



August 29, 2023

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

**RE: Closure Report
ConocoPhillips/COG Operating LLC
Super Cobra State Com #001H Flowline Release
Unit Letter P, Section 13, Township 19 South, Range 34 East
Lea County, New Mexico
Incident ID: nAPP2310336759**

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (ConocoPhillips) to assess a Heritage Concho (COG Operating Inc.) release that occurred from a flow line associated with the Super Cobra State Com 1H (API No. 30-025-41987). The release footprint is located in Public Land Survey System (PLSS) Unit Letter P, Section 13, Township 19 South, Range 34 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.656445°, -103.505552°, as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Initial Report, the release was caused by a pin hole in a produced water polyethylene flow line on March 30, 2023. Approximately 8.31 barrels (bbls) of produced water were released, of which approximately 1 bbl was recovered with a vacuum truck. The release impacted approximately 622 square feet of pasture adjacent to a lease road on State Land, as indicated on Figure 3. The NMOCD received the initial C-141 on April 13, 2023, and subsequently assigned the release the Incident ID nAPP2310336759. The initial C-141 form is included in Appendix A.

SITE CHARACTERIZATION

A site characterization was performed and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC). The Site is in an area of low karst potential. A New Mexico Office of the State Engineer (NMOSE) stream body is located approximately 60 feet east of the release extent.

There are no water wells listed in the New Mexico Office of the State Engineer (NMOSE) database located within approximately 0.5 miles (800 meters) of the Site. According to data from one well located approximately 0.57 miles (918 meters) from the Site, the depth to groundwater is 60 feet below ground surface (bgs). The site characterization data are presented in Appendix B.

TETRA TECH

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REGULATORY FRAMEWORK

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

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

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

LAND OWNERSHIP AND PERMITTING

The Site is located on land owned by the New Mexico State Land Office (NMSLO). Approval from the NMSLO is required prior to any intrusive work being completed at the Site. On behalf of ConocoPhillips, Tetra Tech contracted with SWCA Environmental Consultants (SWCA) to conduct an Archaeological Resources Management Section (ARMS) review for this inadvertent release. A literature and file search were conducted on May 3, 2023, using the State of New Mexico's New Mexico Cultural Resources Information System online database which included a review of known historic resources, including the built environment, Laboratory of Anthropology, and State/National Register listed properties. Other sources reviewed include the Bureau of Land Management (BLM) General Land Office (GLO) Records web site, <http://www.glorerecords.blm.gov>, which include land patent and general land office survey data. As this area was not settled by Spain, land grant records were not reviewed. The review was conducted for the Area of Potential Effect (APE) and 500 meters surrounding the APE. The land the proposed project is located on is part of the June 20, 1910: New Mexico Enabling Act (36 Stat. 557) patented on May 31, 1919.

The project area and surrounding 500 meters have been subject to fifteen (15) cultural resource surveys, five (5) of which are qualifying and three (3) previously recorded sites within the same review buffer (LA191696, LA 199334, and LA 202791), none of which fall within 100 feet of the proposed remediation area. The remediation area falls completely located on SLO-managed lands and is covered by three (3) qualifying surveys conducted within the last ten years (NMCRIS No. 134571, 141934, and 152694). SWCA did not recommend further survey at this location. Alissa Healy, SWCA Archaeologist, submitted an ARMS letter to the NMSLO on behalf of Tetra Tech and ConocoPhillips on May 8, 2023. The redacted ARMS review letter is included in Appendix C and was submitted to NMSLO by SWCA.

Based on guidance provided by NMSLO, Tetra Tech submitted an application for a Rule 12 (19.2.12 NMAC) 1-year Water /Soil Boring Exploration permit as well as a Cash Bond for Water Easement with associated fees. This permitting was requested by Faith Crosby and David Gallegos of the NMSLO to conduct assessment work at the Site. Authorization was received from the State of New Mexico Commissioner of Public Lands on May 22, 2023, as Permit WE-0822. This authorization is valid until May 21, 2024. The submitted ARMS letter and soil boring permit authorization letter are included in Appendix C, along with associated correspondence. A requirement of part of the Rule 12 Water Exploration/Soil Boring Permit is to notify the SLO District Manager by telephone at least one business day prior to activities (Found in section C. of Conditions of Use). Tetra Tech contacted Ryan Mann via phone prior to the inception of work, per permit requirement. The Leaseholder Is Concho Oil & Gas/COG Operating LLC and the Lease ID is VB18570001.

SITE ASSESSMENT

Tetra Tech conducted assessment soil sampling at the Site on behalf of ConocoPhillips prior to remedial action. On May 31, 2023, Tetra Tech installed ten (10) hand auger borings (HA-1 through HA-10) in and around the reported release area to delineate the horizontal and vertical extent of the release. All of the borings were installed a depth of 1-foot bgs with the exception of HA-2, which was installed to a depth of 2.5 feet bgs. Tetra Tech returned to the Site on July 11, 2023 to install a trench (T-1) within the release extent to complete vertical delineation of the release. After mobilizing to the release site, however, field personnel determined that Plains All American Pipeline (Plains) was in the midst of installing a Right of Way (ROW) and subsurface pipeline directly over the NMOCD release footprint. Clearing and grubbing of the ROW had commenced prior to arrival of the Tetra Tech field personnel. This was an unforeseen turn of events and precipitated immediate action. Tetra Tech coordinated with Plains to momentarily cease further work on their pipeline installation project, however, so that the final assessment could be completed as permitted. The sampling locations are presented in Figure 4.

A total of fifteen (15) soil samples were sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for chloride via Standard Method 4500Cl-B, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. A copy of the laboratory analytical reports and chain-of-custody documentation are included in Appendix D.

Analytical results from the assessment sampling activities are summarized in Table 1. Analytical results associated with sample locations HA-1, HA-2, HA-3, and T-1 exceeded the chloride RRAL of 600 mg/kg at soil intervals ranging from the surface to 6 feet bgs. All other analytical results were below the Site RRALs for all constituents.

REMEDIAL ACTIVITIES AND CONFIRMATION SAMPLING

On July 11, 2023, Tetra Tech sent a request via email to the NMSLO for approval of the initiation of remedial activities at the Site based on the previously mentioned permitting and Plains pipeline installation. Amy Velazquez of the NMSLO approved remediation activities at the Site via email the same day. The determination was made that the remediation and reclamation of this release will be allowed under the oil & gas lease rights in this particular case. Tami Knight of the SLO Environmental Compliance Office (ECO) also approved the remedial action via email on July 11. Regulatory correspondence with NMSLO is included in Appendix C. Tetra Tech coordinated with Plains and fast tracked the remedial activities.

On July 14, 2023, Tetra Tech personnel were onsite to remediate the release based on the results of the assessment sampling, including excavation, disposal and backfill. The extent of impacted soils was confirmed with field soil screening data and then excavated to 4 feet bgs throughout the release extent. The area of sample location T-1 was excavated to a depth of 6.5 feet bgs. Photographs from the excavated areas prior to backfill are provided in Appendix E.

All of the excavated material was transported offsite for proper disposal. Approximately one hundred and thirty-two (132) cubic yards of material were transported to the R360 Halfway Facility in Hobbs, New Mexico. Copies of the waste manifests are included in Appendix F.

Prior to final confirmation sampling, the NMOCD district office was notified via email on July 12, 2023 in accordance with Subsection D of 19.15.29.12 NMAC. Documentation of associated regulatory correspondence is included in Appendix C. On July 14, 2023, Tetra Tech personnel were onsite for confirmation sampling. Confirmation floor and sidewall samples were collected for laboratory analysis to verify impacted materials were properly removed. Each confirmation sample laboratory analytical result was directly compared to the proposed RRALs to demonstrate compliance.

In accordance with Subsection D of 19.15.29.12 NMAC, confirmation samples were collected such that each discrete sample (sidewall and floor) were representative of no more than 200 square feet of excavated area. A total of three (3) floor sample locations and four (4) sidewall sample locations were used during the

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August 29, 2023

ConocoPhillips

remedial activities. Confirmation sidewall sample locations were labeled with "SW"-#, and confirmation floor sample locations were labeled with "FS"-#. Analytical results for all confirmation soil samples (floor and sidewall) were below the RRALs for chloride, BTEX, and TPH. The results of the July 2023 confirmation sampling events are summarized in Table 2. Laboratory analytical data is included in Appendix D. Remediated areas, depths and confirmation sample locations are shown in Figure 5. Photographs from the area after backfilling are provided in Appendix E.

CONCLUSION

ConocoPhillips elected to remediate the release and submit a closure report within 90 days of discovery of the release, per Subsection B of 19.15.29.12 NMAC; however, Tetra Tech and ConocoPhillips experienced a delay in scheduling the assessment and remediation activities at the Site while in the process of complying with the New Mexico State Land Office's Cultural Properties Protection Rule. An extension to September 19, 2023 was approved by NMOCD in an email dated June 22, 2023. A copy of the regulatory correspondence is included in Appendix C.

ConocoPhillips respectfully requests closure of the release based on the confirmation sampling results and remediation activities performed. The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the remediation activities for the Site, please call me at (512) 739-7874.

Sincerely,
Tetra Tech, Inc.



Samantha K. Abbott, P.G.
Project Manager



Christian M. Llull, P.G.
Program Manager

cc:
Mr. Jacob Laird, PBU – ConocoPhillips
Tami Knight, SLO ECO

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August 29, 2023

ConocoPhillips

LIST OF ATTACHMENTS

Figures:

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Approximate Release Extent
- Figure 4 – Site Assessment Map
- Figure 5 – Remediation Extent and Confirmation Sampling

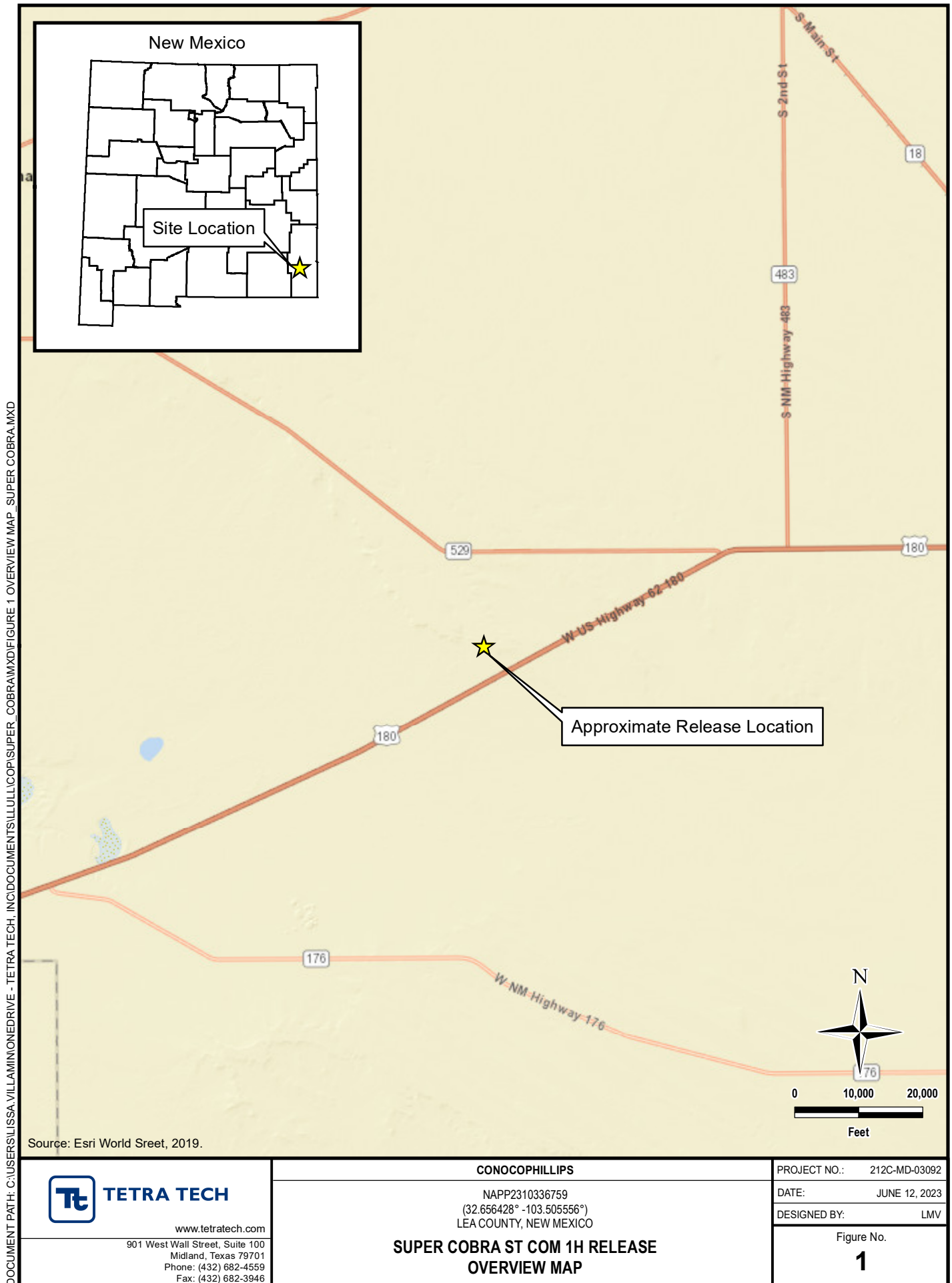
Tables:

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

Appendices:

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

FIGURES



TETRA TECH

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CONOCOPHILLIPS

NAPP2310336759
(32.656428° -103.505556°)
LEA COUNTY, NEW MEXICO

**SUPER COBRA ST COM 1H RELEASE
OVERVIEW MAP**

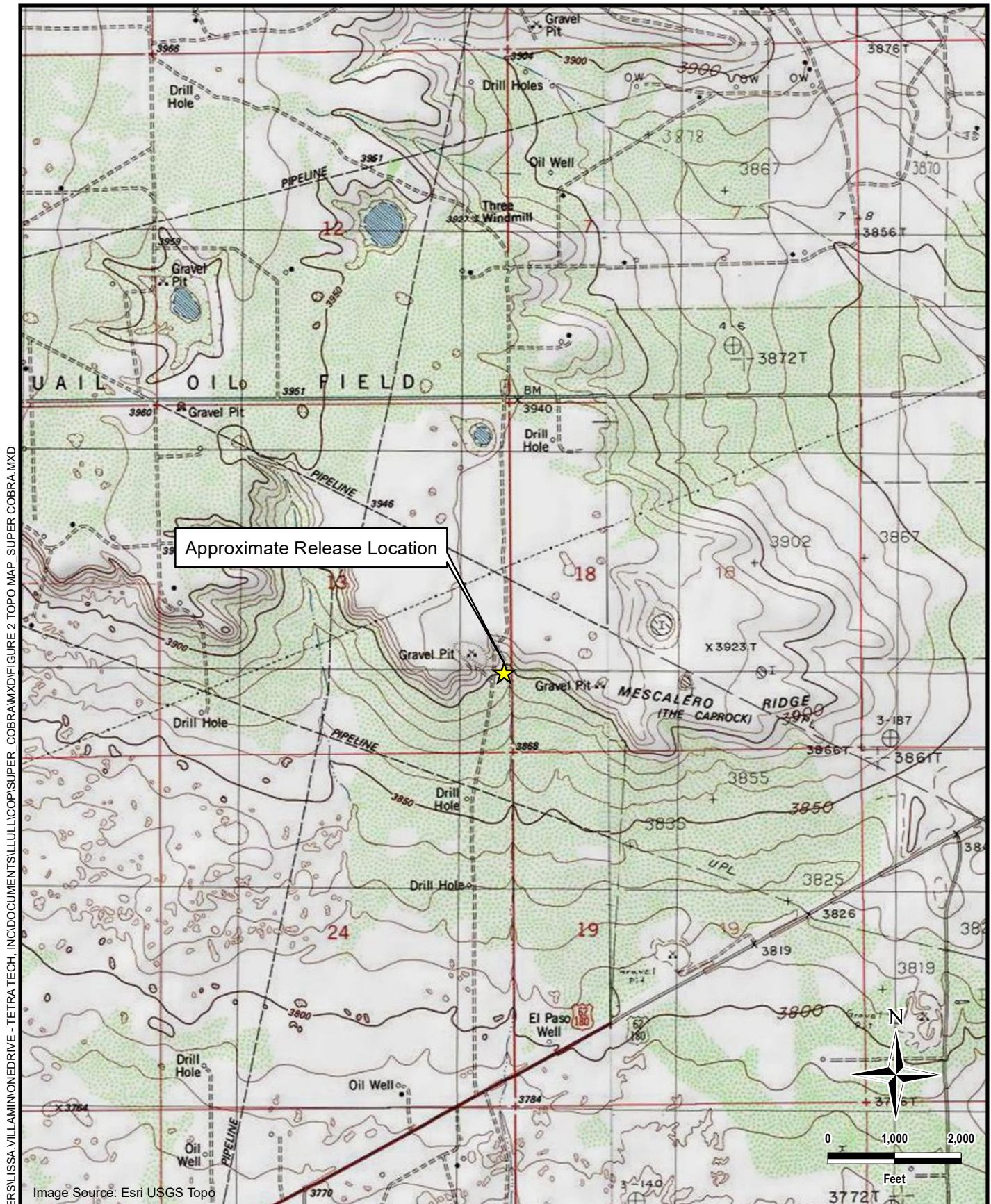
PROJECT NO.: 212C-MD-03092

DATE: JUNE 12, 2023

DESIGNED BY: LMV

Figure No.

1



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CONOCOPHILLIPS

NAPP2310336759
(32.656428° -103.505556°)
LEA COUNTY, NEW MEXICO

**SUPER COBRA ST COM 1H RELEASE
TOPOGRAPHIC MAP**

PROJECT NO.: 212C-MD-0392

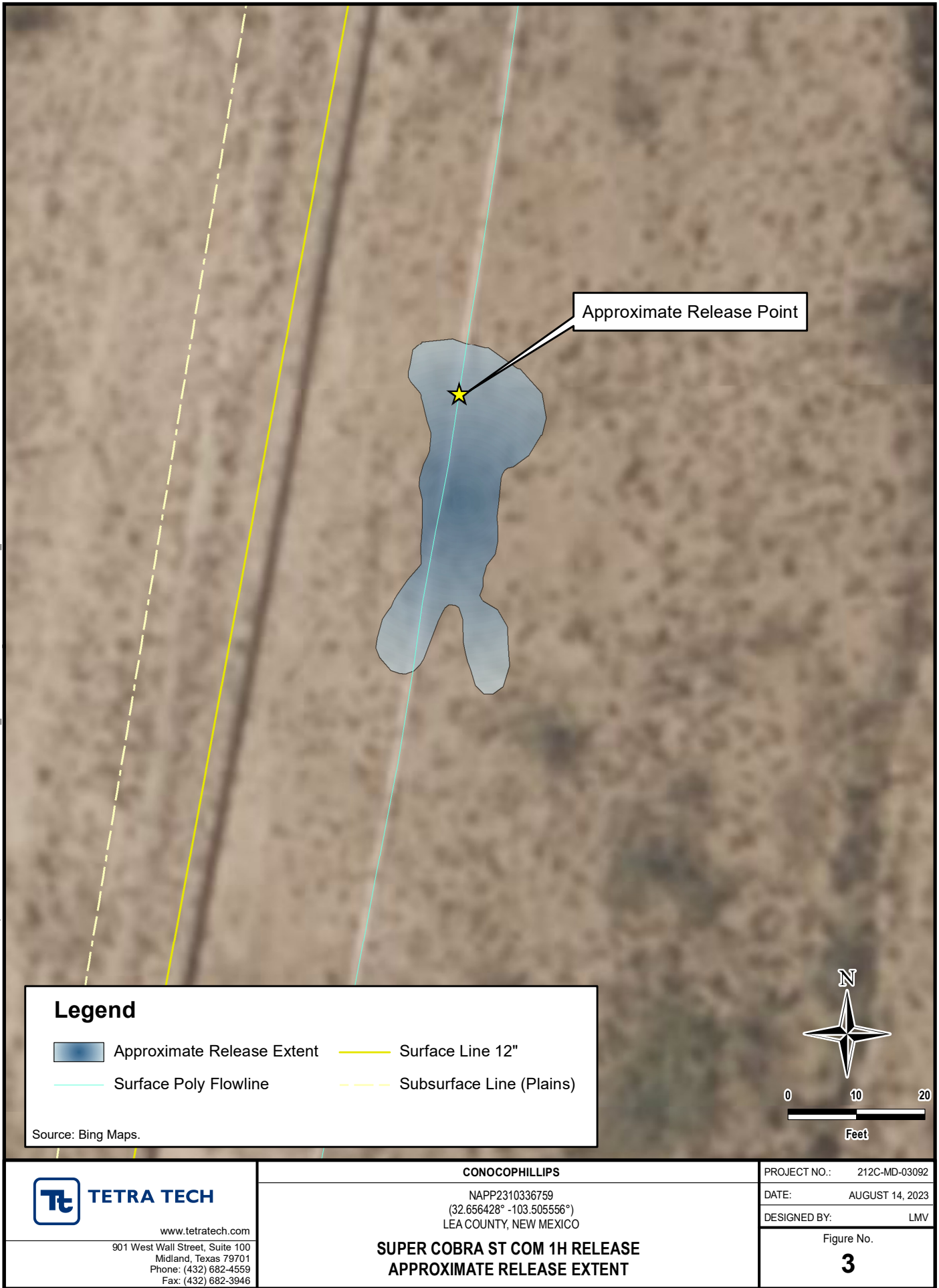
DATE: JUNE 12, 2023

DESIGNED BY: LMV

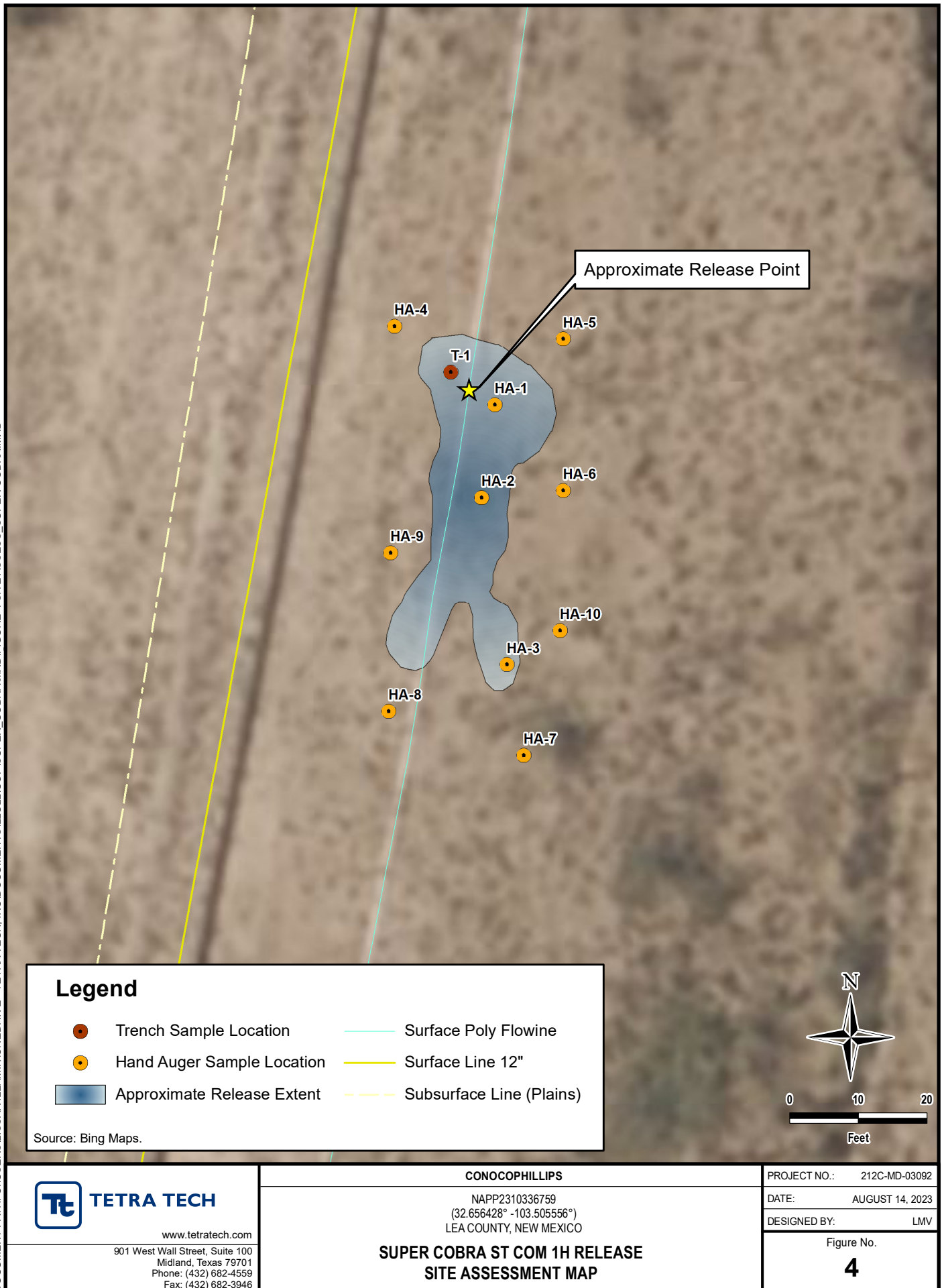
Figure No.

2

DOCUMENT PATH: C:\USERS\LISSA.VILLAMINIONEDRIVE - TETRA TECH, INC\DOCUMENTS\ILLU\COPI\SUPER_COBRAMXD\FIGURE 3 RELEASE_SUPER COBRA.MXD



DOCUMENT PATH: C:\USERS\LISSA.VILLAMONEDRIVE - TETRA TECH, INC\DOCUMENTS\ILLU\COPI\SUPER_COBRAMXD\FIGURE 4 SITE ASSESS - SUPER COBRA.MXD



DOCUMENT PATH: C:\USERS\LISSA.VILLAMONEDRIVE - TETRA TECH, INC\DOCUMENTS\ILLU\COPI\SUPER_COBRAMXD\FIGURE 5 REMEDIATION AND CONFIRMATION_SUPER COBRA.MXD



Legend

 Confirmation Floor Sample Location

 Confirmation Sidewall Sample Location

 Approximate Release Extent

 Excavated Area - 4' BGS

 Excavated Area - 6.5' BGS


 Surface Poly Flowline

 Surface Line 12"

 Subsurface Line (Plains)

BGS: Below Ground Surface
Source: Bing Maps.



<div>TETRA TECH</div> <div>www.tetrattech.com 901 West Wall Street, Suite 100 Midland, Texas 79701 Phone: (432) 682-4559 Fax: (432) 682-3946</div>	CONOCOPHILLIPS NAPP2310336759 (32.656428° -103.505556°) LEA COUNTY, NEW MEXICO	PROJECT NO.: 212C-MD-03092
	SUPER COBRA ST COM 1H RELEASE REMEDATION EXTENTS AND CONFIRMATION SAMPLING LOCATIONS	DATE: AUGUST 14, 2023
		DESIGNED BY: LMV
		Figure No. 5

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT - NAPP2310336759
CONOCOPHILLIPS
SUPER COBRA STATE COM 1H RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride ¹		BTEX ²										TPH ³							
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		(GRO+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		
		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	mg/kg
HA-1	5/31/2023	0-1	5270	-	5520		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	-
HA-2	5/31/2023	0-1	8420	-	12000		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	-
		2-2.5	8720	-	10000		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	-
T-1	7/11/2023	3-4	-	-	20000		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	-
		4-5	-	-	8000		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	-
		5-6	-	-	2800		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	-
		6-6.5	-	-	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	-
HA-3	5/31/2023	0-1	7850	-	7860		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	-
HA-4	5/31/2023	0-1	88	-	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	-
HA-5	5/31/2023	0-1	54	-	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	-
HA-6	5/31/2023	0-1	130	-	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	-
HA-7	5/31/2023	0-1	159	-	96.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	-
HA-8	5/31/2023	0-1	57	-	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	-
HA-9	5/31/2023	0-1	68	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0	-
HA-10	5/31/2023	0-1	341	-	208		<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 Site RRALs and/or Reclamation Requirements.

Shaded rows indicate intervals that were excavated during remediation activities.

QUALIFIERS:

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
SOIL REMEDIATION - nAPP2310336759
CONOCOPHILLIPS
SUPER COBRA STATE COM 001H
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results Chloride	Chloride ¹		BTEX ²										TPH ³							
						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	C ₆ - C ₁₀	Q	> C ₁₀ - C ₂₈	Q	> C ₂₈ - C ₃₆	Q	mg/kg
NSW-1	7/14/2023	-		78.9	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
SSW-1	7/14/2023	-		57.4	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
ESW-1	7/14/2023	-		69.2	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-1	7/14/2023	-		72.6	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-1	7/14/2023	6.5		85.8	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-2	7/14/2023	4		357	304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-3	7/14/2023	4		301	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-

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

APPENDIX A C-141 Forms

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
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></u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>04/13/2023</u>

Received by OCD: 9/7/2023 8:03:48 AM

Convert irregular shape
into a series of
rectangles

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.)
Rectangle A	10.0	18.0	6.0	Off-Pad ✓	15.02%	16.02	2.41
Rectangle B	13.0	16.0	6.0	Off-Pad ✓	15.02%	18.51	2.78
Rectangle C	13.0	18.0	6.0	Off-Pad ✓	15.02%	20.83	3.13
Rectangle D				✓		0.00	
Rectangle E				✓		0.00	
Rectangle F				✓		0.00	
Rectangle G				✓		0.00	
Rectangle H				✓		0.00	
Rectangle I				✓		0.00	
Rectangle J				✓		0.00	
Total Subsurface Volume Released:							8.3148

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: Shelly Wells Date: 9/7/2023

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: Shelly Wells Date: 9/7/2023

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: Nelson Velez Date: 12/29/2023

Printed Name: Nelson Velez Title: Environmental Specialist - Adv

APPENDIX B

Site Characterization Data

OCD - Mineral and Surface Ownership



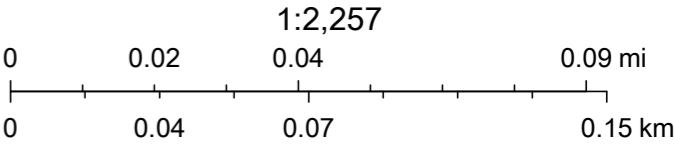
5/8/2023, 3:56:19 PM

Mineral Ownership

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

Land Ownership

S



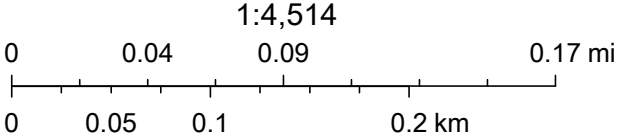
U.S. BLM, Maxar, Microsoft, Esri, HERE, Garmin, iPC

OCD Water Bodies Map



4/20/2023, 11:49:24 AM

— OSE Streams

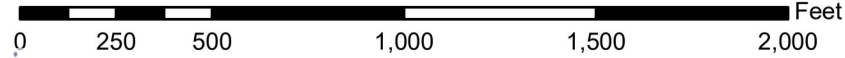
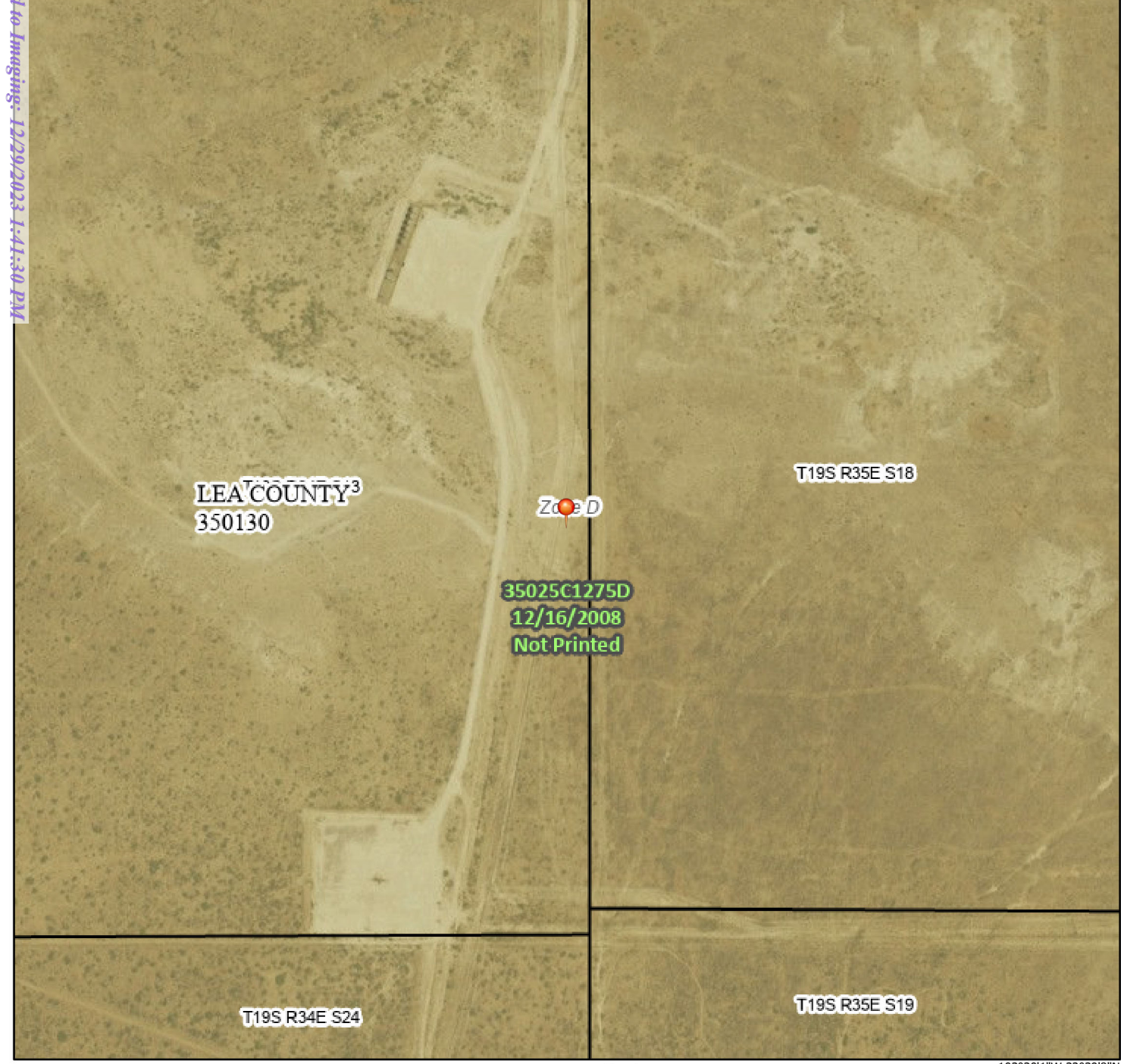


Esri, HERE, Garmin, IPC, Maxar, NM OSE

National Flood Hazard Layer FIRMette



103°30'39"W 32°39'38"N



1:6,000

103°30'1"W 32°39'8"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile
		Future Conditions 1% Annual Chance Flood Hazard
		Area with Reduced Flood Risk due to Levee. See Notes.
		Area with Flood Risk due to Levee
		Area of Minimal Flood Hazard
OTHER AREAS		Effective LOMRs
		Area of Undetermined Flood Hazard
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
	Hydrographic Feature	
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/3/2023 at 12:30 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

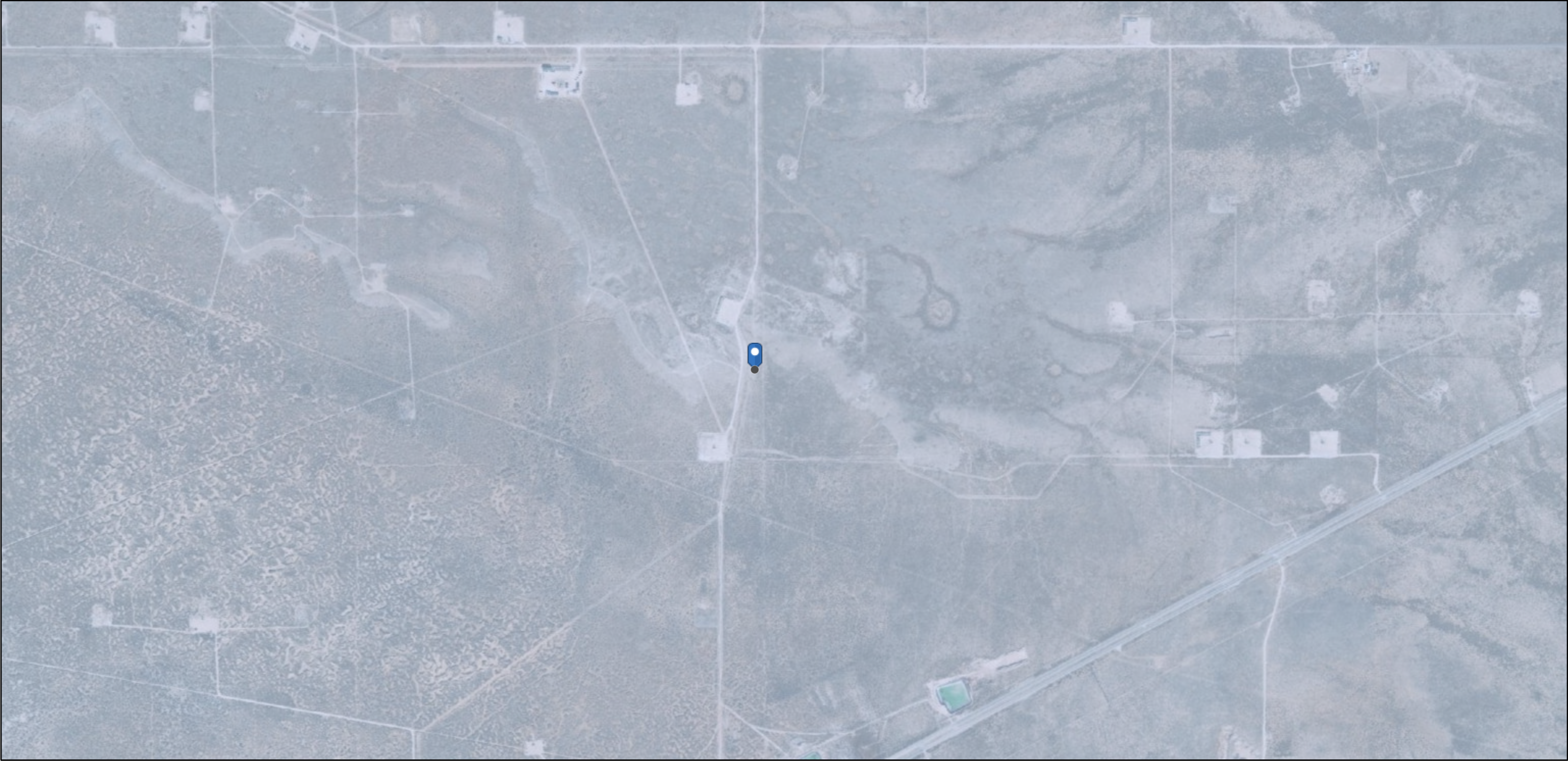
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

Released to Imaging: 12/29/2023 1:41:30 PM

Received by OCD: 9/8/2023 8:03:48 AM

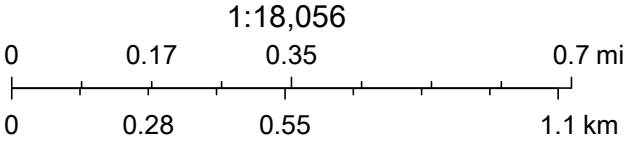
Page 25 of 98

OCD Karst Potential Map



4/20/2023, 11:31:56 AM
Karst Occurrence Potential

Low



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



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	Code	POD Sub-basin	County	Q Q Q						X	Y	Distance	DepthWell	DepthWater	Water Column	
		64		16	4	Sec	Tws	Rng								
L 08234 S		L	LE	4	4	1	18	19S	35E	640871	3614751*	918	106	60	46	
L 08941		L	LE	2	3	3	19	19S	35E	640510	3612523	1696	600	286	314	
L 14208 POD1		L	LE	2	2	2	18	19S	35E	641685	3615464	2000	78			
L 08234 S2		L	LE				3	17	19S	35E	642192	3614259*	2042	126	80	46
L 09569		L	LE		4	3	17	19S	35E	642394	3614063*	2246	80	30	50	
L 08234		L	LE	2	2	3	17	19S	35E	642487	3614566*	2367	120	90	30	

Average Depth to Water: **109 feet**

Minimum Depth: **30 feet**

Maximum Depth: **286 feet**

Record Count: 6

UTM NAD83 Radius Search (in meters):

Easting (X): 640150.58

Northing (Y): 3614181.23

Radius: 2400

*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.

4/20/23 10:45 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

APPENDIX C

Regulatory Correspondence



Albuquerque Office
5647 Jefferson Street NE
Albuquerque, New Mexico 87109
Tel 505.254.1115 Fax 505.254.1116
www.swca.com

May 8, 2023

TO: David Eck or Lia Tsesmeli, Archaeologist, New Mexico State Land Office, Santa Fe, New Mexico

FROM: SWCA Environmental Consultants

SUBJECT: Completion of an Archaeological Resources Management Section (ARMS) Review for the ConocoPhillips Super Cobra State Com #001H Inadvertent Release Project on New Mexico State Land Office (SLO) lands in Lea County, NM

Company Ref No: 212C-MD-03092, Task No. 100

PROJECT DESCRIPTION:

Tetra Tech, Inc. has requested that SWCA Environmental Consultants (SWCA) conduct an Archaeological Resources Management Section (ARMS) review for an inadvertent release in Lea County, New Mexico. The proposed project is located on New Mexico State Trust Lands approximately 34.5 kilometers (21.4 miles) west of Hobbs, NM in T19S R34E, Section 13 (SW E½).

A literature and file search were conducted on May 3, 2023, using the State of New Mexico's New Mexico Cultural Resources Information System online database which included a review of known historic resources, including the built environment, Laboratory of Anthropology, and State/National Register listed properties. Other sources reviewed include the BLM GLO Records web site, <http://www.glorerecords.blm.gov>, which include land patent and general land office survey data. As this area was not settled by Spain, land grant records were not reviewed. The review was conducted for the Area of Potential Effect (APE) and 500 meters surrounding the APE. The land the proposed project is located on is part of the June 20, 1910: New Mexico Enabling Act (36 Stat. 557) patented on May 31, 1919.

Recommendation:

The project area and surrounding 500 meters have been subject to fifteen (15) cultural resource surveys, five (5) of which are qualifying and three (3) previously recorded sites within the same review buffer (LA191696, LA 199334, and LA 202791), none of which fall within 100 feet of the proposed remediation area. The remediation area falls completely located on SLO-managed lands and is covered by three (3) qualifying surveys conducted within the last ten years (NMCRIS No. 134571, 141934, and 152694). All work will be done within the previously surveyed area, and therefore, SWCA does not recommend further survey at this location. If cultural materials are identified during ground disturbing activities, work must stop and the SLO must be contacted.

Information regarding the findings can be found in Tables 1 and 2 in enclosure (1).

A handwritten signature in dark ink, appearing to read 'Alissa H. Healy', is written over a light blue horizontal line.

Archaeologist
Alissa Healy

Enclosure: (1) Review Results, (2) ARMS Map



Albuquerque Office
5647 Jefferson Street NE
Albuquerque, New Mexico 87109
Tel 505.254.1115 Fax 505.254.1116
www.swca.com

Archaeological Resources Management System (ARMS) Review Results

Table 1: Cultural sites within 500 meters (0.31 miles) of proposed project.

LA No.	Discovering NMCRI No.	Site Type/Cultural Affiliation and Age	Eligibility	Relationship to APE
191696	141048	Artifact scatter with features/Anglo (1846 AD – 1945 AD)	Unevaluated (2/19/2019 HPD Log No. 109882)	Outside
199334	No information on NMCRI	No information on NMCRI	No information on NMCRI	Outside
202791	152694	Artifact scatter with features/Mogollon (1100 AD – 1400 AD)	Not Determined	Outside

Table 2: Cultural surveys within 500 meters (0.31 miles) of proposed project.

NMCRI No.	Performing Organization	Date of Investigation	Acres Surveyed	Sites Visited
1175	NM State Highway & Transportation Dept	2/2/1982	178.1	2
7584	NM State University Cultural Resource Management Division	11/17/1983	123.56	0
1840	Agency for Conservation Archaeology Eastern New Mexico University	12/13/1983	96.96	1
49377	TRC, Inc.	5/30/1995	492.6	17
113177	Boone Archaeological Services, LLC	3/4/2009	54.9	1
124302	Lone Mountain Archaeological Services	3/30/2012	825.43	9
132233	Statistical Research, Inc.	7/8/2014	9528.07	79
134571	Statistical Research, Inc.	10/27/2015	45.13	0
137180	Boone Archaeological Consultants, LLC.	12/5/2016	32.77	0
141048	Lone Mountain Archaeological Services	4/23/2018	29148.32	247
141934	Tetra Tech, Inc.	11/5/2018	334	0
147954	Goshawk Environmental Consulting	5/5/2021	54.5	0



ENVIRONMENTAL CONSULTANTS

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Albuquerque Office
5647 Jefferson Street NE
Albuquerque, New Mexico 87109
Tel 505.254.1115 Fax 505.254.1116
www.swca.com

NMCRIS No.	Performing Organization	Date of Investigation	Acres Surveyed	Sites Visited
148282	Boone Archaeological Consultants, LLC.	6/22/2021	17.35	1
152694	APAC	3/8/2023	0	6
152694	APAC	3/8/2023	0	6

*redacted

Figure 1. ARMS screenshot showing previous surveys (brown polygons), previously recorded sites (red polygons), and the proposed project area (blue triangle in upper right).



Stephanie Garcia Richard
COMMISSIONER

State of New Mexico
Commissioner of Public Lands

310 OLD SANTA FE TRAIL
P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

COMMISSIONER'S
OFFICE

Phone (505) 827-5760
Fax (505) 827-5766
www.nmstatelands.org

May 22, 2023

ConocoPhillips (Contractor Tetra Tech/Sam Chama)
Attn: Jacob Laird
600 W Illinois Ave.
Midland, TX 79701

RE: Rule 12 Water Exploration / Soil Boring Permit # **WE-0822**

We are in receipt of your application and fees (\$ 100.00 per Application) requesting a TEMPORARY BORING PERMIT for Water exploration. The effective date of this authorization is for a period of not to exceed 1 year, commencing on May 22, 2023 and ending on May 21, 2024. This Authorization (Right of Entry) letter is for the locations and purposes listed in **ATTACHED EXHIBIT A.**

CONDITIONS OF USE

- A. The issuance of this Exploration Authorization does not guarantee a Water Easement will be issued for this property being explored, nor does it indicate a preference for a future water easement issuance to the holder of the authorization by the Commissioner of Public Lands.
- B. No refund of Permit application fees will occur after Permit approval letter is mailed.
- C. Authorized party shall notify the State Land Office District Resource Manager by telephone at least one business day prior to commencing any exploration activities.
- D. No blading or widening of any two-track dirt roads that provides access to the Property is permitted under this Authorization, except as necessary for the ingress and egress of required vehicles.
- E. No mining or removal of material for purposes other than testing is allowed under this Authorization. No sale of any material extracted from the Property is allowed under this Authorization.
- F. Authorized party shall observe all federal, state and local laws and regulations applicable to the Property.
- G. Authorized party shall take all reasonable precautions to prevent and suppress forest, brush and grass fires and prevent pollution of waters on or in the vicinity of the Property.
- H. Authorized party shall not block or disrupt roads or trails commonly in use.
- I. This Authorization is subject to any and all easements and rights-of-way previously granted and now in force and affect.
- J. Authorized party shall be responsible for repair and restitution for damage to any property improvements as a result of activities related to this exploration.
- K. ***Authorized party shall conduct exploration activities only if a state-permitted archaeologist as per the Cultural Properties Act, §18-6-5(O) is present on the permitted site if an archaeological survey has not been conducted clearing the work beforehand.*** Authorized party shall abide by the decisions of the permitted Archaeologist regarding prevention of damage to cultural property sites. ***An archaeological report is to be submitted to State Land Office Cultural Resources Specialist within fifteen (15) days of the expiration date of this Authorization.*** (An archeologist is not required to be present as long as there are no surface disturbing activities being performed).

SURFACE RECLAMATION AND RESTORATION

- A. All test holes must be plugged as soon as testing is completed.
- B. Drilling, excavation and other surface disturbing activities shall be restricted to areas deemed to have no archaeological significance.
- C. Access to the Property shall be over existing roads. Reclamation of all roads shall conform to the requirements of State Land Office Rule 20. No upgrading of the existing roads shall be done, except as necessary for the ingress and egress of required vehicles.
- D. All topsoil from the areas to be disturbed shall be stockpiled for use in reclamation.
- E. Upon completion of the use and operations permitted by this Authorization, all disturbed sites shall be re-contoured to approximate the original contours.
- F. All material removed by excavation shall be replaced into the test holes, with the exception of an adequate sample, on or before the expiration date of this Authorization.
- G. The natural environmental conditions that exist contemporaneously with this grant shall be preserved and protected. All applicable environmental laws and regulations shall be complied with and such reclamation or corrective actions as may be necessary to conduct EXPLORATORY WELL BORING consistent with safe and sound environmental management principles and practices shall be taken in order to protect the Property from any pollution, erosion or other environmental degradation and to avoid diminishing the value of the Property for any future use.

INDEMNITY

Authorized party shall save, hold harmless, indemnify and defend the State of New Mexico, the Commissioner and Commissioner's employees, agents and contractors, in both their official and individual capacities, from any and all liability, claims, losses, damages, or expenses of any character or nature whatsoever, including but not limited to attorney's fees, court costs, loss of land value or use, third party claims, penalties, or removal, remedial or restoration costs arising out of, or alleged to arise out of:

- A. The operations or presence on the Property, or on adjacent or proximate state trust lands, including those used to access the Property for the purposes of this Authorization, of Authorized party or authorized party's employees, agents, contractors or invitees;
- B. The activities of third parties on the Property, or on adjacent or proximate state trust lands, including those used to access the Property or other adjacent or proximate state trust lands, whether with or without Authorized party's knowledge or consent;
- C. Any Hazardous Materials located in, under, upon or otherwise affecting the Property or adjacent or proximate state trust lands, regardless of their point of origin or date of contamination.

If you have any questions or concerns please contact Faith Crosby, Water Bureau Manager at (505) 827-5849 or David Gallegos, Water Resource Analyst at (505) 476-0378.

Respectfully,

S. Garcia Richard / GB

Date

5/22/23

Stephanie Garcia Richard
Commissioner of Public Lands

GB/dg

xc: Sam Chama, Tetra Tech, SAM.CHAMA@tetrattech.com
Mark Naranjo, NMSLO DRM Director



WE-822 Attachment A

List of Soil Bore Locations

Purpose	Location TRS	Location Lat/Long	Grazing Lease#/Contact	Lease Location	SLO Estate	Name
9 soil borings to depth of 4' bgs.	19S-34E-13, P	32.656386, -103.505518	GT-2916 Snyder Ranches, Inc.	VB-1857 0001 Concho Oil & Gas Comm 203394	Full	Super Cobra State Com Well #1H

Dickerson, Ryan

From: Knight, Tami C. <tknight@slo.state.nm.us>
Sent: Tuesday, July 11, 2023 4:04 PM
To: Velazquez, Amy; Llull, Christian
Cc: Chama, Sam; Barnes, Will; SLO Surface ECO; Abbott, Sam; Armijo, Melissa
Subject: RE: [EXTERNAL]Approved Soil Boring Permit WE-822 / nAPP2310336759 (Super Cobra State Com # 001H)

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

Christian,

As stated on the phone, ECO does not have an issue with the remediation occurring for the subject release. Please follow 19.15.29.12 and 19.15.29.13 NMAC.

Thank you

Tami Knight, CHMM

Environmental Specialist
SRD-Environmental
Compliance Office (ECO)
505.670.1638
New Mexico State Land Office
1300 W. Broadway Avenue, Suite A
Bloomfield, NM 87413
tknight@slo.state.nm.us
nmstatelands.org



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From: Velazquez, Amy <avelazquez@slo.state.nm.us>
Sent: Tuesday, July 11, 2023 1:08 PM
To: Llull, Christian <Christian.Llull@tetrattech.com>
Cc: Chama, Sam <SAM.CHAMA@tetrattech.com>; Barnes, Will <wbarnes@slo.state.nm.us>; SLO Surface ECO <SLOSurfaceECO@slo.state.nm.us>; Abbott, Sam <Sam.Abbott@tetrattech.com>; Armijo, Melissa <marmijo@slo.state.nm.us>
Subject: RE: [EXTERNAL]Approved Soil Boring Permit WE-822 / nAPP2310336759 (Super Cobra State Com #001H)

Hello Christian,

I am writing to follow up on our conversation a few minutes ago. The determination has been made that the remediation and reclamation of this spill will be allowed under the oil & gas lease rights in this particular case.

The caveat is that the remediation activities be completed as soon as possible in order to allow continued construction of the Plains Pipeline easement. Please let us know if you have any further questions.

Thank you,



Amy Velazquez

Rights of Way Leasing Manager

Rights of Way Division

Office Phone: 505.827.5789

New Mexico State Land Office

Physical: 310 Old Santa Fe Trail

Santa Fe, NM 87501

Post Office Box:

P.O. Box 1148, Santa Fe, NM 87504-1148

avelazquez@slo.state.nm.us

nmstatelands.org



.....

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From: Llull, Christian <Christian.Llull@tetrattech.com>

Sent: Tuesday, July 11, 2023 12:05 PM

To: Armijo, Melissa <marmijo@slo.state.nm.us>; Velazquez, Amy <avelazquez@slo.state.nm.us>

Cc: Chama, Sam <SAM.CHAMA@tetrattech.com>; Barnes, Will <wbarnes@slo.state.nm.us>; SLO Surface ECO <SLOSurfaceECO@slo.state.nm.us>; Abbott, Sam <Sam.Abbott@tetrattech.com>

Subject: RE: [EXTERNAL]Approved Soil Boring Permit WE-822 / nAPP2310336759 (Super Cobra State Com #001H)

Hello Melissa and Amy,

I have left you both voicemail messages.

COP (and Tetra Tech) have an approved soil boring permit to drill assessment locations for the below NMOCD release.

This release is:

- In pasture
- On an active oil and gas lease
- Not associated with an SWD
- Has not impacted groundwater and
- An approximate 900 sf footprint.

We planned to complete assessment activities today, however, Plains pipeline is in the midst of installing a ROW and subsurface pipeline directly over the NMOCD release footprint.

This was surprising and unexpected based on the permitting process to date.

COP and TT have coordinated with Plains to momentarily cease further work in this pipeline installation project, however, so we can complete the assessment as permitted.

From Mr. Gallegos email below, we must coordinate you all (Melissa Armijo, Amy Velazquez, and Will Barnes) for remediation work at the site.

Based on the ROW and pipeline installation, approval from SLO is urgent so we can begin remediation and allow Plains to continue their work.

Regarding cultural, an ARMS letter was submitted to SLO, attached.

Super Cobra St Com 1H Flowline Release

ConocoPhillips

Lea County, NM

DOR: March 30, 2023

Approximate Release Point: 32.656445° -103.505552°

Incident ID nAPP2310336759

State Land (We have received the approved soil boring permit from NMSLO to proceed, attached.)

Leaseholder CONCHO OIL & GAS LLC/COG OPERATING LLC

Lease ID VB18570001

Thus, COP is seeking immediate approval for remediation from NMSLO.

We have guidance from ECO on assessment, but we are not certain of the exact steps to remediation on SLO under new procedures.

In lieu of additional guidance, are we clear to move forward with remediation for this specific site?

Please let me know if you have any questions.

Christian

Christian Llull, P.G. | Program Manager

Mobile +1 (512) 565-0190 | christian.llull@tetrattech.com

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8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | tetrattech.com

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From: Gallegos, David <dgallegos@slo.state.nm.us>

Sent: Thursday, May 25, 2023 9:35 AM

To: Llull, Christian <Christian.Llull@tetrattech.com>

Cc: Chama, Sam <SAM.CHAMA@tetrattech.com>; Crosby, Faith <fcrosby@slo.state.nm.us>; Armijo, Melissa <marmijo@slo.state.nm.us>; Velazquez, Amy <avelazquez@slo.state.nm.us>; Barnes, Will <wbarnes@slo.state.nm.us>; SLO Surface ECO <SLOSurfaceECO@slo.state.nm.us>

Subject: RE: [EXTERNAL]Approved Soil Boring Permit WE-822

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

Good Morning Christian,

The soil boring permit was issued only to conduct the 9 soil bores outlined in the .kmz submitted with the application and listed as the purpose in the permit. A soil boring permit is not issued to conduct remediation.

For remediation work at this site, you will need to coordinate with the NMSLO Environmental Compliance Office and Rights of Way Division. Please work with Melissa Armijo, Amy Velazquez, and Will Barnes who are copied on this email.

Thanks,

David A. Gallegos

Water Resource Analyst
Oil, Gas and Minerals Division
505.476.0378
New Mexico State Land Office
310 Old Santa Fe Trail
P.O. Box 1148
Santa Fe, NM 87504-1148
dgallegos@slo.state.nm.us
nmstatelands.org



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From: Llull, Christian <Christian.Llull@tetrattech.com>

Sent: Wednesday, May 24, 2023 6:24 PM

To: Gallegos, David <dgallegos@slo.state.nm.us>

Cc: Chama, Sam <SAM.CHAMA@tetrattech.com>; Crosby, Faith <fcrosby@slo.state.nm.us>

Subject: Re: [EXTERNAL]Approved Soil Boring Permit WE-822

David, one last set of questions so I can provide clients with appropriate information.

- Our understanding is that this permit authorized both the assessment (soil borings) as well as the ensuing remediation work (provided it occurs within one year). Can you confirm this assumption?
- Who is the SLO district resource manager (if multiple please note), what is the preferred method of communication for notification, and what are the phone numbers/email addresses?
- Assuming topsoil is impacted in the release footprint, the implication is that the soil will not be stockpiled, but rather disposed of post-excavation. In this case, what material is appropriate for backfill?
- In the ensuing remedial scenario, equipment must be mobilized to excavate the release footprint. This requires ingress/egress over unimpacted pasture from the adjacent lease road. Additionally, the release footprint would then be excavated and backfilled with native "like" material and reseeded. In this situation, what stipulates reclamation obligations?

We very much appreciate your patience in these matters.

Christian

From: Gallegos, David <dgallegos@slo.state.nm.us>
Sent: Tuesday, May 23, 2023 10:47 AM
To: Llull, Christian <Christian.Llull@tetrattech.com>
Cc: Laird, Jacob <Jacob.Laird@conocophillips.com>; Chama, Sam <SAM.CHAMA@tetrattech.com>; Crosby, Faith <fcrosby@slo.state.nm.us>
Subject: RE: [EXTERNAL]Approved Soil Boring Permit WE-822

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Good Morning Christian,

You are correct that the approved permit allows for completion of the requested work.

Thanks,



David A. Gallegos

Water Resource Analyst
Oil, Gas and Minerals Division
505.476.0378
New Mexico State Land Office
310 Old Santa Fe Trail
P.O. Box 1148
 Santa Fe, NM 87504-1148
dgallegos@slo.state.nm.us
nmstatelands.org

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From: Llull, Christian <Christian.Llull@tetrattech.com>
Sent: Tuesday, May 23, 2023 9:08 AM
To: Gallegos, David <dgallegos@slo.state.nm.us>
Cc: Laird, Jacob <Jacob.Laird@conocophillips.com>; Chama, Sam <SAM.CHAMA@tetrattech.com>; Crosby, Faith <fcrosby@slo.state.nm.us>
Subject: RE: [EXTERNAL]Approved Soil Boring Permit WE-822

David:

Please find attached the redacted ARMS letter for the Super Cobra State Com #001H Inadvertent Release (nAPP2310336759) DOR 3/30/23, Associated Soil Boring Permit WE-822.
This ARMS letter has been submitted to the SLO system by SWCA on behalf of ConocoPhillips and Tetra Tech.
As we understand, this letter will satisfy the permit requirements stipulated in Item K of the permit shown below.

- K. **Authorized party shall conduct exploration activities only if a state-permitted archaeologist as per Cultural Properties Act, §18-6-5(O) is present on the permitted site if an archaeological survey has been conducted clearing the work beforehand.** Authorized party shall abide by the decisions of the p Archaeologist regarding prevention of damage to cultural property sites. **An archaeological report is to be submitted to State Land Office Cultural Resources Specialist within fifteen (15) days of the expiration of this Authorization.** (An archeologist is not required to be present as long as there are no surface disturbance activities being performed).

It is our understanding that we can now proceed with assessment activities as outlined in the permit. The permit provides the Right of entry to complete the work. Please confirm via email for our records.

Christian

From: Gallegos, David <dgallegos@slo.state.nm.us>

Sent: Tuesday, May 23, 2023 8:18 AM

To: Laird, Jacob <Jacob.Laird@conocophillips.com>; Chama, Sam <SAM.CHAMA@tetrattech.com>

Cc: Crosby, Faith <fcrosby@slo.state.nm.us>; Naranjo, Mark <MNaranjo@slo.state.nm.us>; Moritz, Kyle <kmoritz@slo.state.nm.us>

Subject: [EXTERNAL]Approved Soil Boring Permit WE-822

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Good Morning Jacob and Sam,

I have attached to this email approved soil boring permit WE-822.

Please let me know how I can help if you have any questions.

Thanks,



David A. Gallegos

Water Resource Analyst

Oil, Gas and Minerals Division

505.476.0378

New Mexico State Land Office

310 Old Santa Fe Trail

P.O. Box 1148



Santa Fe, NM 87504-1148

dgallegos@slo.state.nm.us

nmstatelands.org

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From: [Enviro, OCD, EMNRD](#)
To: [Poole, Nicholas](#)
Cc: [Bratcher, Michael, EMNRD](#); [Velez, Nelson, EMNRD](#)
Subject: RE: [EXTERNAL] Incident ID: nAPP2310336759,- Confirmation Sampling
Date: Thursday, July 13, 2023 9:14:04 AM
Attachments: [image006.jpg](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)
[image010.png](#)
[image011.png](#)

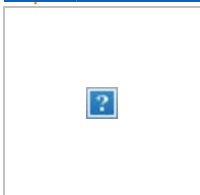
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Nicholas,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Poole, Nicholas <NICHOLAS.POOLE@tetrattech.com>
Sent: Wednesday, July 12, 2023 4:20 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Abbott, Sam <Sam.Abbott@tetrattech.com>; Llull, Christian <Christian.Llull@tetrattech.com>
Subject: [EXTERNAL] Incident ID: nAPP2310336759,- Confirmation Sampling

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Incident ID (n#) **nAPP2310336759** (Super Cobra St Com 1H)

To whom it may concern,

In accordance with Subsection D of 19.15.29.12 NMAC, the responsible party must verbally notify the appropriate division district office prior to conducting confirmation sampling.

Remediation activities of the release will begin Friday, July 14, 2023.

Thus, on behalf of ConocoPhillips for the above referenced incident, Tetra Tech is duly providing this communication which serves as notification that final confirmation sampling will be conducted at this site **Monday, July 17, 2023.**

NOTE: If you have any questions regarding this sampling schedule, please contact me.

Nicholas Poole | Staff Geoscientist
Mobile +1 (512) 560-9064 | nicholas.poole@tetrattech.com

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From: [Velez, Nelson, EMNRD](#)
To: [Abbott, Sam](#)
Cc: [Jacob.Laird@conocophillips.com](#); [Lull, Christian](#); [Bratcher, Michael, EMNRD](#)
Subject: Re: [EXTERNAL] Extension Request - nAPP2310336759 (Super Cobra State Com #001H)
Date: Thursday, June 22, 2023 9:42:17 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[Outlook-1epiuswb.png](#)

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

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Good morning Sam,

Your time extension request for an additional 90-days is approved. Remediation Due date has been updated to 09/19/2023 in the incident page.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>



From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Wednesday, June 21, 2023 2:54 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Velez, Nelson, EMNRD

<Nelson.Velez@emnrd.nm.gov>

Subject: FW: [EXTERNAL] Extension Request - nAPP2310336759 (Super Cobra State Com #001H)

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Abbott, Sam <Sam.Abbott@tetrattech.com>
Sent: Wednesday, June 21, 2023 1:18 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Laird, Jacob <Jacob.Laird@conocophillips.com>; Llull, Christian <Christian.Llull@tetrattech.com>
Subject: [EXTERNAL] Extension Request - nAPP2310336759 (Super Cobra State Com #001H)

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To Whom It May Concern,

On behalf of ConocoPhillips, Tetra Tech is requesting an additional 90-day extension (until September 26, 2023) to complete additional assessment activities and associated reporting for the Super Cobra State Com #001H Flowline Release site (**nAPP2310336759**). The release occurred on March 30, 2023, and the initial C-141 Report Form was received by NMOCD on April 13, 2023.

The release footprint is located on State Trust lands. As of December 1, 2022 New Mexico State Land Office's Cultural Properties Protection (CPP) Rule is in effect. In tandem with this CPP rule, the NMSLO has begun enforcing application and permitting requirements per Rule 12 (19.2.12 NMAC) for Water/Soil Boring Exploration Permits. Any intrusive activities (i.e. # soil borings to be drilled, sampling to be conducted, etc.) must be permitted through the Water Bureau, Oil, Gas, and Minerals Division, New Mexico State Land Office.

Tetra Tech and ConocoPhillips experienced a delay in scheduling assessment and remediation at the Super Cobra State Com #001H Release site while in the process of complying with these rules. The allocation of resources required to complete the cultural survey requirements and the Water/Soil Boring Exploration permit process are demanding and require additional time for coordination with not only regulatory personnel but additional archaeological subcontractors and cultural specialists. The cultural survey is now completed, the archaeological report was submitted and approved by

State Land Office Cultural Resources, and the soil boring permitting process was completed in late May (attached). Tetra Tech and ConocoPhillips have initiated assessment activities at the site, and need additional time to complete delineation and any subsequent reporting.

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

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

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APPENDIX D

Laboratory Analytical Data



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

June 02, 2023

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: SUPER COBRA STATE COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 05/31/23 12:32.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/31/2023	Sampling Date:	05/31/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: HA - 1 (0-1') (H232763-01)

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	06/01/2023	ND	2.10	105	2.00	5.18	
Toluene*	<0.050	0.050	06/01/2023	ND	2.13	106	2.00	9.13	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.22	111	2.00	9.16	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.59	110	6.00	9.89	
Total BTEX	<0.300	0.300	06/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	5520	16.0	06/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/01/2023	ND	166	83.2	200	0.903	
DRO >C10-C28*	<10.0	10.0	06/01/2023	ND	183	91.3	200	0.677	
EXT DRO >C28-C36	<10.0	10.0	06/01/2023	ND					

Surrogate: 1-Chlorooctane 71.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.2 % 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
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/31/2023	Sampling Date:	05/31/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: HA - 2 (0-1') (H232763-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/01/2023	ND	2.28	114	2.00	3.46		
Toluene*	<0.050	0.050	06/01/2023	ND	2.27	114	2.00	3.50		
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.23	111	2.00	3.30		
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.81	113	6.00	3.54		
Total BTEx	<0.300	0.300	06/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	12000	16.0	06/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/31/2023	ND	215	107	200	2.74	
DRO >C10-C28*	<10.0	10.0	05/31/2023	ND	216	108	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/31/2023	ND					

Surrogate: 1-Chlorooctane 131 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/31/2023	Sampling Date:	05/31/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: HA - 2 (2-2.5') (H232763-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/01/2023	ND	2.28	114	2.00	3.46		
Toluene*	<0.050	0.050	06/01/2023	ND	2.27	114	2.00	3.50		
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.23	111	2.00	3.30		
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.81	113	6.00	3.54		
Total BTEX	<0.300	0.300	06/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	10000	16.0	06/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/31/2023	ND	215	107	200	2.74	
DRO >C10-C28*	<10.0	10.0	05/31/2023	ND	216	108	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/31/2023	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/31/2023	Sampling Date:	05/31/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: HA - 3 (0-1') (H232763-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.28	114	2.00	3.46	
Toluene*	<0.050	0.050	06/01/2023	ND	2.27	114	2.00	3.50	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.23	111	2.00	3.30	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.81	113	6.00	3.54	
Total BTEx	<0.300	0.300	06/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	7860	16.0	06/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/31/2023	ND	215	107	200	2.74	
DRO >C10-C28*	<10.0	10.0	05/31/2023	ND	216	108	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/31/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Analytical Results For:

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

Received:	05/31/2023	Sampling Date:	05/31/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: HA - 4 (0-1') (H232763-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/01/2023	ND	2.28	114	2.00	3.46		
Toluene*	<0.050	0.050	06/01/2023	ND	2.27	114	2.00	3.50		
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.23	111	2.00	3.30		
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.81	113	6.00	3.54		
Total BTEX	<0.300	0.300	06/01/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/31/2023	ND	215	107	200	2.74		
DRO >C10-C28*	<10.0	10.0	05/31/2023	ND	216	108	200	4.55		
EXT DRO >C28-C36	<10.0	10.0	05/31/2023	ND						

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Analytical Results For:

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

Received:	05/31/2023	Sampling Date:	05/31/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: HA - 5 (0-1') (H232763-06)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/01/2023	ND	2.26	113	2.00	2.51		
Toluene*	<0.050	0.050	06/01/2023	ND	2.25	113	2.00	2.60		
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.21	110	2.00	3.09		
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.75	113	6.00	2.10		
Total BTEX	<0.300	0.300	06/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	32.0	16.0	06/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/31/2023	ND	215	107	200	2.74	
DRO >C10-C28*	<10.0	10.0	05/31/2023	ND	216	108	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/31/2023	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Analytical Results For:

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

Received:	05/31/2023	Sampling Date:	05/31/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: HA - 6 (0-1') (H232763-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.26	113	2.00	2.51	
Toluene*	<0.050	0.050	06/01/2023	ND	2.25	113	2.00	2.60	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.21	110	2.00	3.09	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.75	113	6.00	2.10	
Total BTEx	<0.300	0.300	06/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	112	16.0	06/01/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/31/2023	ND	215	107	200	2.74	
DRO >C10-C28*	<10.0	10.0	05/31/2023	ND	216	108	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/31/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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

Received:	05/31/2023	Sampling Date:	05/31/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: HA - 7 (0-1') (H232763-08)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/01/2023	ND	2.26	113	2.00	2.51		
Toluene*	<0.050	0.050	06/01/2023	ND	2.25	113	2.00	2.60		
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.21	110	2.00	3.09		
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.75	113	6.00	2.10		
Total BTEX	<0.300	0.300	06/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	96.0	16.0	06/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/31/2023	ND	215	107	200	2.74	
DRO >C10-C28*	<10.0	10.0	05/31/2023	ND	216	108	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/31/2023	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

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Analytical Results For:

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

Received:	05/31/2023	Sampling Date:	05/31/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: HA - 8 (0-1') (H232763-09)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.26	113	2.00	2.51	
Toluene*	<0.050	0.050	06/01/2023	ND	2.25	113	2.00	2.60	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.21	110	2.00	3.09	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.75	113	6.00	2.10	
Total BTEX	<0.300	0.300	06/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	48.0	16.0	06/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/31/2023	ND	215	107	200	2.74	
DRO >C10-C28*	<10.0	10.0	05/31/2023	ND	216	108	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/31/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

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

Received:	05/31/2023	Sampling Date:	05/31/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: HA - 9 (0-1') (H232763-10)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/01/2023	ND	2.26	113	2.00	2.51		
Toluene*	<0.050	0.050	06/01/2023	ND	2.25	113	2.00	2.60		
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.21	110	2.00	3.09		
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.75	113	6.00	2.10		
Total BTEx	<0.300	0.300	06/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	32.0	16.0	06/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/31/2023	ND	215	107	200	2.74	
DRO >C10-C28*	<10.0	10.0	05/31/2023	ND	216	108	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/31/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

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

Received:	05/31/2023	Sampling Date:	05/31/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: HA - 10 (0-1') (H232763-11)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/01/2023	ND	2.26	113	2.00	2.51		
Toluene*	<0.050	0.050	06/01/2023	ND	2.25	113	2.00	2.60		
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.21	110	2.00	3.09		
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.75	113	6.00	2.10		
Total BTEx	<0.300	0.300	06/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	208	16.0	06/01/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/01/2023	ND	215	107	200	2.74	
DRO >C10-C28*	<10.0	10.0	06/01/2023	ND	216	108	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	06/01/2023	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 14 of 15

Company Name: Tetra Tech

Project Manager: Christian Hull

Address:

City: State: Zip:

Phone #: Fax #:

Project #: 212-MD-03092 Project Owner: CencorPhillips

Project Name: Super Cobra State Com 1H

Project Location: Lea County, NM

Sampler Name: Colton Bickerstaff

BILL TO

P.O. #:

Company: Tetra Tech

Attn: Christian Hull

Address: email

City:

State: Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H232763

- 1 HA-1 (0-1')
- 2 HA-2 (0-1')
- 3 HA-2 (2'-2.5')
- 4 HA-3 (0-1')
- 5 HA-4 (0-1')
- 6 HA-5 (0-1')
- 7 HA-6 (0-1')
- 8 HA-7 (0-1')
- 9 HA-8 (0-1')
- 10 HA-9 (0-1')

G/RAB OR (COMP.

CONTAINERS

MATRIX

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

TPH

BTEX

Chlorides

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Relinquished By:

Date: 5/31/23

Time: 1:33

Date:

Time:

Relinquished By:

Date:

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

FORM-006-R 3/3 07/16/22

Observed Temp. °C 3.9

Corrected Temp. °C 3.3

Sample Condition

Cool Intact

Yes Yes

No No

CHECKED BY: (Initials)

Turnaround Time: Standard Rush

Bacteria (only) Sample Condition

Cool Intact Observed Temp. °C

Yes Yes

No No

Corrected Temp. °C

Thermometer ID #113

Correction Factor -0.6°C

Verbal Result: Yes No Add'l Phone #:

All Results are emailed. Please provide Email address:

REMARKS:

Christian.Hull@tetratech.com

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 15 of 15

Company Name: Tetra Tech
Project Manager: Christen Hull
Address: _____
City: _____ State: _____ Zip: _____
Phone #: _____ Fax #: _____
Project #: 212C-MD-03092 Project Owner: Conoco Phillips
Project Name: Super Cobra State Cor 1H
Project Location: Lea County, NM
Sampler Name: Colton Bickershoff

BILL TO
P.O. #: _____
Company: Tetra Tech
Attn: Christen Hull
Address: email
City: _____
State: _____ Zip: _____
Phone #: _____
Fax #: _____

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H232763
11 HA-10 (0-1')

(G)RAB OR (C)OMP # CONTAINERS	MATRIX					PRESERV.		SAMPLING	
	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE: ICE / COOL OTHER	DATE	TIME
<u>G 1</u>			<u>X</u>				<u>X</u>	<u>5/31/23</u>	

TPH
BTEX
Chlorides

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Relinquished By:

Date: 5/31/23
Time: 1332
Date: _____
Time: _____

Received By:

Received By:

Verbal Result: ☐ Yes ☒ No Add'l Phone #: _____

All Results are emailed. Please provide Email address:

REMARKS: Christen Hull@tetra-tech.com

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. °C

Corrected Temp. °C

3.9
3.3

Sample Condition
Cool Intact
☒ Yes ☐ No
☐ Yes ☐ No

CHECKED BY:
(Initials)

Turnaround Time:

Standard ☒
Rush ☐

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

Thermometer ID #113
Correction Factor -0.8°C

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



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

July 12, 2023

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: SUPER COBRA STATE COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 07/11/23 14:42.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/11/2023	Sampling Date:	07/11/2023
Reported:	07/12/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: T - 1 (3'-4') (H233528-01)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2023	ND	1.86	93.0	2.00	1.06	
Toluene*	<0.050	0.050	07/11/2023	ND	1.84	91.9	2.00	0.771	
Ethylbenzene*	<0.050	0.050	07/11/2023	ND	1.83	91.5	2.00	0.496	
Total Xylenes*	<0.150	0.150	07/11/2023	ND	5.61	93.5	6.00	0.395	
Total BTX	<0.300	0.300	07/11/2023	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20000	16.0	07/12/2023	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2023	ND	190	95.2	200	7.73	
DRO >C10-C28*	<10.0	10.0	07/12/2023	ND	204	102	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	07/12/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 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
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/11/2023	Sampling Date:	07/11/2023
Reported:	07/12/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: T - 1 (4'-5') (H233528-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/12/2023	ND	1.86	93.0	2.00	1.06		
Toluene*	<0.050	0.050	07/12/2023	ND	1.84	91.9	2.00	0.771		
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	1.83	91.5	2.00	0.496		
Total Xylenes*	<0.150	0.150	07/12/2023	ND	5.61	93.5	6.00	0.395		
Total BTEX	<0.300	0.300	07/12/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8000	16.0	07/12/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2023	ND	190	95.2	200	7.73	
DRO >C10-C28*	<10.0	10.0	07/12/2023	ND	204	102	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	07/12/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 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
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/11/2023	Sampling Date:	07/11/2023
Reported:	07/12/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: T - 1 (5'-6') (H233528-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/12/2023	ND	1.86	93.0	2.00	1.06		
Toluene*	<0.050	0.050	07/12/2023	ND	1.84	91.9	2.00	0.771		
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	1.83	91.5	2.00	0.496		
Total Xylenes*	<0.150	0.150	07/12/2023	ND	5.61	93.5	6.00	0.395		
Total BTEX	<0.300	0.300	07/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	2800	16.0	07/12/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2023	ND	190	95.2	200	7.73	
DRO >C10-C28*	<10.0	10.0	07/12/2023	ND	204	102	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	07/12/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/11/2023	Sampling Date:	07/11/2023
Reported:	07/12/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: T - 1 (6'-6.5') (H233528-04)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/12/2023	ND	1.86	93.0	2.00	1.06		
Toluene*	<0.050	0.050	07/12/2023	ND	1.84	91.9	2.00	0.771		
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	1.83	91.5	2.00	0.496		
Total Xylenes*	<0.150	0.150	07/12/2023	ND	5.61	93.5	6.00	0.395		
Total BTX	<0.300	0.300	07/12/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/12/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2023	ND	190	95.2	200	7.73	
DRO >C10-C28*	<10.0	10.0	07/12/2023	ND	204	102	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	07/12/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte




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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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Relinquished By: Colton Bickerstaff		Date: 7/11/23	Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
		Time: 1442			All Results are emailed. Please provide Email address: Christian.Lull@tetratech.com	
Relinquished By:		Date:	Received By:		REMARKS:	
		Time:				
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4.6 Corrected Temp. °C	Sample Condition Cool <input checked="" type="checkbox"/> Warm <input type="checkbox"/> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) 	Turnaround Time: Standard <input type="checkbox"/> Bacteria (only) Sample Condition	Rush: YES, 24 hr. RUSH TAT  Cool Intact Observed Temp. °C	
				Thermometer ID #143 #140 Correction Factor -0.5°C T.O. 7/11/23	<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	

FORM-006 R 3.2 10/07/21

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



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

July 17, 2023

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: SUPER COBRA STATE COM 1H

Enclosed are the results of analyses for samples received by the laboratory on 07/14/23 14:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/17/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: NSW - 1 (H233645-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	0.399	
Toluene*	<0.050	0.050	07/15/2023	ND	1.98	98.8	2.00	0.184	
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	1.89	94.6	2.00	1.21	
Total Xylenes*	<0.150	0.150	07/15/2023	ND	5.71	95.2	6.00	2.09	
Total BTX	<0.300	0.300	07/15/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/15/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2023	ND	197	98.5	200	4.59	
DRO >C10-C28*	<10.0	10.0	07/15/2023	ND	200	100	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/15/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/17/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: SSW - 1 (H233645-02)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	0.399		
Toluene*	<0.050	0.050	07/15/2023	ND	1.98	98.8	2.00	0.184		
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	1.89	94.6	2.00	1.21		
Total Xylenes*	<0.150	0.150	07/15/2023	ND	5.71	95.2	6.00	2.09		
Total BTX	<0.300	0.300	07/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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	<16.0	16.0	07/17/2023	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	07/15/2023	ND	197	98.5	200	4.59	
DRO >C10-C28*	<10.0	10.0	07/15/2023	ND	200	100	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/15/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/17/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: ESW - 1 (H233645-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	0.399		
Toluene*	<0.050	0.050	07/15/2023	ND	1.98	98.8	2.00	0.184		
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	1.89	94.6	2.00	1.21		
Total Xylenes*	<0.150	0.150	07/15/2023	ND	5.71	95.2	6.00	2.09		
Total BTEx	<0.300	0.300	07/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	<16.0	16.0	07/17/2023	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	07/15/2023	ND	197	98.5	200	4.59	
DRO >C10-C28*	<10.0	10.0	07/15/2023	ND	200	100	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/15/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/17/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: WSW - 1 (H233645-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	0.399		
Toluene*	<0.050	0.050	07/15/2023	ND	1.98	98.8	2.00	0.184		
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	1.89	94.6	2.00	1.21		
Total Xylenes*	<0.150	0.150	07/15/2023	ND	5.71	95.2	6.00	2.09		
Total BTEx	<0.300	0.300	07/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	<16.0	16.0	07/17/2023	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	07/15/2023	ND	197	98.5	200	4.59	
DRO >C10-C28*	<10.0	10.0	07/15/2023	ND	200	100	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/15/2023	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/17/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: FS - 1 (H233645-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	0.399		
Toluene*	<0.050	0.050	07/15/2023	ND	1.98	98.8	2.00	0.184		
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	1.89	94.6	2.00	1.21		
Total Xylenes*	<0.150	0.150	07/15/2023	ND	5.71	95.2	6.00	2.09		
Total BTEx	<0.300	0.300	07/15/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/17/2023	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	07/15/2023	ND	197	98.5	200	4.59	
DRO >C10-C28*	<10.0	10.0	07/15/2023	ND	200	100	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/15/2023	ND					

Surrogate: 1-Chlorooctane 74.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 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
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/17/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: FS - 2 (H233645-06)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	0.399	
Toluene*	<0.050	0.050	07/15/2023	ND	1.98	98.8	2.00	0.184	
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	1.89	94.6	2.00	1.21	
Total Xylenes*	<0.150	0.150	07/15/2023	ND	5.71	95.2	6.00	2.09	
Total BTEX	<0.300	0.300	07/15/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/17/2023	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	07/15/2023	ND	197	98.5	200	4.59	
DRO >C10-C28*	<10.0	10.0	07/15/2023	ND	200	100	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/15/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 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
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/14/2023	Sampling Date:	07/14/2023
Reported:	07/17/2023	Sampling Type:	Soil
Project Name:	SUPER COBRA STATE COM 1H	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03092	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: FS - 3 (H233645-07)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2023	ND	2.02	101	2.00	0.399	
Toluene*	<0.050	0.050	07/15/2023	ND	1.98	98.8	2.00	0.184	
Ethylbenzene*	<0.050	0.050	07/15/2023	ND	1.89	94.6	2.00	1.21	
Total Xylenes*	<0.150	0.150	07/15/2023	ND	5.71	95.2	6.00	2.09	
Total BTX	<0.300	0.300	07/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	240	16.0	07/17/2023	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	07/15/2023	ND	197	98.5	200	4.59	
DRO >C10-C28*	<10.0	10.0	07/15/2023	ND	200	100	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/15/2023	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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", is written over a horizontal line.

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

[illegible]

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Relinquished By: Colton Bickerstaff		Date: 7/14/23	Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:		Time:	Received By:		All Results are emailed. Please provide Email address: Christian.Llull@etratech.com	
		Date:			REMARKS:	
		Time:				
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C Corrected Temp. °C -0.12	Sample Condition Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) 	Turnaround Time: Standard <input type="checkbox"/> Bacteria (only) Sample Condition <input checked="" type="checkbox"/>	Rush: YES, 24 hr. RUSH TAT	Thermometer ID #113 Correction Factor -0.5°C
				Cool Intact <input checked="" type="checkbox"/> Observed Temp. °C	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	

FORM-006 R 3.2 10/07/21

FORM-006 R 3.2 10/07/21

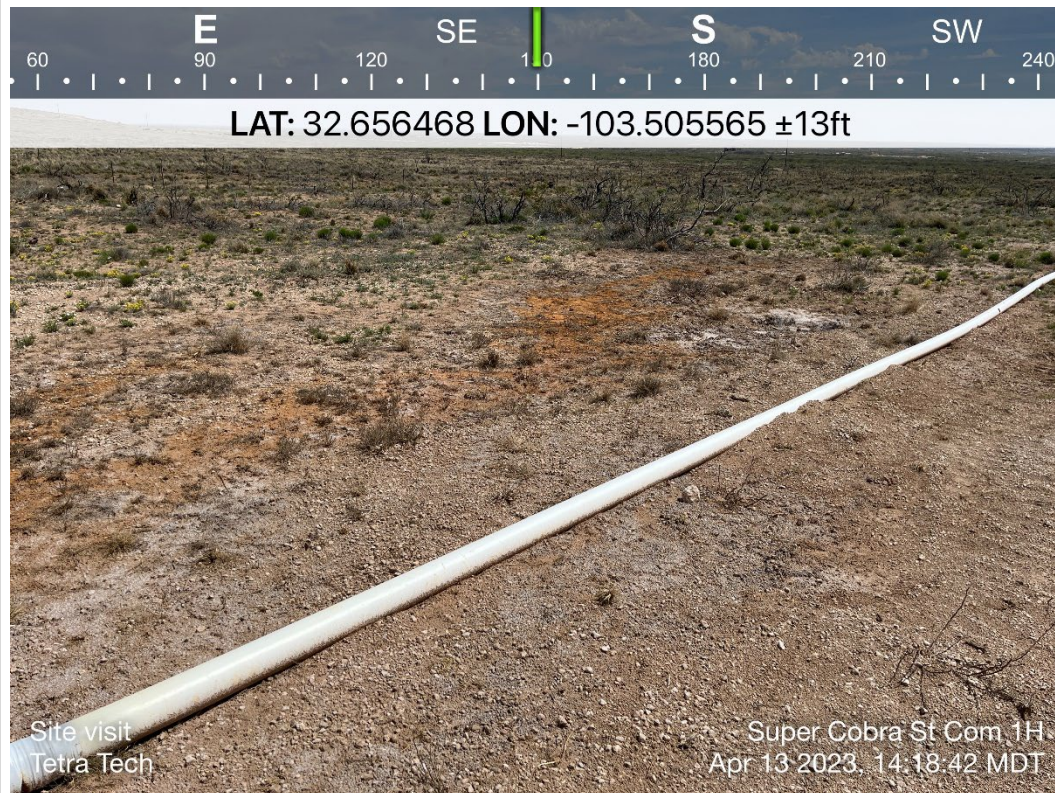
† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

APPENDIX E

Photographic Documentation



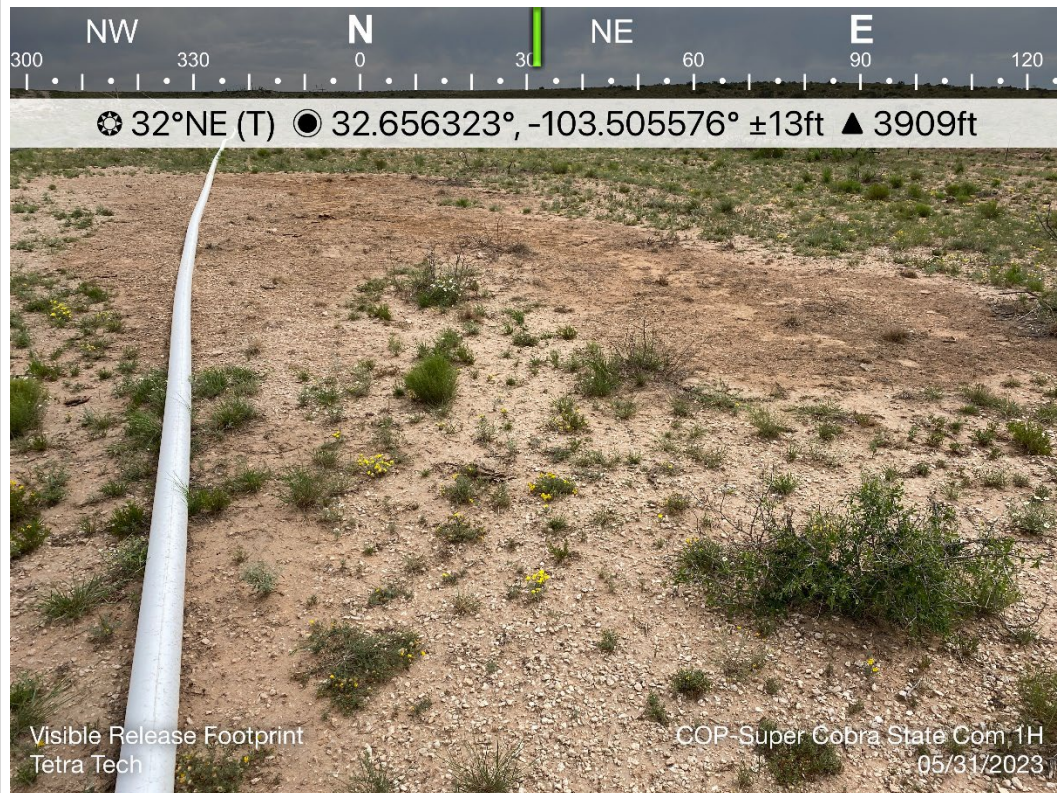
TETRA TECH, INC. PROJECT NO. 212C-MD-03092	DESCRIPTION	View southeast of release extent.	1
	SITE NAME	SUPER COBRA STATE COM #001H RELEASE	4/13/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03092	DESCRIPTION	View southeast of release extent.	2
	SITE NAME	SUPER COBRA STATE COM #001H RELEASE	4/13/2023



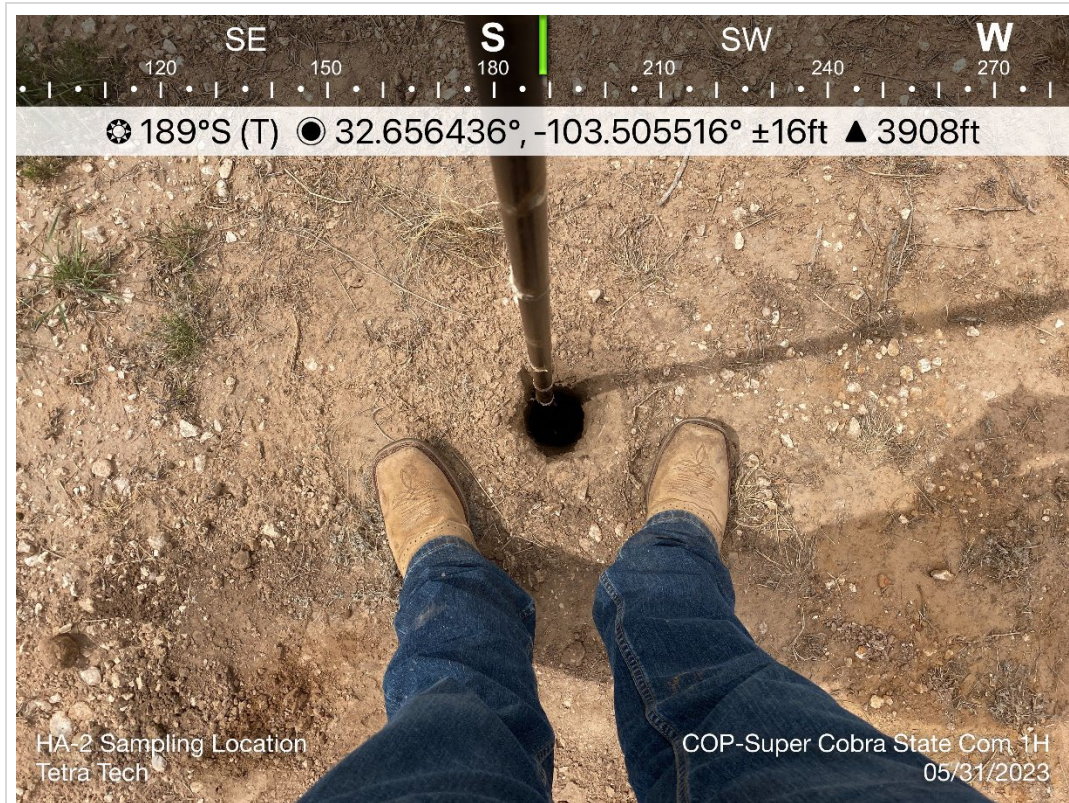
TETRA TECH, INC. PROJECT NO. 212C-MD-03092	DESCRIPTION	View of repaired flowline.	3
	SITE NAME	SUPER COBRA STATE COM #001H RELEASE	4/13/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03092	DESCRIPTION	View north of release extent and flowline.	4
	SITE NAME	SUPER COBRA STATE COM #001H RELEASE	5/31/2023



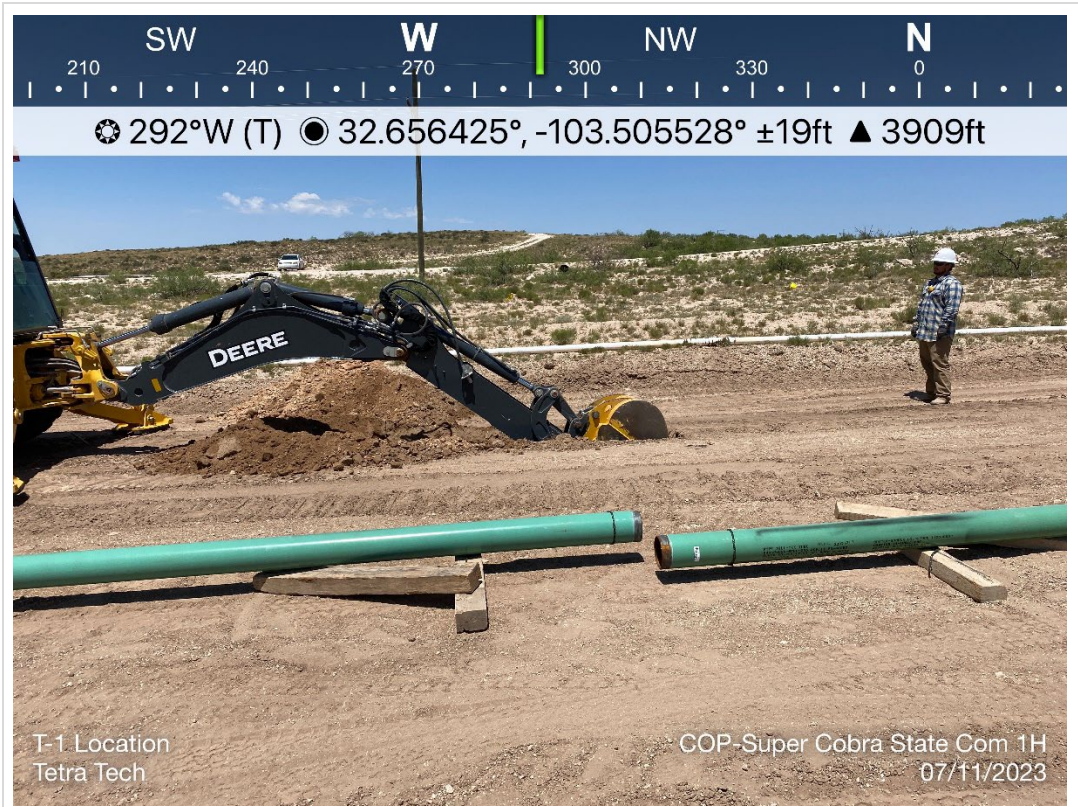
TETRA TECH, INC. PROJECT NO. 212C-MD-03092	DESCRIPTION	Hand auger location HA-1	5
	SITE NAME	SUPER COBRA STATE COM #001H RELEASE	5/31/2023



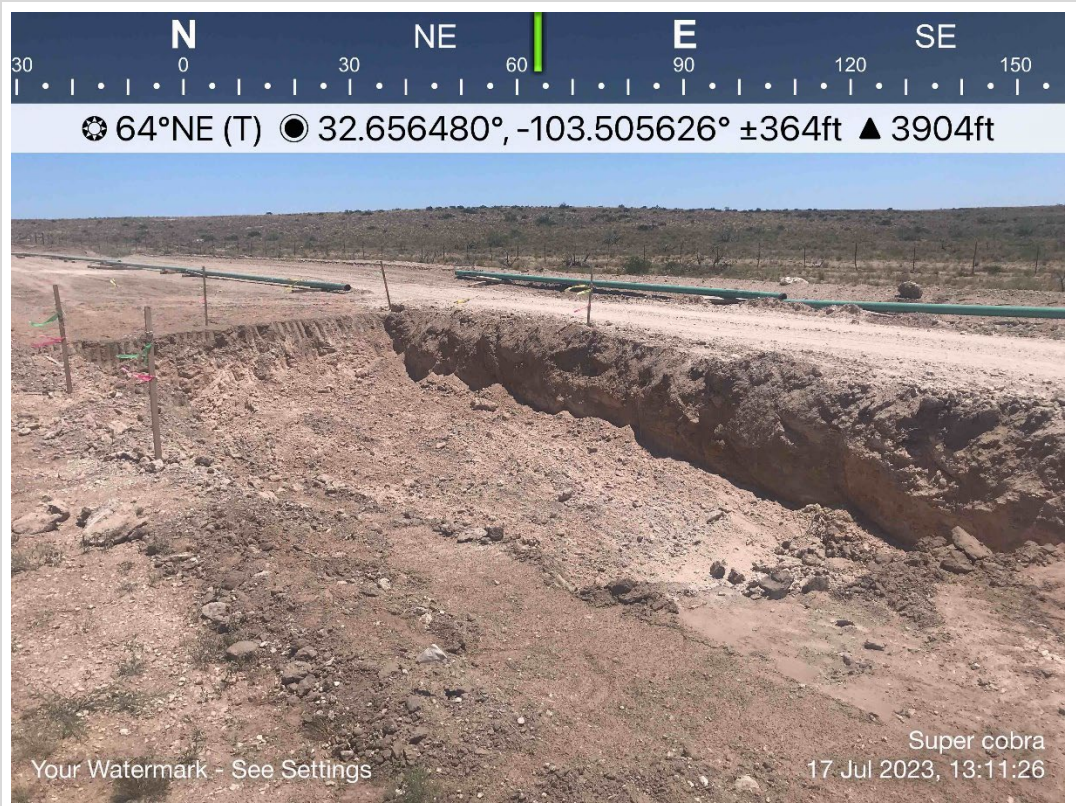
TETRA TECH, INC. PROJECT NO. 212C-MD-03092	DESCRIPTION	Hand auger location HA-2	6
	SITE NAME	SUPER COBRA STATE COM #001H RELEASE	5/31/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03092	DESCRIPTION	View south. Trench location T-1 and Plains pipeline installation.	7
	SITE NAME	SUPER COBRA STATE COM #001H RELEASE	7/11/2023



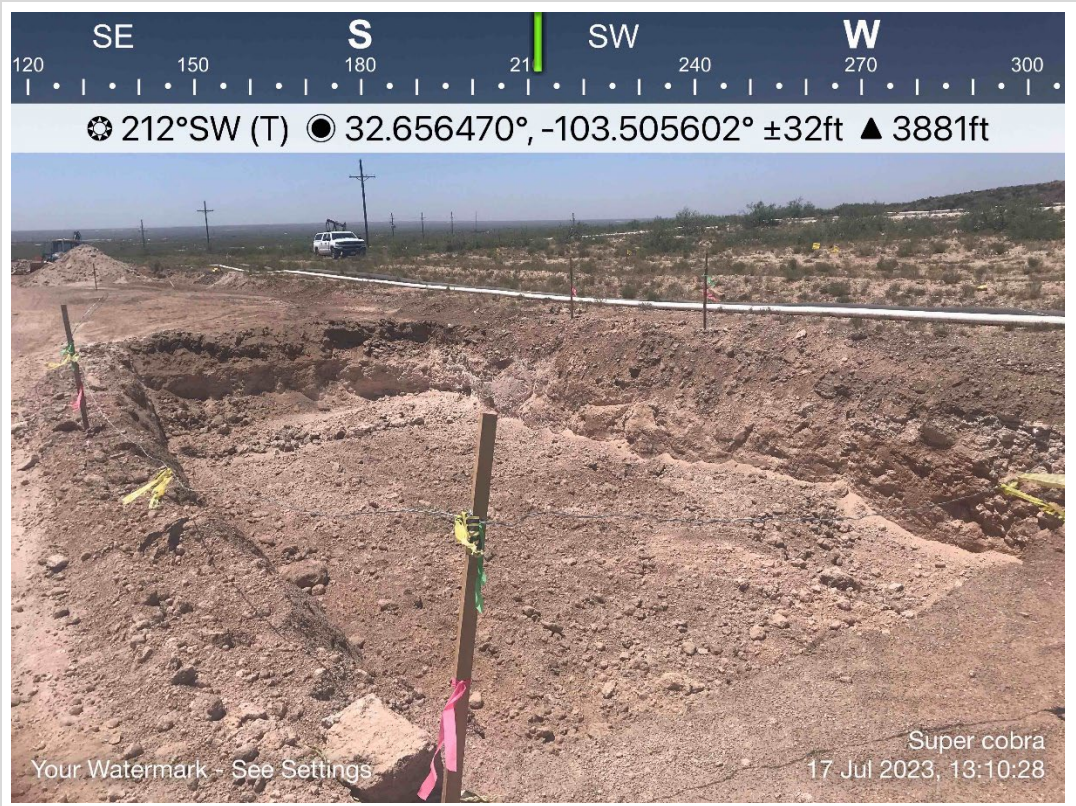
TETRA TECH, INC. PROJECT NO. 212C-MD-03092	DESCRIPTION	View west. Trench location T-1 and Plains pipeline installation.	8
	SITE NAME	SUPER COBRA STATE COM #001H RELEASE	7/11/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03092	DESCRIPTION	View northeast of excavated area.	9
	SITE NAME	SUPER COBRA STATE COM #001H RELEASE	7/17/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03092	DESCRIPTION	View southeast of excavated area.	10
	SITE NAME	SUPER COBRA STATE COM #001H RELEASE	7/17/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03092	DESCRIPTION	View south of excavated area.	11
	SITE NAME	SUPER COBRA STATE COM #001H RELEASE	7/17/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03092	DESCRIPTION	View north of excavated area	12
	SITE NAME	SUPER COBRA STATE COM #001H RELEASE	7/17/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03092	DESCRIPTION	View west of backfilled area.	13
	SITE NAME	SUPER COBRA STATE COM #001H RELEASE	7/18/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03092	DESCRIPTION	View north of backfilled area.	14
	SITE NAME	SUPER COBRA STATE COM #001H RELEASE	7/18/2023

APPENDIX F

Waste Manifests



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JACOB LAIRD
AFE #:
PO #:
Manifest #: 1
Manif. Date: 7/17/2023
Hauler: MCNABB PARTNERS
Driver: JOSH
Truck #: M35
Card #
Job Ref #

Ticket #: 700-1452172
Bid #: O6UJ9A000JEC
Date: 7/17/2023
Generator: CONOCOPHILLIPS
Generator #: 40946
Well Ser. #: 41987
Well Name: SUPER COBRA STATE COM
Well #: 001H
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

13.00 yards

Generator Certification Statement of Waste Status

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JACOB LAIRD
AFE #:
PO #:
Manifest #: 2
Manif. Date: 7/17/2023
Hauler: MCNABB PARTNERS LLC
Driver: GUMER
Truck #: M36
Card #
Job Ref #

Ticket #: 700-1452177
Bid #: O6UJ9A000JEC
Date: 7/17/2023
Generator: CONOCOPHILLIPS
Generator #: 40946
Well Ser. #: 41987
Well Name: SUPER COBRA STATE COM
Well #: 001H
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	16.00 yards

Generator Certification Statement of Waste Status

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

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

Driver/ Agent Signature

R360 Representative Signature

A handwritten signature in blue ink, appearing to read "Gumer Rdz", is written over a horizontal line.

A handwritten signature in blue ink, appearing to be a stylized "fmb", is written over a horizontal line.

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JACOB LAIRD
 AFE #:
 PO #:
 Manifest #: 3
 Manif. Date: 7/17/2023
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M35
 Card #
 Job Ref #

Ticket #: 700-1452223
 Bid #: O6UJ9A000JEC
 Date: 7/17/2023
 Generator: CONOCOPHILLIPS
 Generator #: 40946
 Well Ser. #: 41987
 Well Name: SUPER COBRA STATE COM
 Well #: 001H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	13.00 yards

Generator Certification Statement of Waste Status

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

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☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JACOB LAIRD
 AFE #:
 PO #:
 Manifest #: 4
 Manif. Date: 7/17/2023
 Hauler: MCNABB PARTNERS LLC
 Driver: GUMER
 Truck #: M36
 Card #
 Job Ref #

Ticket #: 700-1452232
 Bid #: O6UJ9A000JEC
 Date: 7/17/2023
 Generator: CONOCOPHILLIPS
 Generator #: 40946
 Well Ser. #: 41987
 Well Name: SUPER COBRA STATE COM
 Well #: 001H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	16.00 yards

Generator Certification Statement of Waste Status

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JACOB LAIRD
AFE #:
PO #:
Manifest #: 5
Manif. Date: 7/17/2023
Hauler: MCNABB PARTNERS LLC
Driver: JOSH
Truck #: M35
Card #
Job Ref #

Ticket #: 700-1452282
Bid #: O6UJ9A000JEC
Date: 7/17/2023
Generator: CONOCOPHILLIPS
Generator #: 40946
Well Ser. #: 41987
Well Name: SUPER COBRA STATE COM
Well #: 001H
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	13.00 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
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☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

A handwritten signature in blue ink, appearing to be "JML", is written over a horizontal line.

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JACOB LAIRD
 AFE #:
 PO #:
 Manifest #: 6
 Manif. Date: 7/17/2023
 Hauler: MCNABB PARTNERS LLC
 Driver: GUMER
 Truck #: M36
 Card #
 Job Ref #

Ticket #: 700-1452307
 Bid #: O6UJ9A000JEC
 Date: 7/17/2023
 Generator: CONOCOPHILLIPS
 Generator #: 40946
 Well Ser. #: 41987
 Well Name: SUPER COBRA STATE COM
 Well #: 001H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

16.00 yards

Generator Certification Statement of Waste Status

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JACOB LAIRD
 AFE #:
 PO #:
 Manifest #: 7
 Manif. Date: 7/17/2023
 Hauler: MCNABB PARTNERS
 Driver: JOSH
 Truck #: M35
 Card #
 Job Ref #

Ticket #: 700-1452359
 Bid #: O6UJ9A000JEC
 Date: 7/17/2023
 Generator: CONOCOPHILLIPS
 Generator #: 40946
 Well Ser. #: 41987
 Well Name: SUPER COBRA STATE COM
 Well #: 001H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

13.00 yards

Generator Certification Statement of Waste Status

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

**Permian Basin**

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JACOB LAIRD
AFE #:
PO #:
Manifest #: 8
Manif. Date: 7/17/2023
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M36
Card #
Job Ref #

Ticket #: 700-1452375
Bid #: O6UJ9A000JEC
Date: 7/17/2023
Generator: CONOCOPHILLIPS
Generator #: 40946
Well Ser. #: 41987
Well Name: SUPER COBRA STATE COM
Well #: 001H
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI**Product / Service****Quantity Units****Contaminated Soil (RCRA Exempt)**

16.00 yards

Generator Certification Statement of Waste Status

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

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

Driver/ Agent Signature**R360 Representative Signature**

A handwritten signature in black ink, appearing to read "Gumer Rdz", written over a horizontal line.

A handwritten signature in black ink, consisting of stylized loops and flourishes, written over a horizontal line.

Customer Approval**THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JACOB LAIRD
AFE #:
PO #:
Manifest #: 9
Manif. Date: 7/18/2023
Hauler: MCNABB PARTNERS LLC
Driver: GUMER
Truck #: M36
Card #
Job Ref #

Ticket #: 700-1452675
Bid #: O6UJ9A000JEC
Date: 7/18/2023
Generator: CONOCOPHILLIPS
Generator #: 40946
Well Ser. #: 41987
Well Name: SUPER COBRA STATE COM
Well #: 001H
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

16.00 yards

Generator Certification Statement of Waste Status

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

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

Driver/ Agent Signature

R360 Representative Signature

A handwritten signature in blue ink, appearing to read "Gumer Rdz", written over a horizontal line.

A handwritten signature in blue ink, appearing to read "Curtis", written over a horizontal line.

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

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

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

CONDITIONS

Action 262935

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 262935
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	12/29/2023