding unlined containment area within the facility berm on pad, as presented in Figure 3. A NMOCD C-141 Initial Report was subsequently submitted to the NMOCD online portal system on April 4, 2024. The release consisted of approximately 28 barrels (bbls) of produced water and 7 bbls of crude oil, of which 25 bbls of produced water and 5 bbls of oil were recovered.

According to the C-141, the release was located on pad within an earthen berm and a vacuum truck was dispatched to recover freestanding fluids. Following the NOR submittal, the release was assigned the Incident ID NAPP2402054344. The NMOCD initial C-141 Initial Report was prepared by ConocoPhillips and provided to the Bureau of Land Management (BLM) to provide notice of the release. A copy of the NMOCD initial C-141 and NOR are included in Appendix A.

LAND OWNERSHIP

According to the NMOCD Oil and Gas Map, the Site is located on land managed by the Bureau of Land Management (BLM). Tetra Tech requested approval from the BLM to remediate via email on April 3, 2024. Shelly Taylor of the BLM cleared the Site for remediation activities via email on April 3, 2024. The regulatory correspondence is included in Appendix B.

SITE CHARACTERIZATION

According to the NMOCD Oil and Gas Map, the site is located on federal land managed by the BLM. A 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).

Tetra Tech

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Liner Inspection and Closure Report
May 15, 2024

ConocoPhillips

A summary of the site characterization is presented below:

Shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (feet bgs)	< 100 feet bgs
Method used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water?	No
<u>The minimum distance between the closest lateral extents of the release and the following surface areas:</u>	
A continuously flowing watercourse or any other significant watercourse	1.25 miles
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	1.3 miles
An occupied permanent residence, school, hospital, institution, or church	22.5 miles
A spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes	4.2 miles
Any other fresh water well or spring	> 5 miles
Incorporated municipal boundaries or a defined municipal fresh water well field	> 5 miles
A wetland	0.5 miles
A subsurface mine	> 5 miles
A (non-karst) unstable area	2.5 miles
Categorized risk of this well / site being in a karst geology	Medium
A 100-year floodplain	0.5 miles
Did the release impact areas not on an exploration, development, production, or storage site?	No

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are no water wells within ½ mile (800 meters) of the Site. There is one (1) water well approximately 2,126 meters from the Site with a depth to groundwater of 295 feet below ground surface (bgs). The site characterization data is included in Appendix C.

REGULATORY FRAMEWORK

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

Based on the absence of water wells within ½ mile of the Site, the strictest Table I closure criteria will be applied to this release incident in lieu of drilling a boring for groundwater depth verification. Thus, based on the site characterization, and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

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

INITIAL RESPONSE ACTIVITIES

In accordance with 19.15.29.8.B.(4) NMAC that states “the responsible party may commence remediation immediately after discovery of a release”, COP elected to begin remediation of the impacted area in 2024.

The release extent within the unlined area consisted of approximately 1,300 square feet, indicated in Figure 3. Initial response remedial actions were performed at the release site, and visually stained areas were scraped to remove impacted materials. The on-pad material was scraped to approximately 6 inches below ground surface, resulting in approximately 25 cubic yards of material being removed and disposed of at an permitted facility. The initial response area is indicated in Figure 3.

LINER INTEGRITY

As portions of the release extent occurred atop a polyethylene liner, a liner inspection was performed for the release incident. In accordance with 19.15.29.11(A)(5)(a) NMAC, notification of a liner inspection at the Golden Spur Federal #001Y Battery was submitted via the NMOCD portal on February 5, 2024. The liner inspection notification email is included in Appendix B.

On February 8, 2024, Tetra Tech personnel performed an inspection of the liner within the containment area of the Golden Spur Federal #001Y Tank Battery. This work was completed to verify the integrity of the liner. The liner was observed to underlie the entirety of the tank battery containment area. The liner was intact with no visible rips or tears. At the time of the inspection, the liner was intact and had the ability to contain the documented release. Photographic documentation of the liner inspection is included in Appendix D.

Based on photographs of the release area immediately following the release discovery (Appendix D), the released fluids pooled within the lined containment allowing substantial recovery of fluids by vacuum truck. The standing fluid observed in photographs lends further evidence to the integrity of the liner as a competent fluid barrier.

RELEASE ASSESSMENT AND DELINEATION

While onsite for the liner inspection on February 8, 2024, Tetra Tech personnel conducted release assessment sampling on behalf of ConocoPhillips in the unlined portion of the release extent. Clean caliche gravel with no visible indication of the release was observed at the time of the assessment, confirming that an initial scrape was conducted by ConocoPhillips personnel. Photographic documentation is included in Appendix D.

Tetra Tech personnel installed three (3) hand auger borings (AH-1 through AH-3) to 2 feet bgs each within the release footprint to vertically delineate the release extent. Five (5) hand auger borings (AH-4 through AH-8) were installed to 1 foot bgs each along the perimeter of the release footprint to horizontally delineate the release extent. Samples were field screened for salinity with an ExStik to determine total depths of the borings.

A total of twelve (12) soil samples were submitted to Cardinal Laboratories in Hobbs, New Mexico for analysis of chloride via Standard Method SM4500Cl-B, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. A copy of the laboratory analysis and chain-of-custody documentation are included in Appendix E.

Analytical results from the February 2024 assessment activities are summarized in Table 1. Analytical results associated with AH-1, AH-2, and AH-3 exceeded the Site RRAL for chloride (600 mg/kg) in the 0-1 foot bgs interval. Additionally, the analytical results associated with AH-3 exceeded the Site RRAL for TPH (100 mg/kg). All other analytical results were below the Site RRALs for all constituents. Vertical and horizontal delineation of the release extent was achieved following the February 2024 assessment activities.

EXTENSION REQUEST

An extension request for this incident was submitted to the NMOCD on April 24, 2024. The extension was approved the same day, for a new due date of July 23, 2024. Regulatory correspondence is included in Appendix B.

REMEDIAL ACTIVITIES AND CONFIRMATION SAMPLING

From April 15-17, 2024, Tetra Tech personnel were onsite to supervise remedial activities at the Site, including excavation, disposal, and confirmation sampling. Prior to confirmation sampling, on April 11, 2024, the NMOCD district office was notified via the OCD Fee Application Portal in accordance with Subsection D of 19.15.29.12 NMAC. Documentation of associated regulatory correspondence is included in Appendix B.

Soils in the delineated release extent were excavated as indicated in Figure 4. The areas within the release footprint were excavated to a maximum depth of 1 foot below surrounding grade. Due to safety concerns associated with working around pressurized lines, impacted soils were excavated by hand within 4 feet of subsurface lines. Heavy machinery remained outside this buffer zone to avoid any associated risk or disturbance. Photographs from the excavated areas prior to backfill are provided in Appendix D. All excavated material was transported offsite for proper disposal. Approximately 36 cubic yards of material were transported to the R360 Halfway facility. Copies of the waste manifests are included in Appendix F.

Following excavation, confirmation floor and sidewall samples were collected and submitted for laboratory analysis to verify efficacy of remediation activities. Confirmation samples were collected such that each discrete sample (sidewall and floor) was representative of no more than 200 square feet of excavated area. Three (3) confirmation floor sample locations and four (4) confirmation sidewall sample locations were collected for laboratory analysis during remedial activities. Confirmation sidewall sample locations were categorized with the cardinal direction (N, E, S, W) followed by SW-#. Confirmation floor sample locations were labeled with "FS"-#. Excavated areas, depths and confirmation sample locations are indicated in Figure 4.

Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Cardinal. The soil samples were analyzed for TPH (GRO+DRO+MRO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chlorides by SM4500Cl-B. The analytical results were directly compared to the Site RRALs to demonstrate compliance. The results of the April 2024 confirmation sampling events are summarized in Table 2. All final confirmation soil samples (floor and sidewall) were below applicable cleanup levels for chloride, TPH, and BTEX. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

Once acceptable confirmation sample results were received, the excavation was backfilled with clean material to pre-release grade. 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 3. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

Liner Inspection and Closure Report
May 15, 2024

ConocoPhillips

CONCLUSION

ConocoPhillips respectfully requests closure of the incident based on the liner inspection, as well as the remedial activities performed, and the confirmation sampling results received. The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the liner inspection or the remedial action for the Site, please call me at (512) 739-7874 or Christian at (512) 338-2861.

Sincerely,
Tetra Tech, Inc.



Samantha Abbott, P.G.
Project Manager



Christian M. Llull, P.G.
Program Manager

cc:
Mr. Jacob Laird, PBU – ConocoPhillips
Ms. Shelly Taylor – BLM

LIST OF ATTACHMENTS

Figures:

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Approximate Release and Site Assessment
- Figure 4 – Remediation Extent and Confirmation Sampling Locations

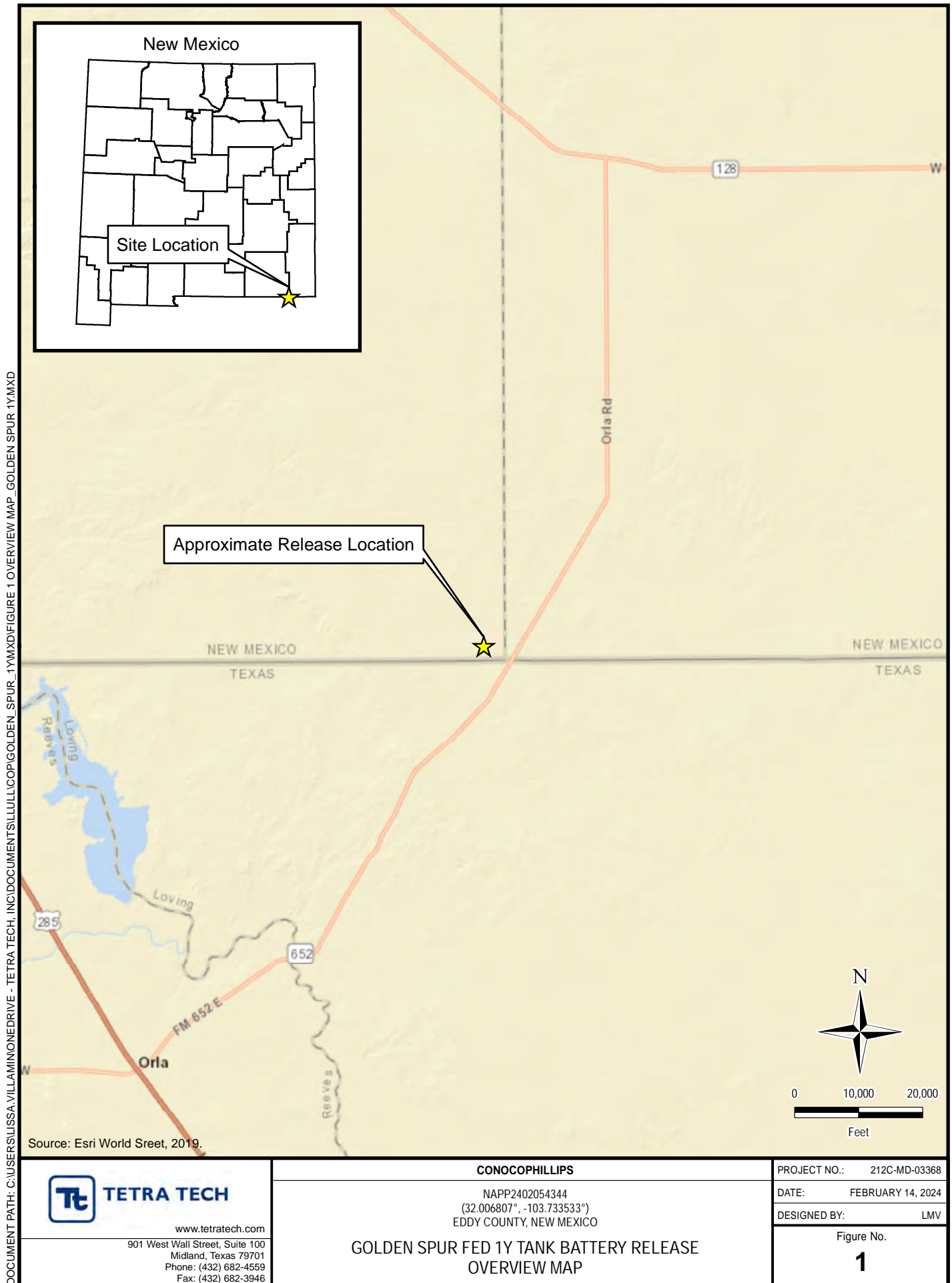
Tables:

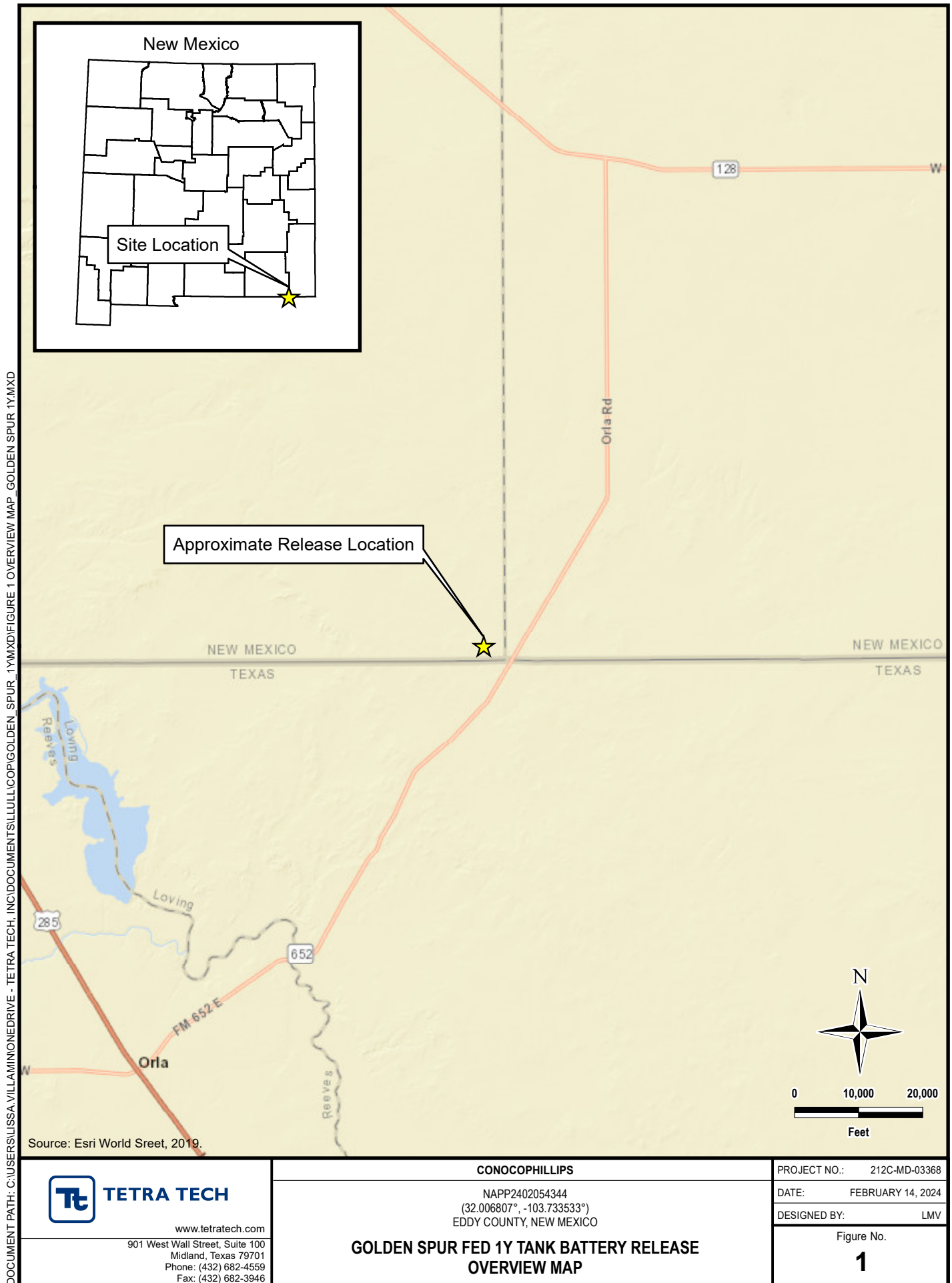
- Table 1 – Summary of Analytical Results – Soil Assessment
- Table 2 – Summary of Analytical Results – Soil Remediation
- Table 3 – Summary of Analytical Results – Soil Backfill

Appendices:

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

FIGURES





DOCUMENT PATH: C:\USERS\ISSA.VILLAMINONEDRIVE - TETRA TECH, INC\DOCUMENTS\ILLUCCI\GOLDEN SPUR_1YMXD\FIGURE 2 TOPO MAP GOLDEN SPUR 1YMXD

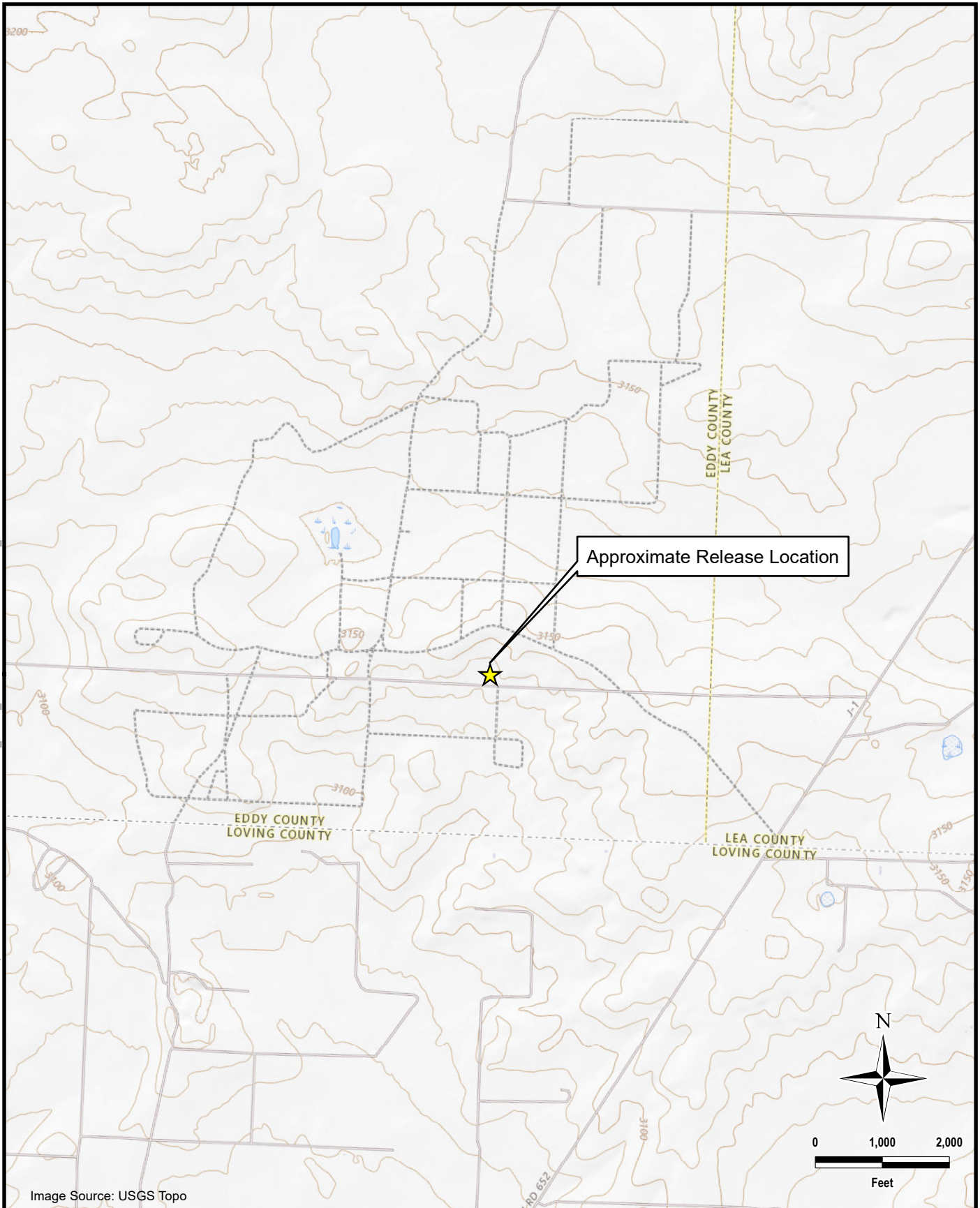


Image Source: USGS Topo



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CONOCOPHILLIPS

NAPP2402054344
(32.006807°, -103.733533°)
EDDY COUNTY, NEW MEXICO

**GOLDEN SPUR FED 1Y TANK BATTERY RELEASE
TOPOGRAPHIC MAP**

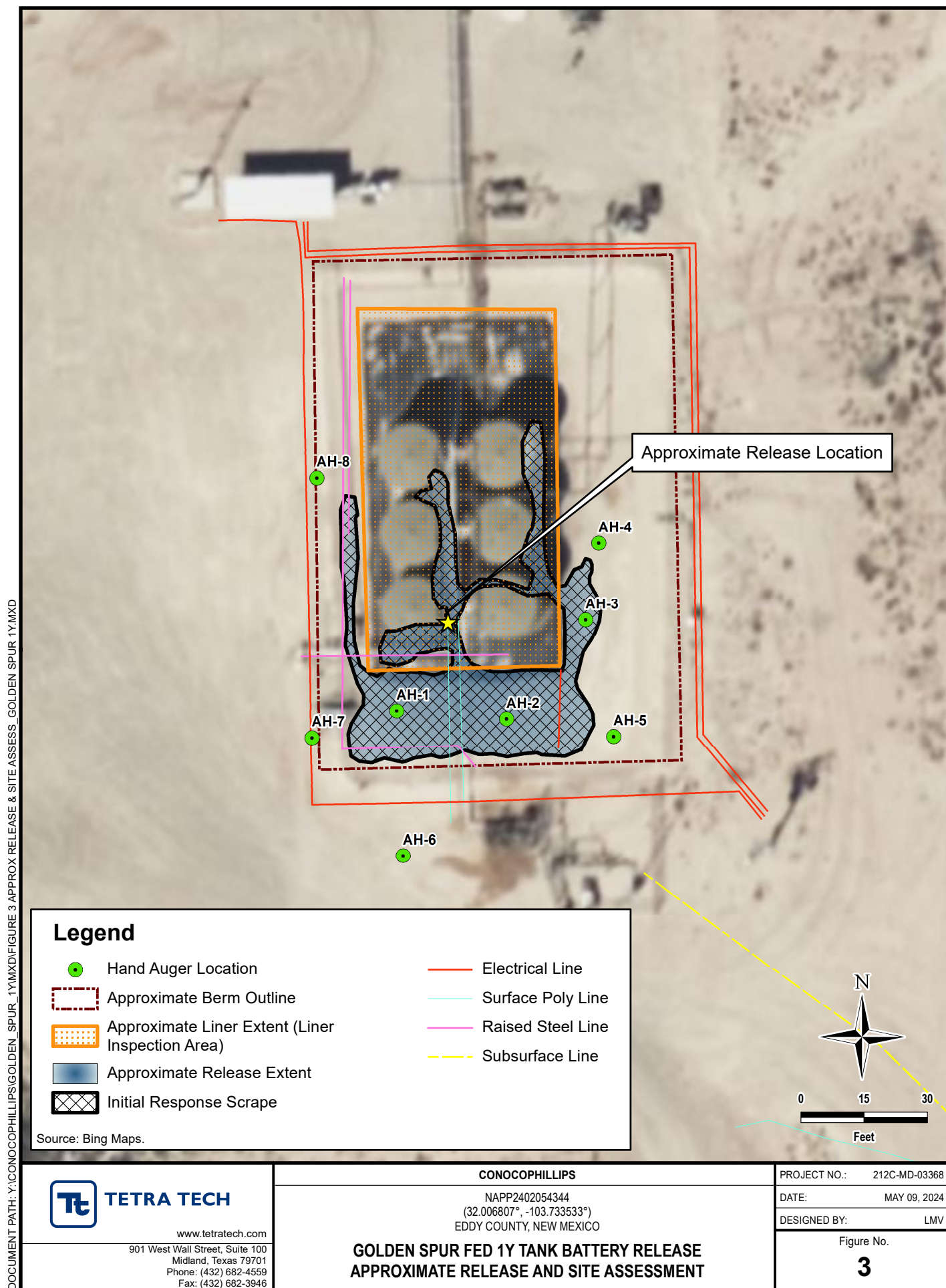
PROJECT NO.: 212C-MD-3368

DATE: FEBRUARY 14, 2024

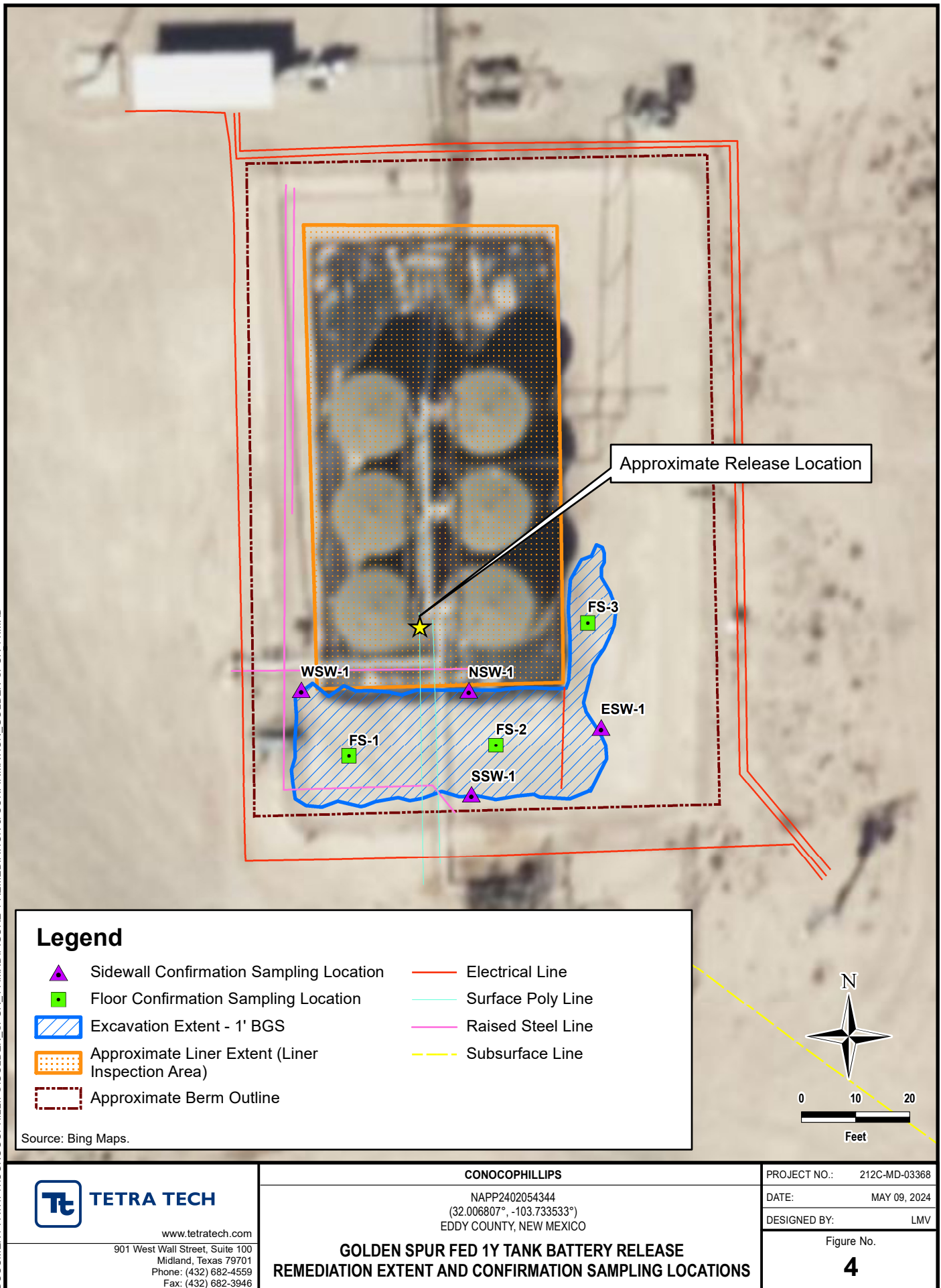
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Figure No.

2



DOCUMENT PATH: Y:\CONOCOPHILLIPS\GOLDEN_SPUR_1YMXD\FIGURE 4 REMEDIATION & CONFIRMATION_GOLDEN SPUR 1YMXD

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CONOCOPHILLIPS

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(32.006807°, -103.733533°)
EDDY COUNTY, NEW MEXICO

**GOLDEN SPUR FED 1Y TANK BATTERY RELEASE
REMEDATION EXTENT AND CONFIRMATION SAMPLING LOCATIONS**

PROJECT NO.: 212C-MD-03368

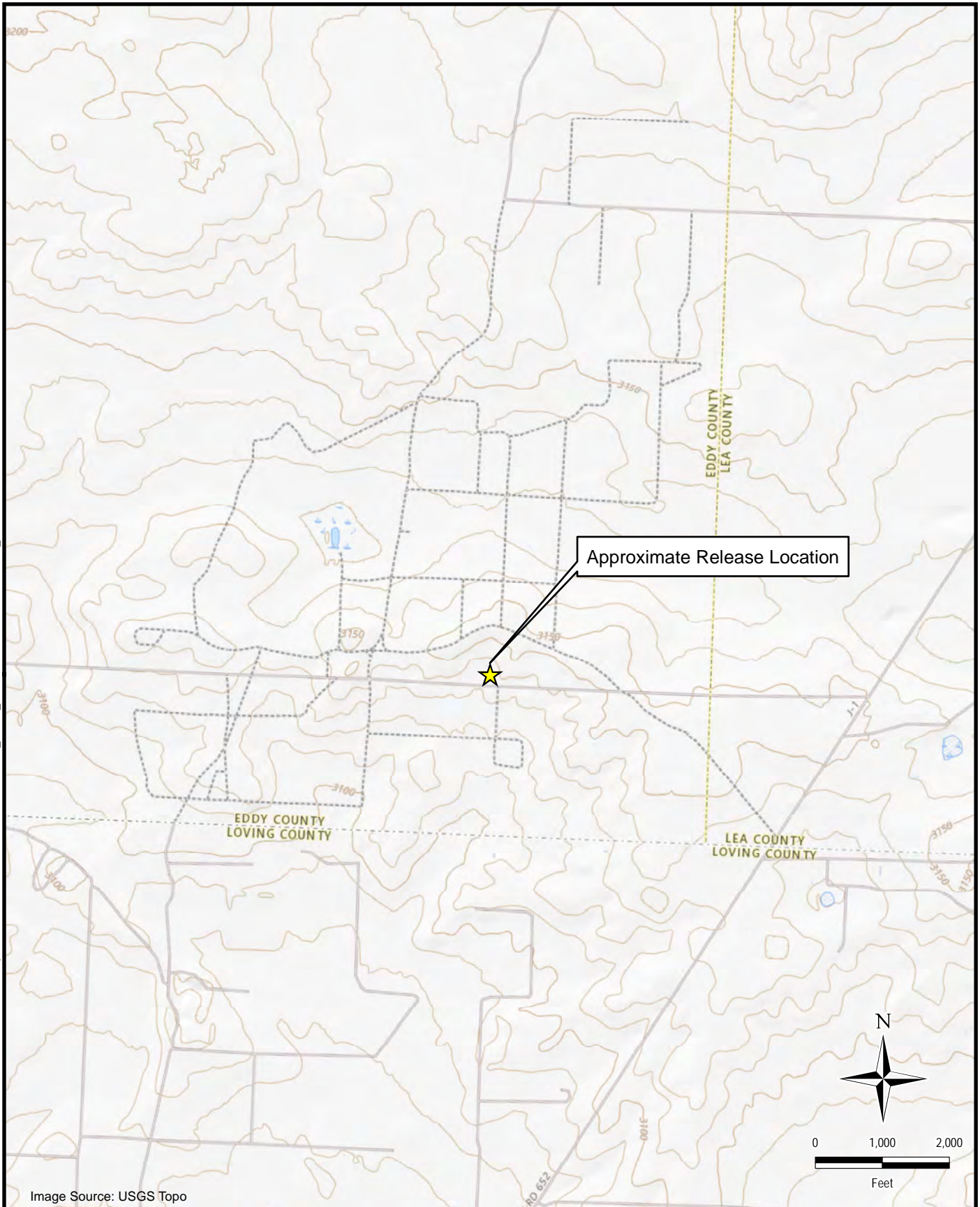
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4

DOCUMENT PATH: C:\USERS\LISSA.VILLAMINONE\DRIVE - TETRA TECH, INC\DOCUMENTS\ILLUSTRATIONS\GOLDEN_SPUR_1YMXD\FIGURE 2 TOPO MAP. GOLDEN SPUR 1YMXD



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EDDY COUNTY, NEW MEXICO

**GOLDEN SPUR FED 1Y TANK BATTERY RELEASE
TOPOGRAPHIC MAP**

PROJECT NO.: 212C-MD-3368

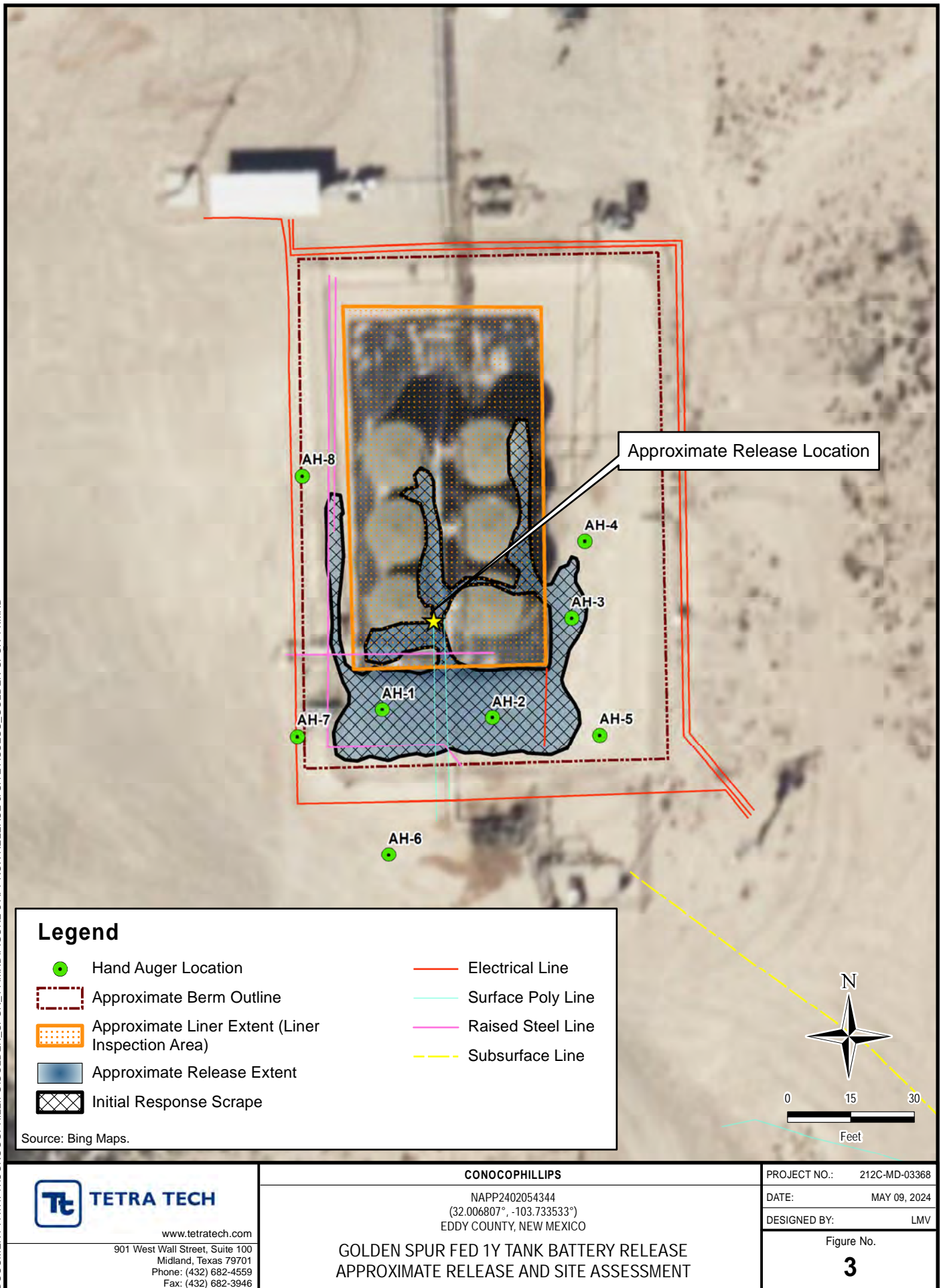
DATE: FEBRUARY 14, 2024

DESIGNED BY: LMV

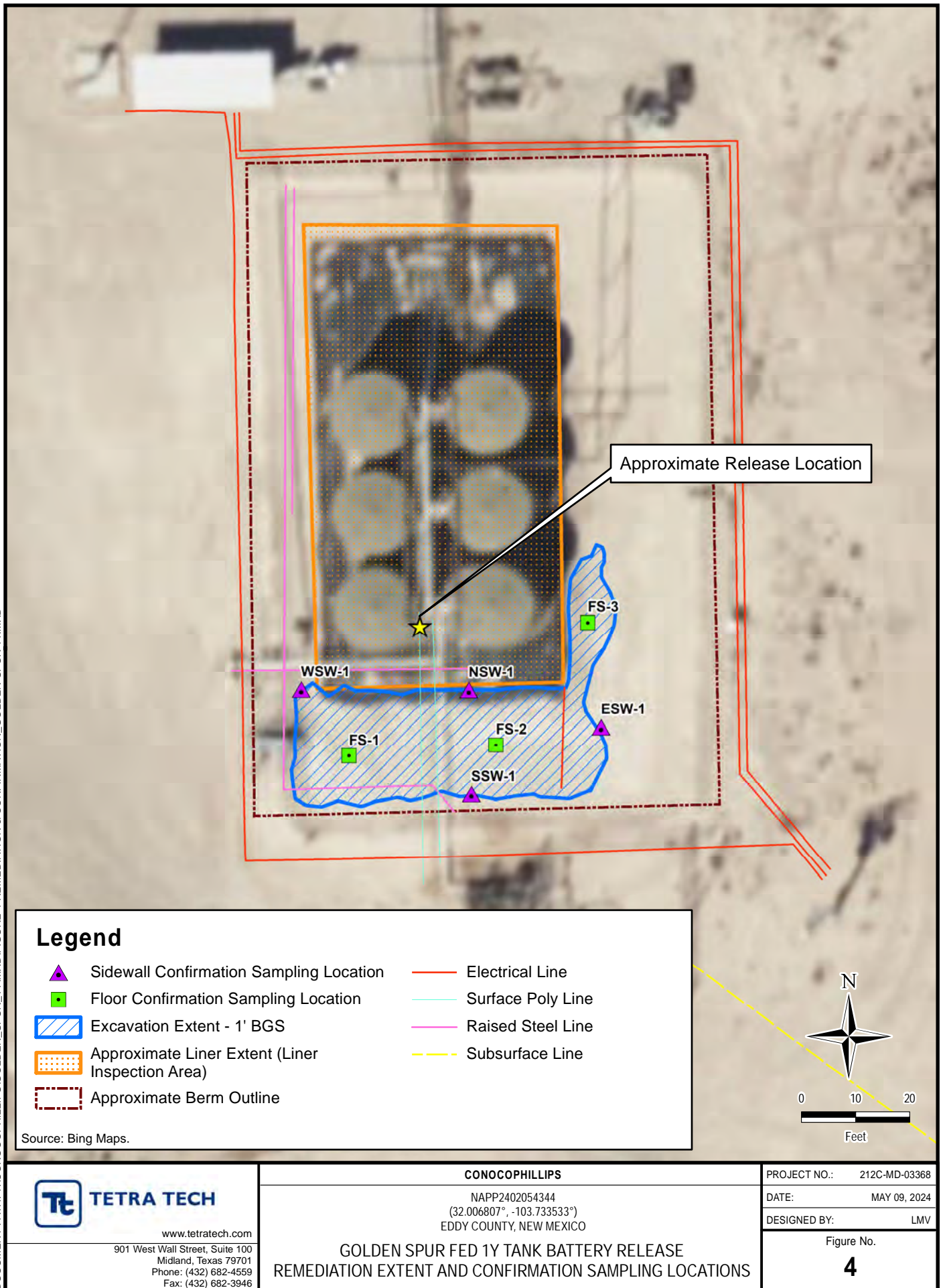
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2

DOCUMENT PATH: Y:\CONOCOPHILLIPS\GOLDEN_SPUR_1YMXD\FIGURE 3 APPROX RELEASE & SITE ASSESS_GOLDEN_SPUR_1YMXD



DOCUMENT PATH: Y:\CONOCOPHILLIPS\GOLDEN_SPUR_1YMXD\FIGURE 4 REMEDIATION & CONFIRMATION_ GOLDEN SPUR 1Y.MXD

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CONOCOPHILLIPS

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**GOLDEN SPUR FED 1Y TANK BATTERY RELEASE
REMEDATION EXTENT AND CONFIRMATION SAMPLING LOCATIONS**

PROJECT NO.: 212C-MD-03368

DATE: MAY 09, 2024

DESIGNED BY: LMV

Figure No.

4

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT- NAPP2402054344
CONOCOPHILLIPS
GOLDEN SPUR FEDERAL 1Y TANK BATTERY
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results	Chloride		BTEx ²										TPH ³							
			Chloride			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEx		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
		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	mg/kg	
VERTICAL DELINEATION																							
AH-1	2/8/2024	0-1	3,530	2,840		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	
		1-2	518	320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	
AH-2	2/8/2024	0-1	2,640	2,320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	
		1-2	351	256		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	
AH-3	2/8/2024	0-1	2,100	1,470		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		135		<10.0		135	
		1-1.5	779	544		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	
		1.5-2	587	560		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	
HORIZONTAL DELINEATION																							
AH-4	2/8/2024	0-1	320	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	
AH-5	2/8/2024	0-1	406	256		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	
AH-6	2/8/2024	0-1	260	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	
AH-7	2/8/2024	0-1	567	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	
AH-8	2/8/2024	0-1	460	368		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

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

Shaded rows indicate intervals proposed for excavation.

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
2024 SOIL REMEDIATION - NAPP2402054344
CONOCOPHILLIPS
GOLDEN SPUR FEDERAL 1Y TANK BATTERY RELEASE
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride ¹		BTEx ²										TPH ³							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEx		Gro		Dro		Ext Dro		Total TPH (Gro+Dro+Ext Dro)	
															C ₆ - C ₁₀		> C ₁₀ - C ₂₈		> C ₂₈ - C ₃₆			
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
NSW-1	4/15/2024	-	336		<0.050		0.054		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
ESW-1	4/15/2024	-	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
WSW-1	4/15/2024	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SSW-1	4/15/2024	-	368		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-1	4/15/2024	1	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-2	4/15/2024	1	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-3	4/15/2024	1	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

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

QUALIFIERS:

TABLE 3
SUMMARY OF ANALYTICAL RESULTS
RAMIREZ SONS PIT - SOIL BACKFILL COMPOSITE
CONOCOPHILLIPS
LOCATION: 32.728454-103.193247

Sample ID	Sample Date	Chloride ¹		BTEX ²										TPH ³							
				Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
		C ₆ - C ₁₀												> C ₁₀ - C ₂₈		> C ₂₈ - C ₃₆					
		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	4/19/2024	48.0		<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
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 305870

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 305870
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	Golden Spur Federal 1Y
Date Release Discovered	01/20/2024
Surface Owner	Federal

Incident Details <i>Please answer all the questions in this group.</i>	
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 <i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Other Other (Specify) Crude Oil Released: 34 BBL (Unknown Released Amount) Recovered: 30 BBL Lost: 4 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

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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 305870

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 305870
	Action Type: [NOTIFY] Notification Of Release (NOR)

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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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	N/A
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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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ACKNOWLEDGMENTS

Action 305870

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 305870
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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CONDITIONS

Action 305870

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 305870
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jlaire	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	1/20/2024

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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

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

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

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

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

Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

Facility Name & Well Number(s): Golden spur 25				Release Discovery Date & Time: 1/20/24 10am					
<div>Received by OCD: 5/16/2024 9:41:08 AM</div>				<div>Page 27 of 104</div>					
Provide any known details about the event:				water transfer pumps did not kick on causing tanks to run over		Primary Cause (dropdown):	Communication	Secondary Cause (dropdown):	
				Was the Release to Soil / Caliche (dropdown):	Release On/Off Pad (dropdown):	Recovered Volume (bbl.) (if available, not included in volume calculations)	Release Type (dropdown):	Method of Determination (dropdown):	
BU:	Permian	Asset Area:	DBE - Asset Avg.	No	On-Pad	30	Oil Mixture	Known volume from geometry	
Known Volume (dropdown):				Yes	Percentage of Oil if Spilled Fluid is a Mixture (%)	Known Volume of Spill (bbl.)		Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
<div>Released to Imaging: 5/16/2024 1:42:09 PM</div>					20%	30		6.0000	24.0000

Spill Calculation - Subsurface Spill - Rectangle											Remediation Recommendation	
Received by OCD: 5/16/2024 9:41:08 AM											Page 28 of 104	
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	On/Off Pad (dropdown)	Soil Spilled-Fluid Saturation (%)	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture (%)	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)	Total Estimated Contaminated Soil, uncompacted, 25% (yd³.)	Current Rule of Thumb - RMR Handover Volume, (yd³.)
Rectangle A	60.0	15.0	3.0	On-Pad✓	10.50%	40.05	4.21	20%	0.84	3.36	10.42	750
Rectangle B	40.0	2.5	2.0	On-Pad✓	10.50%	2.97	0.31		0.06	0.25	0.77	
Rectangle C	31.0	5.0	2.0	On-Pad✓	10.50%	4.60	0.48		0.10	0.39	1.20	
Rectangle D				✓		0.00					0.00	
Rectangle E				✓		0.00					0.00	
Rectangle F				✓		0.00					0.00	
Rectangle G				✓		0.00					0.00	
Rectangle H				✓		0.00					0.00	
Rectangle I				✓		0.00					0.00	
Rectangle J				✓		0.00					0.00	
Total Subsurface Volume Released:							4.9996		0.9999	3.9997	12.38	BU
Released to Imaging: 5/16/2024 1:42:09 PM												

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

QUESTIONS

Action 329857

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 329857
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2402054344
Incident Name	NAPP2402054344 GOLDEN SPUR FEDERAL 1Y @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Golden Spur Federal 1Y
Date Release Discovered	01/20/2024
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: Other Other (Specify) Crude Oil Released: 34 BBL (Unknown Released Amount) Recovered: 30 BBL Lost: 4 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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QUESTIONS, Page 2

Action 329857

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 329857
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

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	N/A

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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 04/04/2024
--	---

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QUESTIONS, Page 3

Action 329857

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 329857
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
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	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

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	No
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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CONDITIONS

Action 329857

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 329857
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	4/4/2024

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input 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 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 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 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 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 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 type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input 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	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jacob Laird Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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: Jacob Laird 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

Abbott, Sam

From: Sam.Abbott@tetrattech.com
Subject: FW: The Oil Conservation Division (OCD) has accepted the application, Application ID: 311434

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, February 05, 2024 3:34 PM
To: Llull, Christian <Christian.Llull@tetrattech.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 311434

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

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

The OCD has received the submitted *Notification for Liner Inspection for a Release* (C-141L), for incident ID (n#) nAPP2402054344.

The liner inspection is expected to take place:

When: 02/08/2024 @ 10:00

Where: N-25-26S-31E 0 FNL 0 FEL (32.007,-103.734)

Additional Information: Approximate Release Point: 32.006812°, -103.733527°

Additional Instructions: Approximate Release Point: 32.006812°, -103.733527°

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, liner inspection pursuant to 19.15.29.11.A(5)(a) NMAC is required. 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 liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection 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

Chavira, Lisbeth

From: Taylor, Shelly J <sjtaylor@blm.gov>
Sent: Wednesday, April 3, 2024 7:07 PM
To: Llull, Christian
Subject: Re: [EXTERNAL] Golden Spur Fed 1Y Tank Battery Release - Site Remediation Proposal

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

BLM hereby authorizes you to proceed.

Respectfully,

Shelly J Taylor

Assistant Field Manager
Lands & Minerals - Acting

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

Direct 575.627.0250
Mobile 575.200.0614
sjtaylor@blm.gov



From: Llull, Christian <Christian.Llull@tetrattech.com>
Sent: Wednesday, April 3, 2024 5:55 PM
To: Taylor, Shelly J <sjtaylor@blm.gov>
Subject: [EXTERNAL] Golden Spur Fed 1Y Tank Battery Release - Site Remediation Proposal

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

Shelly. Requesting authorization for:

The remediation and confirmation sampling at the at the Golden Spur Fed 1Y Tank Battery Release located in Lea County, New Mexico.

Following remediation activities, Tetra Tech will draft a closure report for your review.

Golden Spur Fed 1Y Tank Battery Release**ConocoPhillips****Eddy County, New Mexico****DOR: 1/20/2024****INCIDENT ID: NAPP2402054344****Approximate Release Point: 32.006812°, -103.733527°****Landowner: BLM****BACKGROUND**

- According to the information provided, a water tank overflow resulted in a release of approximately 7 bbls of oil and 28 bbls of produced water of which 30 bbls of fluid were recovered.
- This release occurred within a lined facility and overflowed into the surrounding bermed area. The extent was contained to the lease pad.
- Due to a lack of adequate DTW data, the most stringent RRALs apply.
- Tetra Tech conducted a liner inspection on February 8, 2024.
 - The liner appeared intact with no rips or tears.
- Tetra Tech conducted hand auger assessment sampling while on Site on February 8, 2024.
 - Tetra Tech collected three (3) vertical samples (AH-1 through AH-3) and five (5) horizontal samples (AH-4 through AH-8).
 - Analytical results associated with the horizontal samples were below the Site RRALs.
 - Analytical results associated with interior borings AH-1 through AH-3 were above the Site RRAL for chloride in the 0-1 foot interval.

Please call if you have any questions or concerns.

Thank you.

Christian**Tetra Tech, Inc.** | *Leading with Science®* | OGA8911 N Capital of Texas Hwy #2310 | Austin, TX 78759 | tetratech.com

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**TETRA TECH**

Chavira, Lisbeth

From: OCDOnline@state.nm.us
Sent: Thursday, April 11, 2024 9:02 AM
To: Llull, Christian
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 332304

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

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2402054344.

The sampling event is expected to take place:

When: 04/15/2024 @ 13:00

Where: N-25-26S-31E 0 FNL 0 FEL (32.007,-103.734)

Additional Information: Contact Sam Abbott at 512-739-7874

Additional Instructions: Approximate Release Point: 32.006812°, -103.733527°

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

Chavira, Lisbeth

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Wednesday, April 24, 2024 12:33 PM
To: Abbott, Sam
Cc: Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD; Velez, Nelson, EMNRD
Subject: Extension Request - Golden Spur Fed 1Y Tank Battery Release (NAPP2402054344)

You don't often get email from robert.hamlet@emnrd.nm.gov. [Learn why this is important](#)

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

RE: Incident #NAPP2402054344

Samantha,

OCD Permitting has been revamped recently and automatically defaults to 90 days for a Remediation Closure Report Extension, which this appears to be. An extension to **July 23rd, 2024** is approved. Please include this e-mail correspondence in the Remediation Closure Report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, April 24, 2024 11:14 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request - Golden Spur Fed 1Y Tank Battery Release (NAPP2402054344)

From: Abbott, Sam <Sam.Abbott@tetrattech.com>
Sent: Wednesday, April 24, 2024 10:48 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Extension Request - Golden Spur Fed 1Y Tank Battery Release (NAPP2402054344)

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

To Whom it May Concern,

On behalf of ConocoPhillips, Tetra Tech is requesting a 30-day extension (until May 19, 2024) to complete reporting for the **Golden Spur Fed 1Y Tank Battery Release (NAPP2402054344)**.

The Notification of Release (NOR) for this release was received by NMOCD on January 20, 2024. ConocoPhillips immediately commenced pursuing a 90-day (April 19, 2024) release characterization and closure per 19.15.29.11(A) NMAC.

On February 8, 2024, Tetra Tech personnel were on site to perform the liner inspection and assess the release. The liner inspection notification was submitted to the NMOCD on February 5, 2024. A total of eight hand auger borings were installed around and within the release footprint, and the release was fully delineated for all Table 1 constituents.

On April 15 through April 17, 2024, Tetra Tech personnel were on site to perform the remedial activities and conduct final confirmation sampling. The Notification of Final Sampling of a Release (C-141N) was submitted to the NMOCD on April 11, 2024.

The closure report is now in draft. A complete report will be submitted to the NMOCD within the requested timeframe.

Thank you in advance.

Sam

Samantha Abbott, PG | Project Manager

Direct Mobile +1 (512) 739-7874 | Business +1 (512) 338-1667 | Sam.Abbott@tetrattech.com

Tetra Tech, Inc. | *Leading with Science*® | OGA

8911 N Capital of Texas Hwy #2310 | Austin, TX 78759 | [tetrattech.com](https://www.tetrattech.com)

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TETRA TECH

APPENDIX C

Site Characterization Data

Water Bodies



3/13/2024, 5:05:23 PM



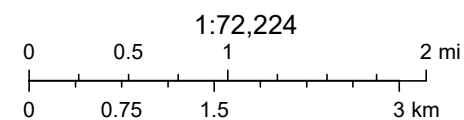
Override 1



OSE Streams



OCD Districts



Earthstar Geographics, OCD, NM OSE



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02274		CUB	LE	2	1	2	31	26S	32E	621742	3541730*	2126	300	295	5
C 04801 POD1		C	ED	1	2	4	13	26S	31E	620284	3545858	4022	300		
C 03537 POD1		CUB	LE	3	2	3	21	26S	32E	624250	3543985	5080	850		
C 02271 POD2		CUB	LE	3	2	3	21	26S	32E	624348	3544010*	5179	270	250	20
C 02323		C	LE	3	2	3	21	26S	32E	624348	3544010*	5179	405	405	0
C 03595 POD1		CUB	LE	4	2	3	21	26S	32E	624423	3544045	5262	280	180	100
C 04769 POD1		CUB	ED	2	1	2	21	26S	31E	615225	3544832	5289	101		
C 02271	R	CUB	LE		2	3	21	26S	32E	624449	3544111*	5313	150	125	25
C 02090		C	ED		4	4	01	26S	31E	620329	3548533*	6679	350	335	15
C 04637 POD1		CUB	ED	4	4	3	02	26S	31E	618068	3548423	6714	51		
C 04209 POD1		CUB	LE	2	3	3	06	26S	32E	620903	3548619	6849	360	155	205
C 04209 POD2		C	LE	2	3	3	06	26S	32E	620818	3548657	6871	340	155	185
C 04700 POD1		CUB	ED	2	1	2	10	26S	31E	616736	3548154	6896			
C 03554 POD2		CUB	ED	2	2	4	01	26S	31E	620527	3549105	7270	650	355	295
C 03554 POD1		CUB	ED	2	1	4	01	26S	31E	620547	3549148	7316	630	300	330
C 03829 POD1		CUB	LE	3	3	1	06	26S	32E	620628	3549186	7364	646	350	296
C 04256 POD1		C	ED	4	4	2	01	26S	31E	620384	3549257	7405	666	340	326
C 03639 POD1		CUB	ED	3	4	2	01	26S	31E	620168	3549279	7408	700	365	335

Average Depth to Water: **277 feet**

Minimum Depth: **125 feet**

Maximum Depth: **405 feet**

Record Count: 18

UTMNAD83 Radius Search (in meters):

Easting (X): 619621.471

Northing (Y): 3541890.961

Radius: 8050

*UTM location was derived from PLSS - see Help

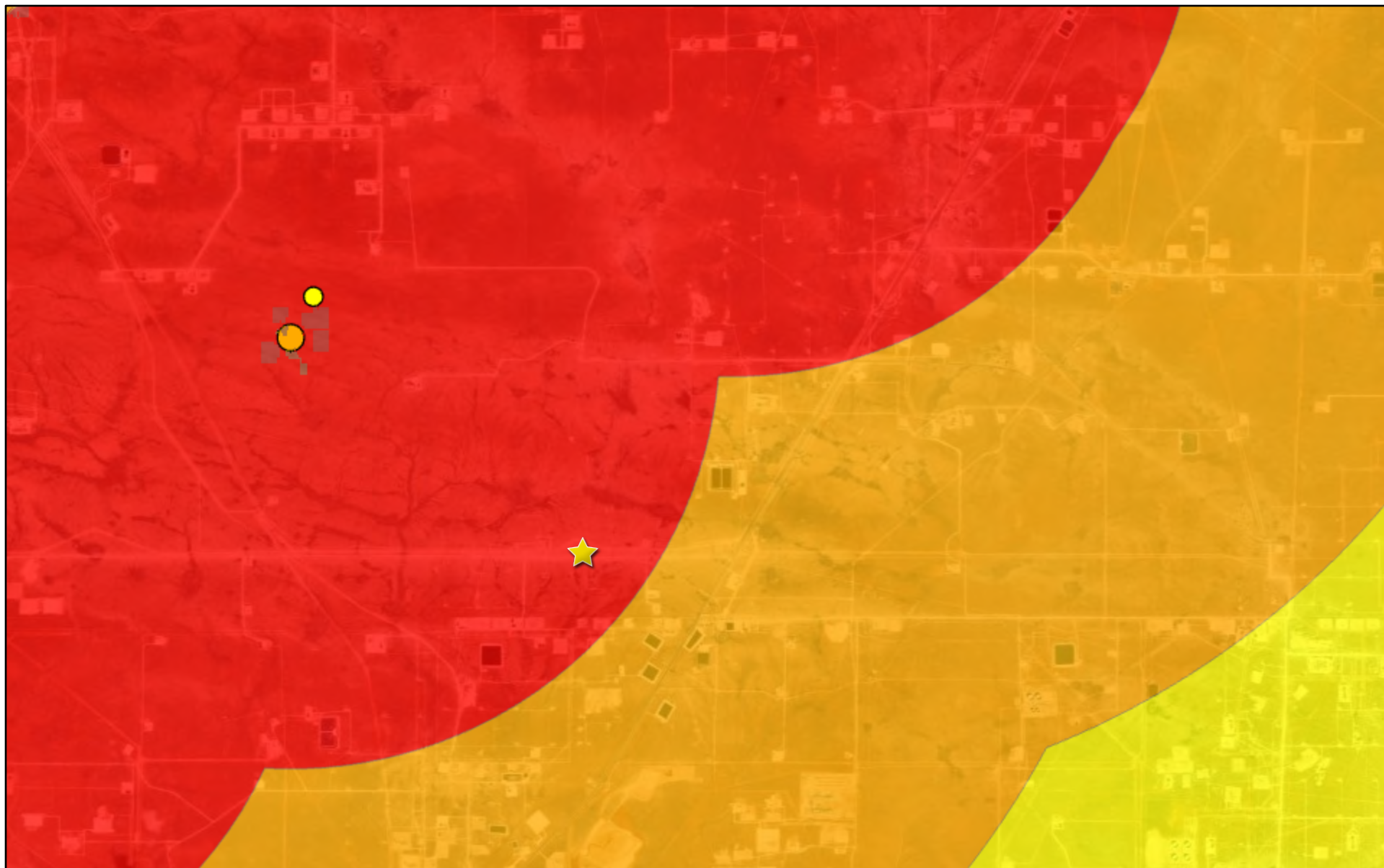
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/14/24 12:34 PM

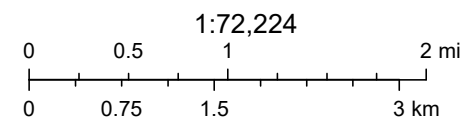
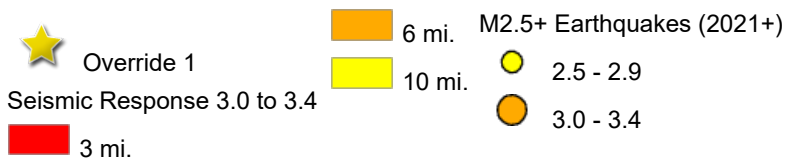
Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Induced Seismicity



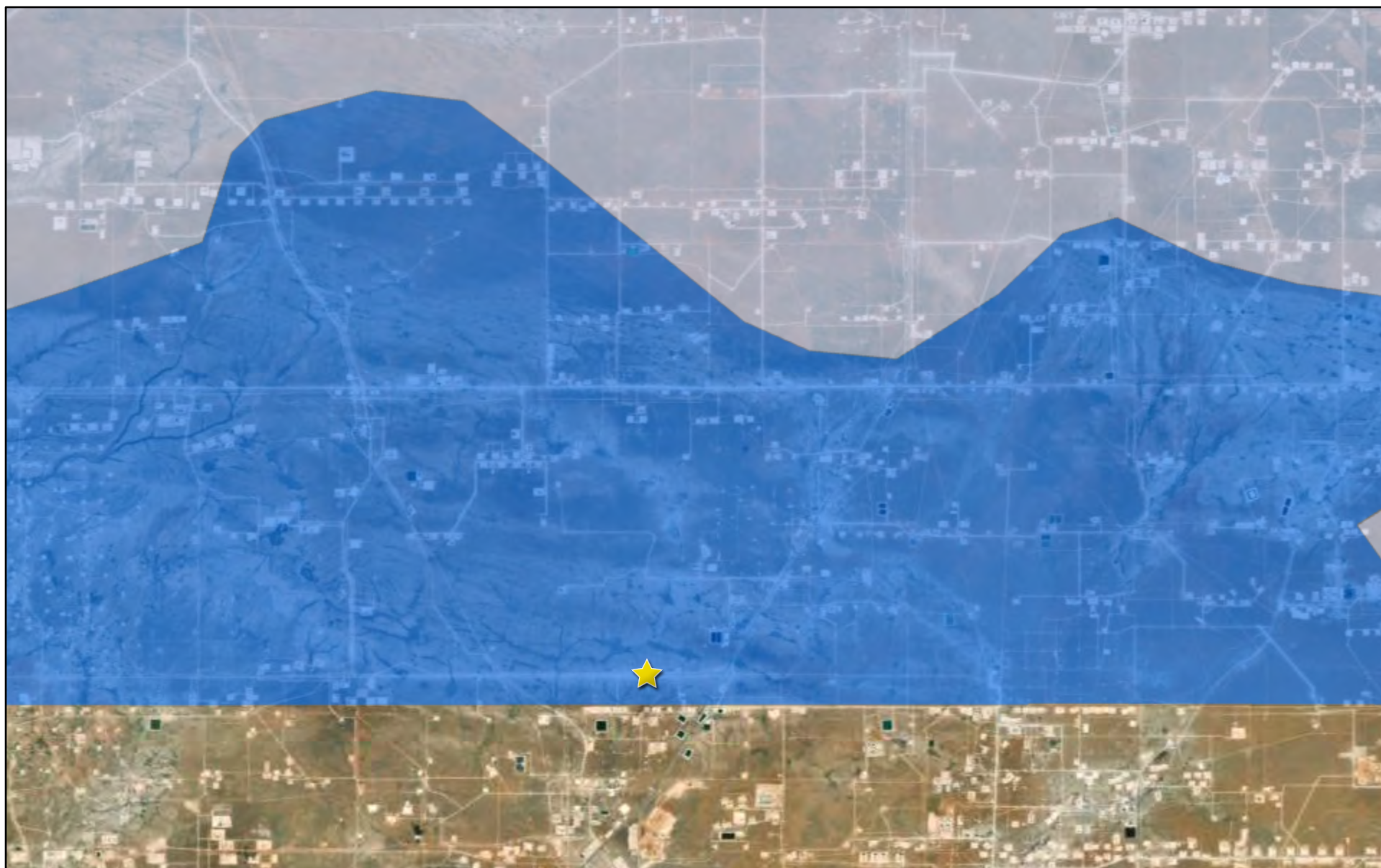
3/13/2024, 5:19:24 PM



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

New Mexico Oil Conservation Division

Karst



3/13/2024, 5:18:28 PM



Override 1

Karst Occurrence Potential

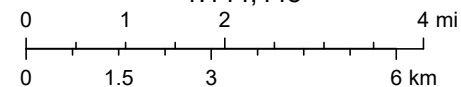


Medium



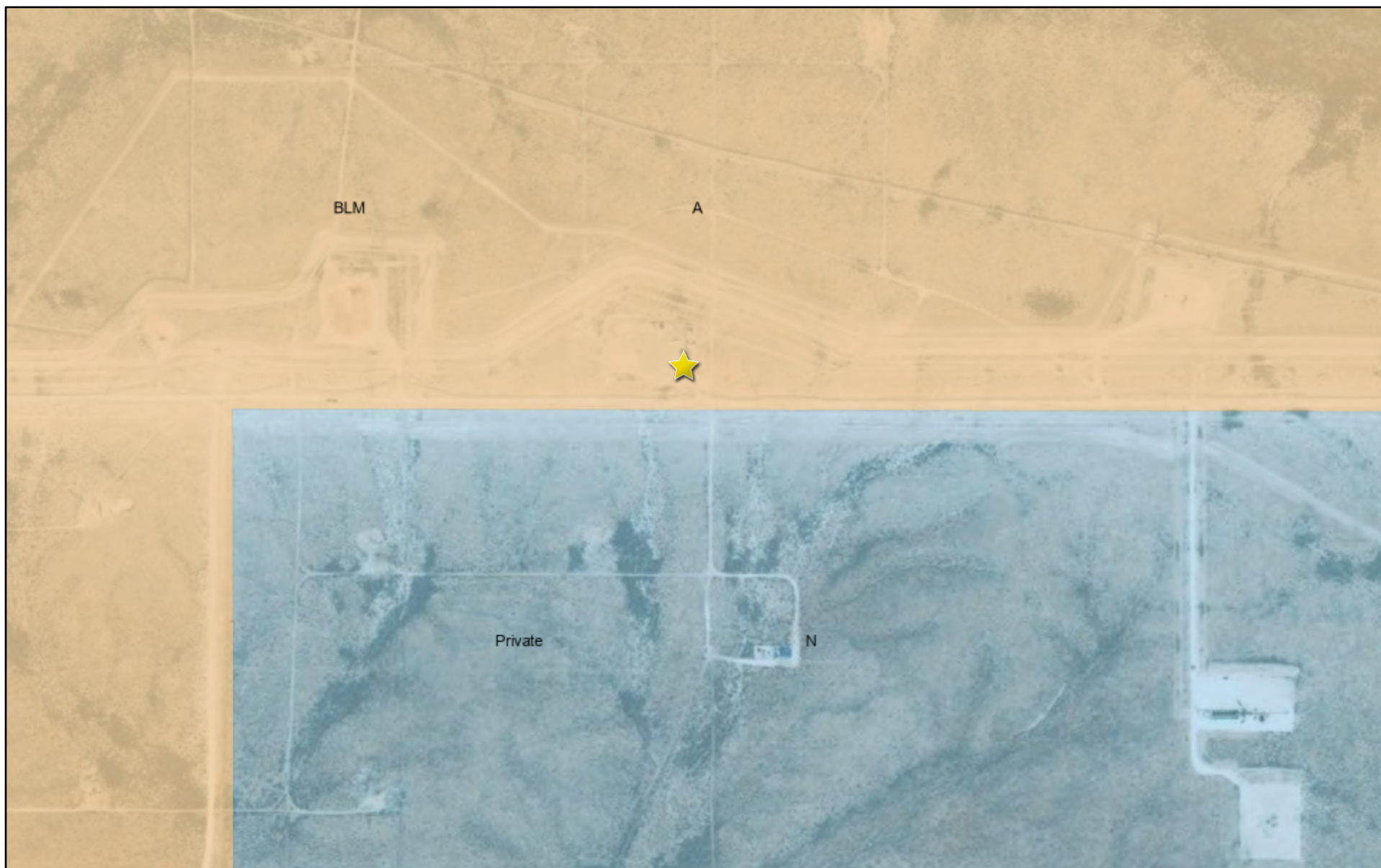
Low

1:144,448



BLM, OCD, New Mexico Tech, Earthstar Geographics

Land Ownership



3/13/2024, 5:14:17 PM



Override 1

Mineral Ownership

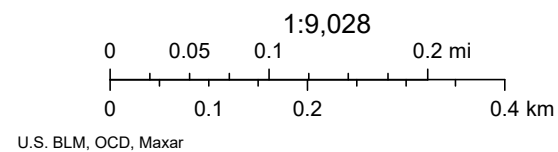
A-All minerals are owned by U.S.

N-No minerals are owned by the U.S.

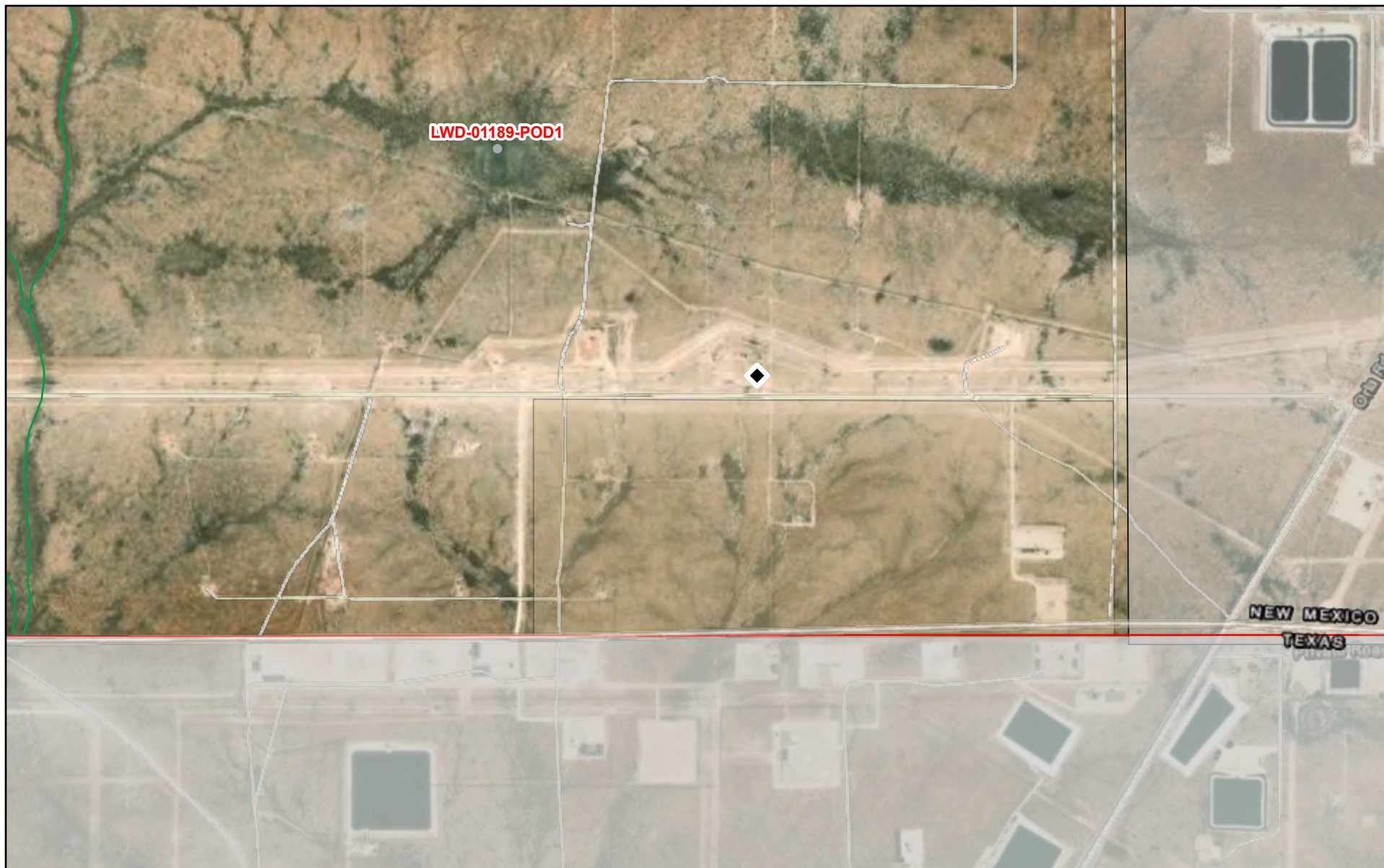
Land Ownership

BLM

P



OSE POD Location Map



3/14/2024, 1:38:04 PM

GIS WATERS PODs

Water Right Regulations

NHD Flowlines

● GIS WATERS PODs

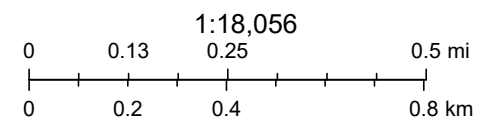
□ Closure Area

— Stream River

□ OSE District Boundary

□ New Mexico State Trust Lands

□ Subsurface Estate



Esri, HERE, IPC, Esri, HERE, Garmin, IPC, Maxar

Online web user

This is an unofficial map from the OSE's online application.

APPENDIX D

Photographic Documentation



TETRA TECH, INC. PROJECT NO. 212C-MD-03368	DESCRIPTION	View south. View of release.	1
	SITE NAME	Golden Spur Fed 1Y Release	1/20/2024



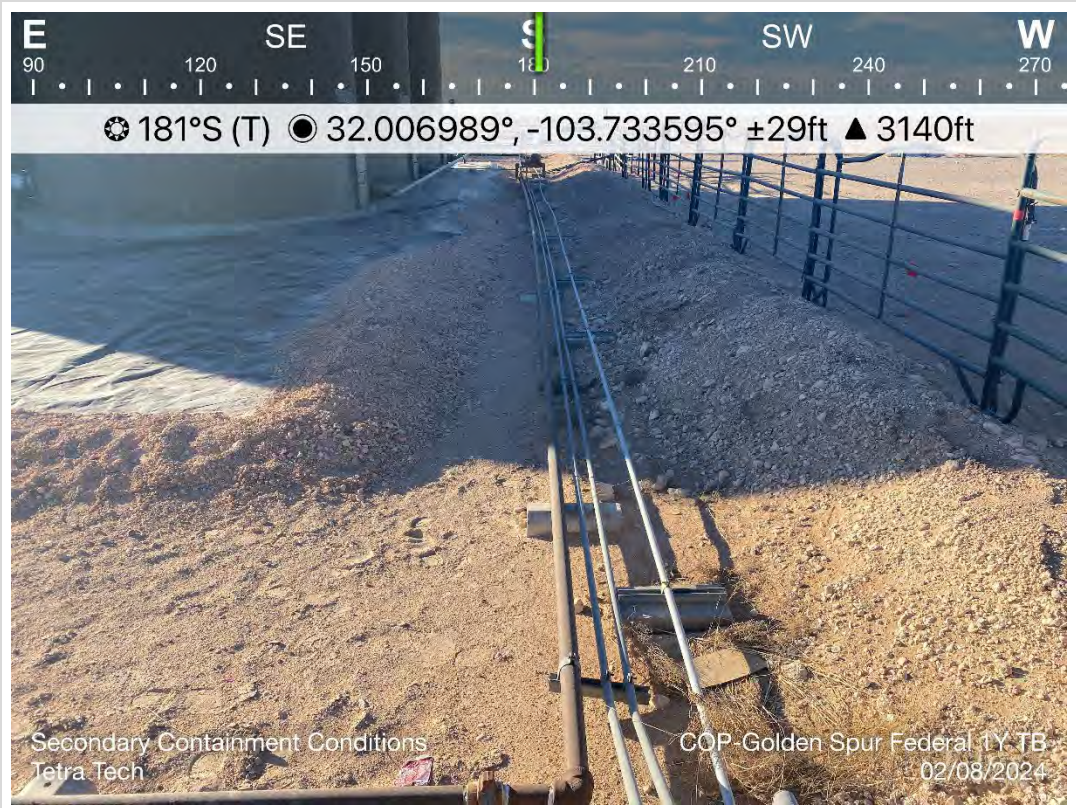
TETRA TECH, INC. PROJECT NO. 212C-MD-03368	DESCRIPTION	View south of release.	2
	SITE NAME	Golden Spur Fed 1Y Release	1/20/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03368	DESCRIPTION	View west of release.	3
	SITE NAME	Golden Spur Fed 1Y Release	1/20/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03368	DESCRIPTION	View south of release.	4
	SITE NAME	Golden Spur Fed 1Y Release	1/20/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03368	DESCRIPTION	View south. View of release area after initial response activities.	5
	SITE NAME	Golden Spur Fed 1Y Release	2/8/2024



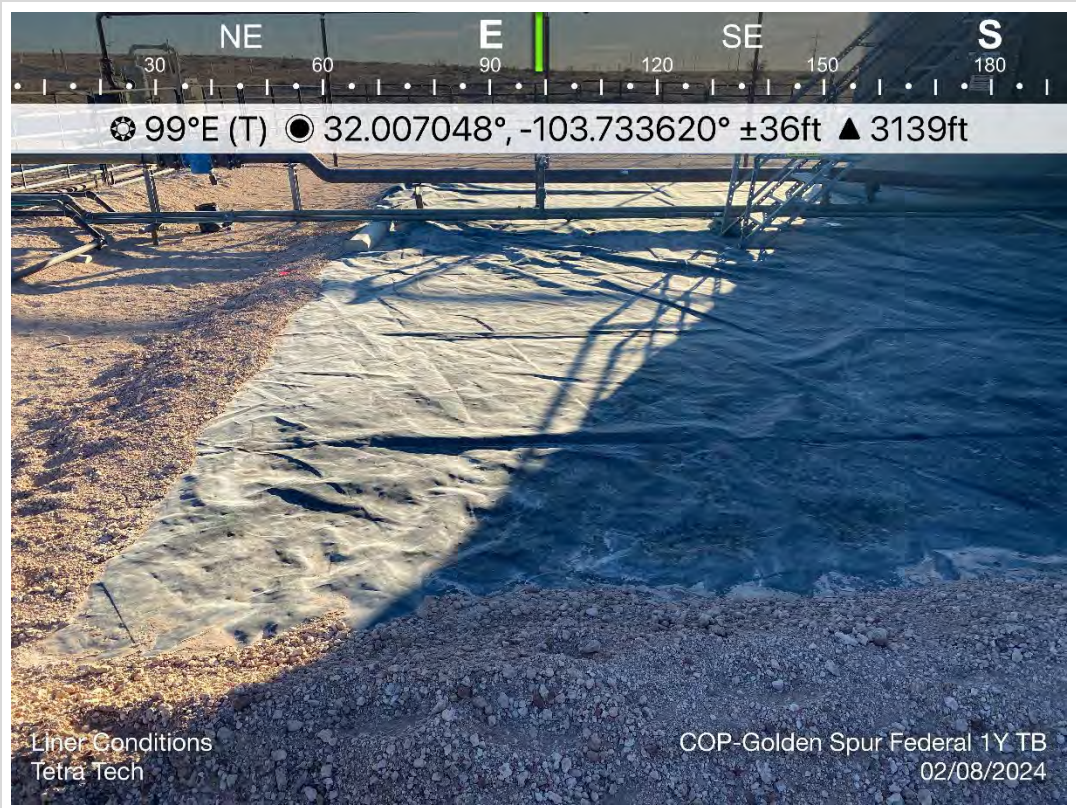
TETRA TECH, INC. PROJECT NO. 212C-MD-03368	DESCRIPTION	View southeast. View of release area after initial response activities.	6
	SITE NAME	Golden Spur Fed 1Y Release	2/8/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03368	DESCRIPTION	View south. View of release area after initial response activities.	7
	SITE NAME	Golden Spur Fed 1Y Release	2/8/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03368	DESCRIPTION	View east. Plugged well. View of release area after initial response activities.	8
	SITE NAME	Golden Spur Fed 1Y Release	2/8/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03368	DESCRIPTION	View east. View of release area after initial response activities. Liner integrity intact.	9
	SITE NAME	Golden Spur Fed 1Y Release	2/8/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03368	DESCRIPTION	View south. View of release area after initial response activities. Liner integrity intact.	10
	SITE NAME	Golden Spur Fed 1Y Release	9/8/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-03368	DESCRIPTION	View southwest. View of release area after initial response activities. Liner integrity intact.	11
	SITE NAME	Golden Spur Fed 1Y Release	2/8/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03368	DESCRIPTION	View southeast. View of release area after initial response activities. Liner integrity intact.	12
	SITE NAME	Golden Spur Fed 1Y Release	2/8/2024



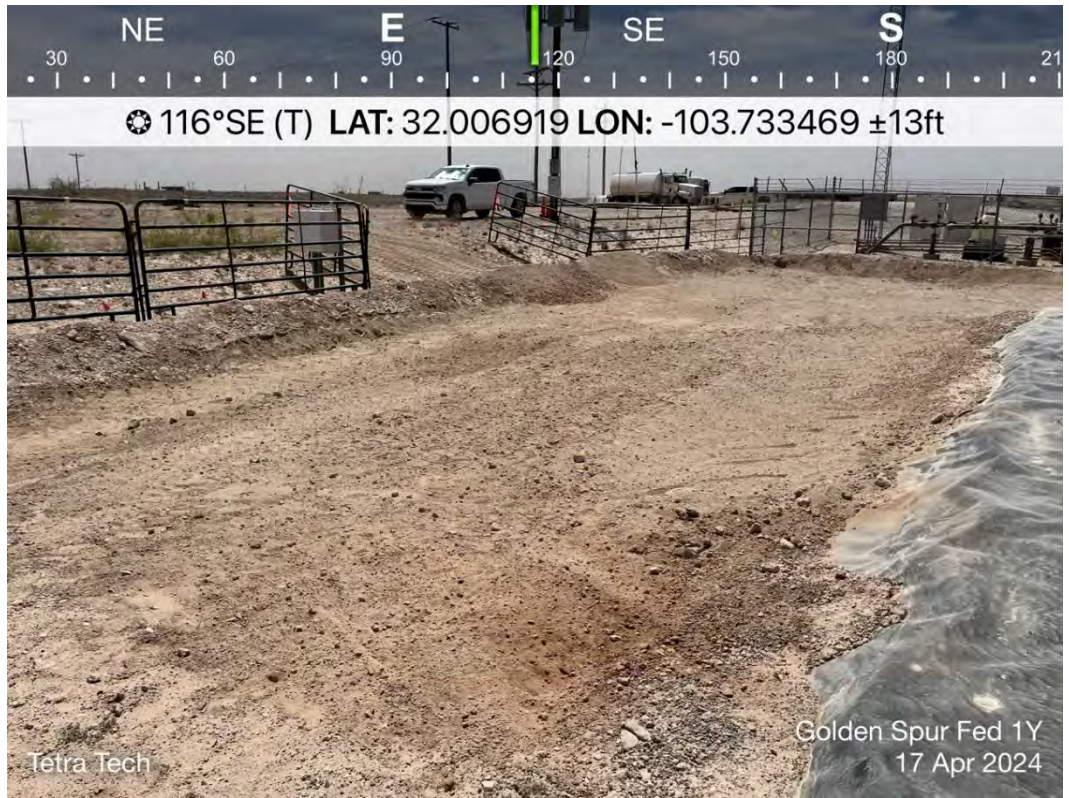
TETRA TECH, INC. PROJECT NO. 212C-MD-03368	DESCRIPTION	View north. View of release area after initial response activities. Liner integrity intact.	13
	SITE NAME	Golden Spur Fed 1Y Release	2/8/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-02832	DESCRIPTION	View north. View of release area after initial response activities. Liner integrity intact.	14
	SITE NAME	Golden Spur Fed 1Y Release	9/8/2022



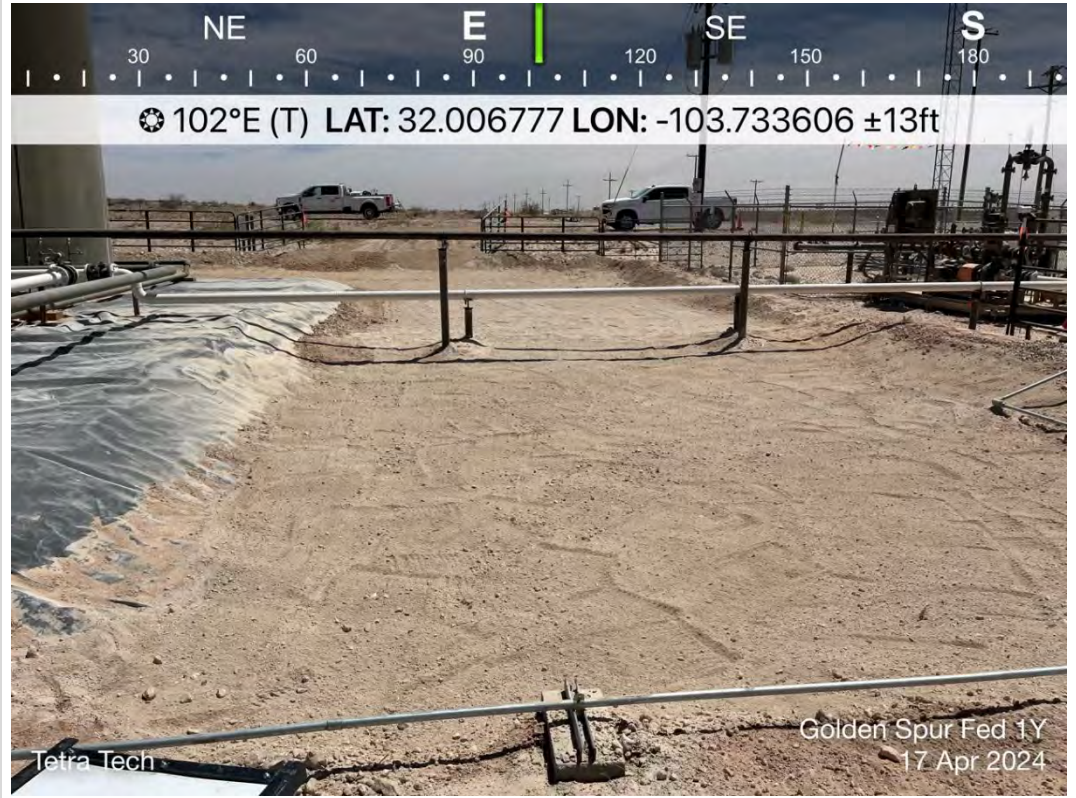
TETRA TECH, INC. PROJECT NO. 212C-MD-03368	DESCRIPTION	View north. View of 1-foot excavated area.	15
	SITE NAME	Golden Spur Fed 1Y Release	4/16/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03368	DESCRIPTION	View east. View of excavation activities.	16
	SITE NAME	Golden Spur Fed 1Y Release	4/17/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03368	DESCRIPTION	View northeast. View of production equipment and backfilled excavated area.	17
	SITE NAME	Golden Spur Fed 1Y Release	4/17/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03368	DESCRIPTION	View east. View of production equipment and backfilled excavated area.	18
	SITE NAME	Golden Spur Fed 1Y Release	4/17/2024

APPENDIX E

Laboratory Analytical Data



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

February 13, 2024

SAM ABBOTT

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: GOLDEN SPUR FEDERAL 1Y TANK BATTERY RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 02/08/24 12:38.

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.

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 style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/08/2024	Sampling Date:	02/08/2024
Reported:	02/13/2024	Sampling Type:	Soil
Project Name:	GOLDEN SPUR FEDERAL 1Y TANK BATTE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03368	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH -1 (0-1') (H240616-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/09/2024	ND	2.00	100	2.00	3.54		
Toluene*	<0.050	0.050	02/09/2024	ND	1.98	99.2	2.00	1.43		
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	2.02		
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.08	101	6.00	2.04		
Total BTX	<0.300	0.300	02/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	2840	16.0	02/12/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	201	100	200	0.298	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	215	107	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 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
 SAM ABBOTT
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	02/08/2024	Sampling Date:	02/08/2024
Reported:	02/13/2024	Sampling Type:	Soil
Project Name:	GOLDEN SPUR FEDERAL 1Y TANK BATTE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03368	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH -1 (1-2') (H240616-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/09/2024	ND	2.00	100	2.00	3.54		
Toluene*	<0.050	0.050	02/09/2024	ND	1.98	99.2	2.00	1.43		
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	2.02		
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.08	101	6.00	2.04		
Total BTEX	<0.300	0.300	02/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	320	16.0	02/12/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	201	100	200	0.298		
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	215	107	200	0.817		
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND						

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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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
 SAM ABBOTT
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	02/08/2024	Sampling Date:	02/08/2024
Reported:	02/13/2024	Sampling Type:	Soil
Project Name:	GOLDEN SPUR FEDERAL 1Y TANK BATTE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03368	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH -2 (0-1') (H240616-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/09/2024	ND	2.00	100	2.00	3.54		
Toluene*	<0.050	0.050	02/09/2024	ND	1.98	99.2	2.00	1.43		
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	2.02		
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.08	101	6.00	2.04		
Total BTEX	<0.300	0.300	02/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	2320	16.0	02/12/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	201	100	200	0.298	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	215	107	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Analytical Results For:

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

Received:	02/08/2024	Sampling Date:	02/08/2024
Reported:	02/13/2024	Sampling Type:	Soil
Project Name:	GOLDEN SPUR FEDERAL 1Y TANK BATTE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03368	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH -2 (1-2') (H240616-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/09/2024	ND	2.00	100	2.00	3.54		
Toluene*	<0.050	0.050	02/09/2024	ND	1.98	99.2	2.00	1.43		
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	2.02		
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.08	101	6.00	2.04		
Total BTEx	<0.300	0.300	02/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	256	16.0	02/12/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	201	100	200	0.298	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	215	107	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/08/2024	Sampling Date:	02/08/2024
Reported:	02/13/2024	Sampling Type:	Soil
Project Name:	GOLDEN SPUR FEDERAL 1Y TANK BATTE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03368	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH -3 (0-1') (H240616-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/09/2024	ND	2.00	100	2.00	3.54		
Toluene*	<0.050	0.050	02/09/2024	ND	1.98	99.2	2.00	1.43		
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	2.02		
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.08	101	6.00	2.04		
Total BTEx	<0.300	0.300	02/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	1470	16.0	02/12/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	201	100	200	0.298	
DRO >C10-C28*	135	10.0	02/09/2024	ND	215	107	200	0.817	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/08/2024	Sampling Date:	02/08/2024
Reported:	02/13/2024	Sampling Type:	Soil
Project Name:	GOLDEN SPUR FEDERAL 1Y TANK BATTE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03368	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH -3 (1-1.5') (H240616-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/09/2024	ND	2.00	100	2.00	3.54		
Toluene*	<0.050	0.050	02/09/2024	ND	1.98	99.2	2.00	1.43		
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	2.02		
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.08	101	6.00	2.04		
Total BTEX	<0.300	0.300	02/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	544	16.0	02/12/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	188	93.9	200	0.0389	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	194	96.9	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane 70.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/08/2024	Sampling Date:	02/08/2024
Reported:	02/13/2024	Sampling Type:	Soil
Project Name:	GOLDEN SPUR FEDERAL 1Y TANK BATTE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03368	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH -3 (1.5-2') (H240616-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/09/2024	ND	2.00	100	2.00	3.54		
Toluene*	<0.050	0.050	02/09/2024	ND	1.98	99.2	2.00	1.43		
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	2.02		
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.08	101	6.00	2.04		
Total BTEX	<0.300	0.300	02/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	560	16.0	02/12/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	188	93.9	200	0.0389	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	194	96.9	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane 77.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/08/2024	Sampling Date:	02/08/2024
Reported:	02/13/2024	Sampling Type:	Soil
Project Name:	GOLDEN SPUR FEDERAL 1Y TANK BATTE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03368	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH -4 (0-1') (H240616-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/09/2024	ND	2.00	100	2.00	3.54		
Toluene*	<0.050	0.050	02/09/2024	ND	1.98	99.2	2.00	1.43		
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	2.02		
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.08	101	6.00	2.04		
Total BTEx	<0.300	0.300	02/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	176	16.0	02/12/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	188	93.9	200	0.0389	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	194	96.9	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane 60.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 57.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/08/2024	Sampling Date:	02/08/2024
Reported:	02/13/2024	Sampling Type:	Soil
Project Name:	GOLDEN SPUR FEDERAL 1Y TANK BATTE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03368	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH -5 (0-1') (H240616-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/09/2024	ND	1.96	98.2	2.00	0.981		
Toluene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	0.333		
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.04	102	2.00	0.0314		
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.17	103	6.00	0.251		
Total BTEX	<0.300	0.300	02/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	256	16.0	02/12/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	188	93.9	200	0.0389	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	194	96.9	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane 70.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/08/2024	Sampling Date:	02/08/2024
Reported:	02/13/2024	Sampling Type:	Soil
Project Name:	GOLDEN SPUR FEDERAL 1Y TANK BATTE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03368	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH -6 (0-1') (H240616-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2024	ND	1.96	98.2	2.00	0.981	
Toluene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	0.333	
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.04	102	2.00	0.0314	
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.17	103	6.00	0.251	
Total BTEx	<0.300	0.300	02/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	02/12/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	188	93.9	200	0.0389	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	194	96.9	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane 67.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.2 % 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
 SAM ABBOTT
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	02/08/2024	Sampling Date:	02/08/2024
Reported:	02/13/2024	Sampling Type:	Soil
Project Name:	GOLDEN SPUR FEDERAL 1Y TANK BATTE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03368	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH -7 (0-1') (H240616-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/09/2024	ND	1.96	98.2	2.00	0.981		
Toluene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	0.333		
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.04	102	2.00	0.0314		
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.17	103	6.00	0.251		
Total BTEX	<0.300	0.300	02/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	240	16.0	02/09/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	188	93.9	200	0.0389	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	194	96.9	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane 74.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/08/2024	Sampling Date:	02/08/2024
Reported:	02/13/2024	Sampling Type:	Soil
Project Name:	GOLDEN SPUR FEDERAL 1Y TANK BATTE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03368	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH -8 (0-1') (H240616-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/09/2024	ND	1.96	98.2	2.00	0.981		
Toluene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	0.333		
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.04	102	2.00	0.0314		
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.17	103	6.00	0.251		
Total BTEx	<0.300	0.300	02/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	02/09/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	188	93.9	200	0.0389	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	194	96.9	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane 73.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Tetra Tech Project Manager: Sam Abbott Address: 8911 Capital of Texas Hwy, Suite 2310 City: Austin State: TX Zip: _____ Phone #: (512)565-0190 Fax #: _____ Project #: 212C-MD-03368 Project Owner: ConocoPhillips Project Name: Golden Spur Federal 1V Tank Battery Release Project Location: Eddy County, New Mexico Sampler Name: Colton Bickstaff Phone #: _____ Lab I.D.: _____ Fax #: _____				BILL TO P.O. #: _____ Company: Tetra Tech Attn: Sam Abbott Address: EMAIL City: _____ State: _____ Zip: _____				ANALYSIS REQUEST											
FOR LAB USE ONLY																			
Sample I.D. H240616		(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE : ICE / COOL OTHER :		MATRIX PRESERV.		SAMPLING		DATE TIME		TPH 8015M		BTEX 8021B		Chloride SM4500Cl-B					
1 AH-1 (0-1')		G 1		X		X		X		X		X		X					
2 AH-1 (1'-2')		G 1		X		X		X		X		X		X					
3 AH-2 (0-1')		G 1		X		X		X		X		X		X					
4 AH-2 (1'-2')		G 1		X		X		X		X		X		X					
5 AH-3 (0-1')		G 1		X		X		X		X		X		X					
6 AH-3 (1'-1.5')		G 1		X		X		X		X		X		X					
7 AH-3 (1.5'-2')		G 1		X		X		X		X		X		X					
8 AH-4 (0-1')		G 1		X		X		X		X		X		X					
9 AH-5 (0-1')		G 1		X		X		X		X		X		X					
10 AH-6 (0-1')		G 1		X		X		X		X		X		X					
AASHTO T-261, T-262, T-263, T-264, T-265, T-266, T-267, T-268, T-269, T-270, T-271, T-272, T-273, T-274, T-275, T-276, T-277, T-278, T-279, T-280, T-281, T-282, T-283, T-284, T-285, T-286, T-287, T-288, T-289, T-290, T-291, T-292, T-293, T-294, T-295, T-296, T-297, T-298, T-299, T-300, T-301, T-302, T-303, T-304, T-305, T-306, T-307, T-308, T-309, T-310, T-311, T-312, T-313, T-314, T-315, T-316, T-317, T-318, T-319, T-320, T-321, T-322, T-323, T-324, T-325, T-326, T-327, T-328, T-329, T-330, T-331, T-332, T-333, T-334, T-335, T-336, T-337, T-338, T-339, T-340, T-341, T-342, T-343, T-344, T-345, T-346, T-347, T-348, T-349, T-350, T-351, T-352, T-353, T-354, T-355, T-356, T-357, T-358, T-359, T-360, T-361, T-362, T-363, T-364, T-365, T-366, T-367, T-368, T-369, T-370, T-371, T-372, T-373, T-374, T-375, T-376, T-377, T-378, T-379, T-380, T-381, T-382, T-383, T-384, T-385, T-386, T-387, T-388, T-389, T-390, T-391, T-392, T-393, T-394, T-395, T-396, T-397, T-398, T-399, T-400, T-401, T-402, T-403, T-404, T-405, T-406, T-407, T-408, T-409, T-410, T-411, T-412, T-413, T-414, T-415, T-416, T-417, T-418, T-419, T-420, T-421, T-422, T-423, T-424, T-425, T-426, T-427, T-428, T-429, T-430, T-431, T-432, T-433, T-434, T-435, T-436, T-437, T-438, T-439, T-440, T-441, T-442, T-443, T-444, T-445, T-446, T-447, T-448, T-449, T-450, T-451, T-452, T-453, T-454, T-455, T-456, T-457, T-458, T-459, T-460, T-461, T-462, T-463, T-464, T-465, T-466, T-467, T-468, T-469, T-470, T-471, T-472, T-473, T-474, T-475, T-476, T-477, T-478, T-479, T-480, T-481, T-482, T-483, T-484, T-485, T-486, T-487, T-488, T-489, T-490, T-491, T-492, T-493, T-494, T-495, T-496, T-497, T-498, T-499, T-500, T-501, T-502, T-503, T-504, T-505, T-506, T-507, T-508, T-509, T-510, T-511, T-512, T-513, T-514, T-515, T-516, T-517, T-518, T-519, T-520, T-521, T-522, T-523, T-524, T-525, T-526, T-527, T-528, T-529, T-530, T-531, T-532, T-533, T-534, T-535, T-536, T-537, T-538, T-539, T-540, T-541, T-542, T-543, T-544, T-545, T-546, T-547, T-548, T-549, T-550, T-551, T-552, T-553, T-554, T-555, T-556, T-557, T-558, T-559, T-560, T-561, T-562, T-563, T-564, T-565, T-566, T-567, T-568, T-569, T-570, T-571, T-572, T-573, T-574, T-575, T-576, T-577, T-578, T-579, T-580, T-581, T-582, T-583, T-584, T-585, T-586, T-587, T-588, T-589, T-590, T-591, T-592, T-593, T-594, T-595, T-596, T-																			



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]



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

April 16, 2024

SAM ABBOTT

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: GOLDEN SPUR FEDERAL 1Y TANK BATTERY RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 04/15/24 15:57.

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.

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 style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/15/2024	Sampling Date:	04/15/2024
Reported:	04/16/2024	Sampling Type:	Soil
Project Name:	GOLDEN SPUR FEDERAL 1Y TANK BATTE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03368	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: NSW - 1 (H241975-01)

BTEX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2024	ND	2.11	106	2.00	4.56	
Toluene*	0.054	0.050	04/15/2024	ND	2.11	105	2.00	4.58	
Ethylbenzene*	<0.050	0.050	04/15/2024	ND	2.04	102	2.00	4.69	
Total Xylenes*	<0.150	0.150	04/15/2024	ND	6.25	104	6.00	4.15	
Total BTEX	<0.300	0.300	04/15/2024	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: CT				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	04/16/2024	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2024	ND	191	95.7	200	1.48	
DRO >C10-C28*	<10.0	10.0	04/15/2024	ND	185	92.4	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	04/15/2024	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/15/2024	Sampling Date:	04/15/2024
Reported:	04/16/2024	Sampling Type:	Soil
Project Name:	GOLDEN SPUR FEDERAL 1Y TANK BATTE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03368	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: ESW - 1 (H241975-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2024	ND	2.11	106	2.00	4.56	
Toluene*	<0.050	0.050	04/15/2024	ND	2.11	105	2.00	4.58	
Ethylbenzene*	<0.050	0.050	04/15/2024	ND	2.04	102	2.00	4.69	
Total Xylenes*	<0.150	0.150	04/15/2024	ND	6.25	104	6.00	4.15	
Total BTEX	<0.300	0.300	04/15/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/16/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2024	ND	191	95.7	200	1.48	
DRO >C10-C28*	<10.0	10.0	04/15/2024	ND	185	92.4	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	04/15/2024	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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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
 SAM ABBOTT
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	04/15/2024	Sampling Date:	04/15/2024
Reported:	04/16/2024	Sampling Type:	Soil
Project Name:	GOLDEN SPUR FEDERAL 1Y TANK BATTE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03368	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: WSW - 1 (H241975-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2024	ND	2.11	106	2.00	4.56	
Toluene*	<0.050	0.050	04/15/2024	ND	2.11	105	2.00	4.58	
Ethylbenzene*	<0.050	0.050	04/15/2024	ND	2.04	102	2.00	4.69	
Total Xylenes*	<0.150	0.150	04/15/2024	ND	6.25	104	6.00	4.15	
Total BTEX	<0.300	0.300	04/15/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/16/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2024	ND	191	95.7	200	1.48	
DRO >C10-C28*	<10.0	10.0	04/15/2024	ND	185	92.4	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	04/15/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

Cardinal Laboratories

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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
 SAM ABBOTT
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	04/15/2024	Sampling Date:	04/15/2024
Reported:	04/16/2024	Sampling Type:	Soil
Project Name:	GOLDEN SPUR FEDERAL 1Y TANK BATTE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03368	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: SSW - 1 (H241975-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2024	ND	2.11	106	2.00	4.56		
Toluene*	<0.050	0.050	04/15/2024	ND	2.11	105	2.00	4.58		
Ethylbenzene*	<0.050	0.050	04/15/2024	ND	2.04	102	2.00	4.69		
Total Xylenes*	<0.150	0.150	04/15/2024	ND	6.25	104	6.00	4.15		
Total BTEX	<0.300	0.300	04/15/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	04/16/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2024	ND	191	95.7	200	1.48	
DRO >C10-C28*	<10.0	10.0	04/15/2024	ND	185	92.4	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	04/15/2024	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/15/2024	Sampling Date:	04/15/2024
Reported:	04/16/2024	Sampling Type:	Soil
Project Name:	GOLDEN SPUR FEDERAL 1Y TANK BATTE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03368	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: FS - 1 (H241975-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2024	ND	2.11	106	2.00	4.56		
Toluene*	<0.050	0.050	04/15/2024	ND	2.11	105	2.00	4.58		
Ethylbenzene*	<0.050	0.050	04/15/2024	ND	2.04	102	2.00	4.69		
Total Xylenes*	<0.150	0.150	04/15/2024	ND	6.25	104	6.00	4.15		
Total BTEX	<0.300	0.300	04/15/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/16/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2024	ND	191	95.7	200	1.48	
DRO >C10-C28*	<10.0	10.0	04/15/2024	ND	185	92.4	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	04/15/2024	ND					

Surrogate: 1-Chlorooctane 74.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/15/2024	Sampling Date:	04/15/2024
Reported:	04/16/2024	Sampling Type:	Soil
Project Name:	GOLDEN SPUR FEDERAL 1Y TANK BATTE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03368	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: FS - 2 (H241975-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2024	ND	2.11	106	2.00	4.56		
Toluene*	<0.050	0.050	04/15/2024	ND	2.11	105	2.00	4.58		
Ethylbenzene*	<0.050	0.050	04/15/2024	ND	2.04	102	2.00	4.69		
Total Xylenes*	<0.150	0.150	04/15/2024	ND	6.25	104	6.00	4.15		
Total BTEX	<0.300	0.300	04/15/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/16/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	191	95.7	200	1.48	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	185	92.4	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 75.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/15/2024	Sampling Date:	04/15/2024
Reported:	04/16/2024	Sampling Type:	Soil
Project Name:	GOLDEN SPUR FEDERAL 1Y TANK BATTE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03368	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: FS - 3 (H241975-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2024	ND	2.11	106	2.00	4.56		
Toluene*	<0.050	0.050	04/15/2024	ND	2.11	105	2.00	4.58		
Ethylbenzene*	<0.050	0.050	04/15/2024	ND	2.04	102	2.00	4.69		
Total Xylenes*	<0.150	0.150	04/15/2024	ND	6.25	104	6.00	4.15		
Total BTEX	<0.300	0.300	04/15/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/16/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	191	95.7	200	1.48	
DRO >C10-C28*	<10.0	10.0	04/16/2024	ND	185	92.4	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 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



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Conoco Phillips Project Manager: Sam Abbott Address: City: State: Zip: Phone #: Fax #: Project #: 2125 MD-03368 Project Owner: Project Name: Golden Spur Fed 1Y Project Location: Eddy Co, NM. Sampler Name: Andrew Garcia <small>FOR LAB USE ONLY</small>		P.O. #: Company: Tetra Tech Attn: Sam Abbott Address: City: State: Zip: Phone #: Fax #: Project #: 2125 MD-03368 Project Owner: Project Name: Golden Spur Fed 1Y Project Location: Eddy Co, NM. Sampler Name: Andrew Garcia <small>FOR LAB USE ONLY</small>	
Relinquished By: Andrew Garcia Relinquished By: Andrew Garcia Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: 3.4 Corrected Temp. °C: Sample Condition: Cool Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Bacteria (only) Sample Condition: <input checked="" type="checkbox"/> Bacteria (only) Sample Condition: <input type="checkbox"/> Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID: #140 Correction Factor: 0°C Corrected Temp. °C:	
Received By: Spectroscopy Date: 15 Apr 24 Time: 15:57 Received By: Spectroscopy Date: 15 Apr 24 Time: 15:57		Received By: Spectroscopy Date: 15 Apr 24 Time: 15:57 Received By: Spectroscopy Date: 15 Apr 24 Time: 15:57	

Sample I.D.	NSW-1 ESW-1 WSW-1 SSW-1 FS-1 FS-2 FS-3	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV	SAMPLING	TPH	BTX	Chlorides 4500	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER						ACID/BASE
15 Apr 24	NSW-1	G	1												
15 Apr 24	ESW-1	G	1												
15 Apr 24	WSW-1	G	1												
15 Apr 24	SSW-1	G	1												
15 Apr 24	FS-1	G	1												
15 Apr 24	FS-2	G	1												
15 Apr 24	FS-3	G	1												

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April 23, 2024

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: RAMIREZ & SONS PIT

Enclosed are the results of analyses for samples received by the laboratory on 04/17/24 14:48.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/17/2024	Sampling Date:	04/17/2024
Reported:	04/23/2024	Sampling Type:	Soil
Project Name:	RAMIREZ & SONS PIT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03368	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - NM (32.728454-103.193247)		

Sample ID: BACKFILL - COMPOSITE (H242044-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	8.92		
Toluene*	<0.050	0.050	04/19/2024	ND	2.13	106	2.00	7.08		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.04	102	2.00	6.71		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.17	103	6.00	6.24		
Total BTEX	<0.300	0.300	04/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/19/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/18/2024	ND	195	97.7	200	5.28	
DRO >C10-C28*	<10.0	10.0	04/18/2024	ND	196	98.0	200	7.66	
EXT DRO >C28-C36	<10.0	10.0	04/18/2024	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 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 "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

APPENDIX F

Waste Manifests



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JACOB LAIRD
AFE #:
PO #:
Manifest #: 01
Manif. Date: 4/16/2024
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M87
Card #
Job Ref #

Ticket #: 700-1554347
Bid #: O6UJ9A000JEC
Date: 4/16/2024
Generator: CONOCOPHILLIPS
Generator #: 40946
Well Ser. #: 39649
Well Name: GOLDEN SPUR FEDERAL
Well #: 001H 601y
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: _____



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Name Jacob Land

Phone No. 575-703-548

Operator No. <u>C-000 PL 11-PS</u>	GENERATOR	NO. <u>311699</u>
Operators Name _____	Permit/RRC No. _____	
Address _____	Lease/Well <u>6-10 Spc 02 1H</u>	
	Name & No. _____	
	County <u>DAV</u>	
City, State, Zip _____	API No. <u>7-5615 89649</u>	
Phone No. _____	Rig Name & No. _____	
	AFE/PO No. _____	

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____	
Water Based Cuttings _____	Produced Water (Non-Injectable) _____	
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____	
Tank Bottoms _____	INTERNAL USE ONLY	
E&P Contaminated Soil _____	Truck Washout (exempt waste) _____	
Gas Plant Waste _____		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINESNON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY	B-BARRELS	Y-YARDS	E-EACH
----------	-----------	---------	--------

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name <u>Marshall Petroleum</u>	Driver's Name <u>Josh Busby</u>
Address _____	Phone No. _____
Phone No. <u>575 387 0050</u>	Truck No. <u>1187</u>
	WHP No. _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: <u>1152 AM</u>	OUT: _____	Name/No. <u>07</u>
--------------------	------------	--------------------

Site Name/Permit No. <u>Red Bluff Facility / STF-065</u>	Phone No. <u>432-448-4239</u>
Address <u>5053 US Hwy 285, Orla, TX 79770</u>	

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (Circle One) YES NO
NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge	Feet	Inches	BS&W Received	BS&W (%)
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?
NAME (PRINT) M. H. Land DATE 4/16/24 TITLE OWNER SIGNATURE M. H. Land

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QUESTIONS

Action 345033

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	345033
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2402054344
Incident Name	NAPP2402054344 GOLDEN SPUR FEDERAL 1Y @ 0
Incident Type	Oil Release
Incident Status	Reclamation Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	GOLDEN SPUR FEDERAL 1Y
Date Release Discovered	01/20/2024
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: Other Other (Specify) Crude Oil Released: 34 BBL (Unknown Released Amount) Recovered: 30 BBL Lost: 4 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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QUESTIONS, Page 2

Action 345033

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	345033
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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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	N/A

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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 04/04/2024
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QUESTIONS, Page 3

Action 345033

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	345033
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

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	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 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 ½ and 1 (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 ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (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)	2840
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	135
GRO+DRO	(EPA SW-846 Method 8015M)	135
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	04/15/2024
On what date will (or did) the final sampling or liner inspection occur	02/08/2024
On what date will (or was) the remediation complete(d)	04/17/2024
What is the estimated surface area (in square feet) that will be reclaimed	1400
What is the estimated volume (in cubic yards) that will be reclaimed	61
What is the estimated surface area (in square feet) that will be remediated	1400
What is the estimated volume (in cubic yards) that will be remediated	61

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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QUESTIONS, Page 4

Action 345033

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	345033
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 05/16/2024
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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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QUESTIONS, Page 5

Action 345033

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 345033
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

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QUESTIONS, Page 6

Action 345033

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	345033
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	332304
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/15/2024
What was the (estimated) number of samples that were to be gathered	7
What was the sampling surface area in square feet	1335

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	1400
What was the total volume (cubic yards) remediated	61
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	1400
What was the total volume (in cubic yards) reclaimed	61
Summarize any additional remediation activities not included by answers (above)	Both liner inspection and remedial action performed. 3 floor samples and 4 sidewall samples. C-141N submitted. C-141L submitted.

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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 05/16/2024
--	---

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QUESTIONS, Page 7

Action 345033

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	345033
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	1400
What was the total volume of replacement material (in cubic yards) for this site	61
<i>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.</i>	
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)	05/15/2024
Summarize any additional reclamation activities not included by answers (above)	On-Pad areas will be reseeded at battery abandonment.
<i>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>	
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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 05/16/2024

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QUESTIONS, Page 8

Action 345033

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 345033
	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 345033

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 345033
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
scwells	Reclamation approved.	5/16/2024