



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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August 29, 2023

ConocoPhillips

## 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.

## REMEDIATION 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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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

## 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

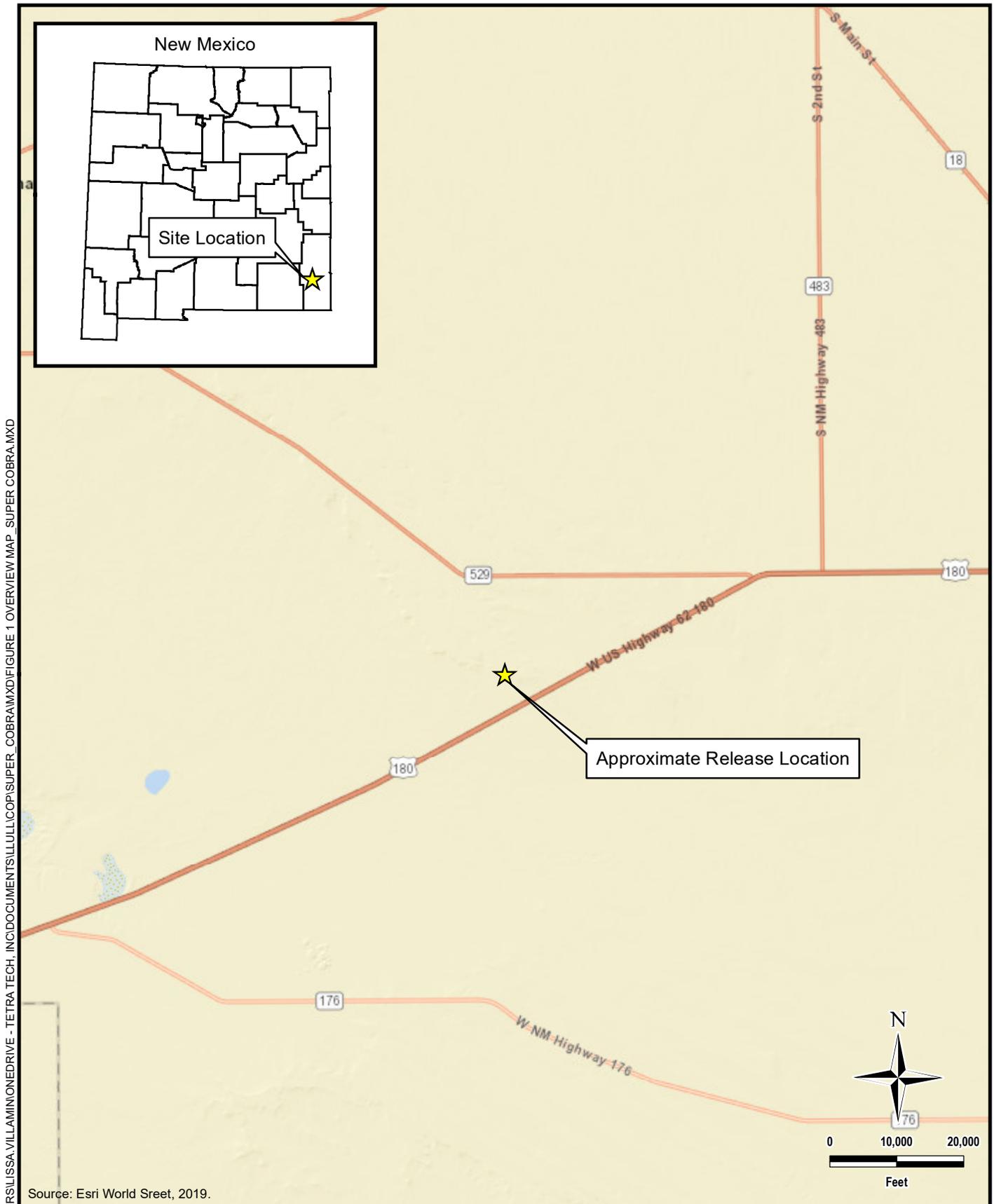
### Tables:

- 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**



DOCUMENT PATH: C:\USERS\LISSA.VILLAMINONEDRIVE - TETRA TECH\INC\DOCUMENTS\11111\COP\SUPER\_COBRAMXD\FIGURE 1 OVERVIEW MAP\_SUPER COBRA.MXD

Source: Esri World Sreet, 2019.

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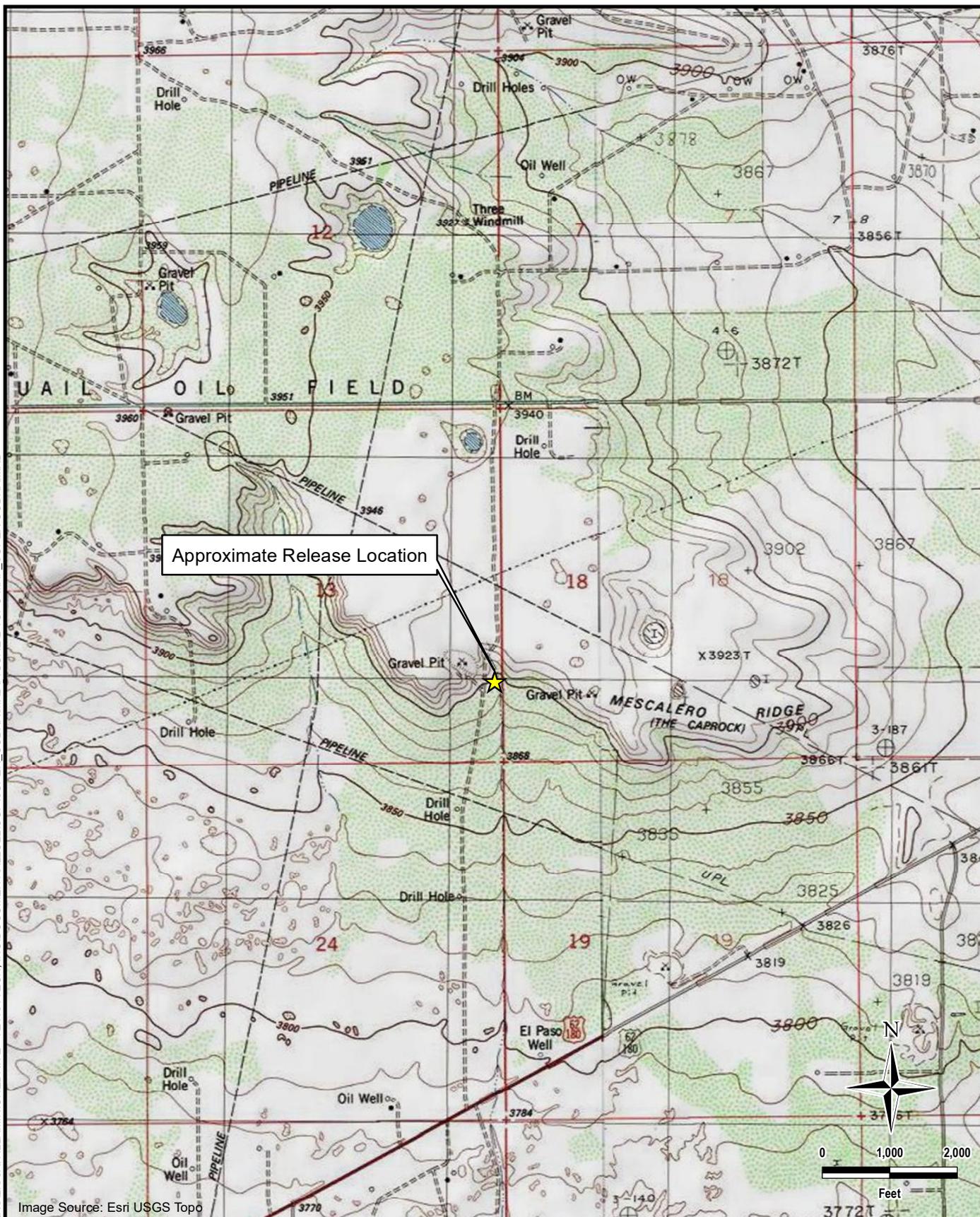
**CONOCOPHILLIPS**  
 NAPP2310336759  
 (32.656428° - 103.505556°)  
 LEA COUNTY, NEW MEXICO

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

PROJECT NO.: 212C-MD-03092  
 DATE: JUNE 12, 2023  
 DESIGNED BY: LMV

Figure No.  
**1**

DOCUMENT PATH: C:\USERS\LISSA.VILLAMONEDRIVE - TETRA TECH\INC\DOCUMENTS\ILLUSTRATIONS\COPR\SUPER\_COBRAMXD\FIGURE 2 TOPO MAP\_SUPER\_COBRAMXD.MXD



Approximate Release Location

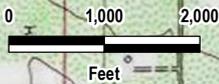


Image Source: Esri USGS Topo



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 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**

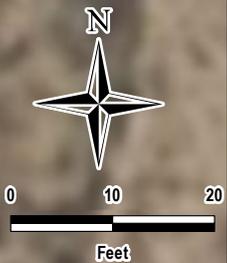
DOCUMENT PATH: C:\USERS\LISSA.VILLAMONEDRIVE - TETRA TECH\INCIDENTS\ILLULLI\COPIS\SUPER\_COBRAMXD\FIGURE 3 RELEASE\_SUPER COBRA.MXD



**Legend**

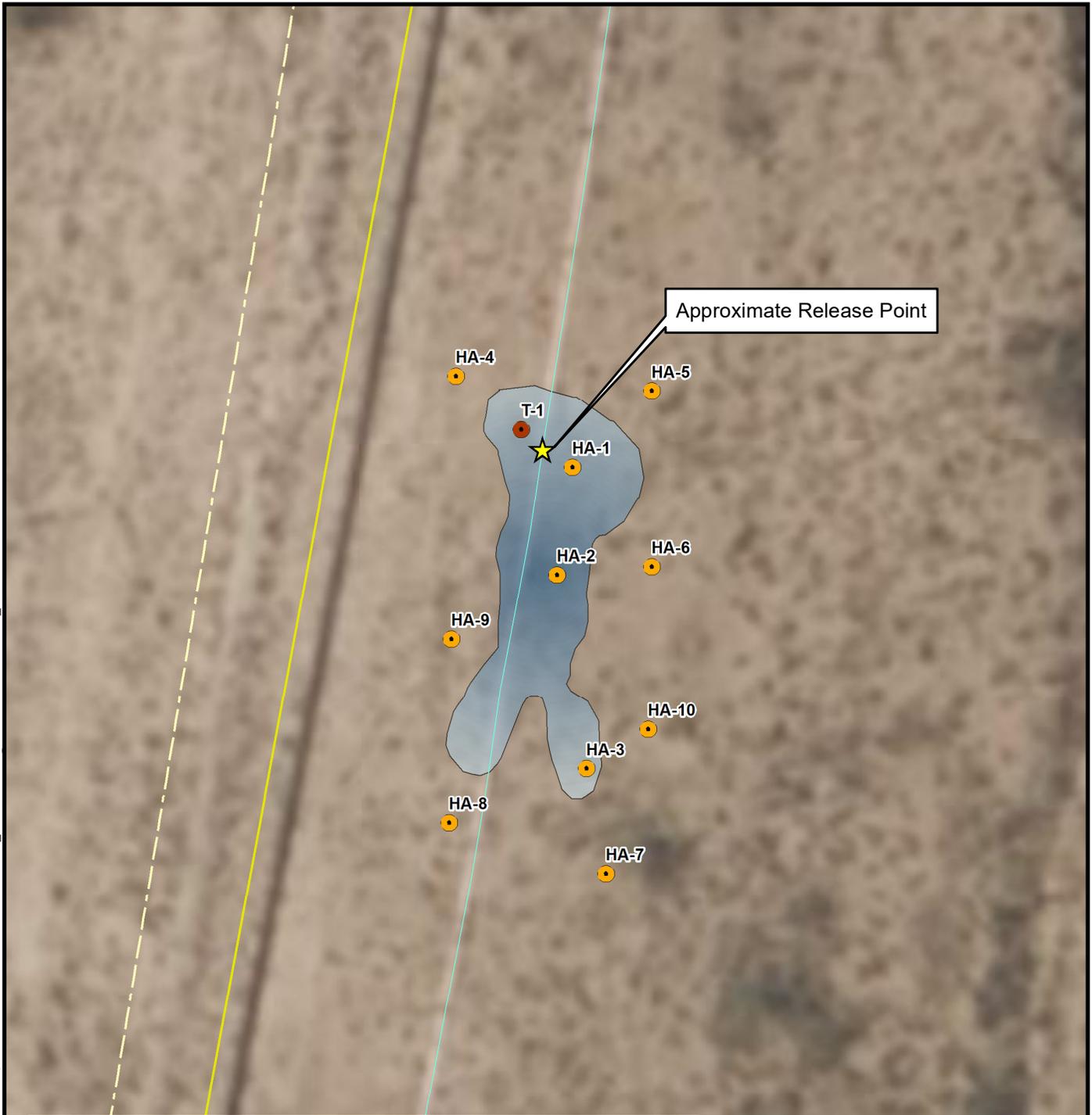
- Approximate Release Extent
- Surface Line 12"
- Surface Poly Flowline
- Subsurface Line (Plains)

Source: Bing Maps.



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	<p>Figure No.</p> <p><b>3</b></p>	

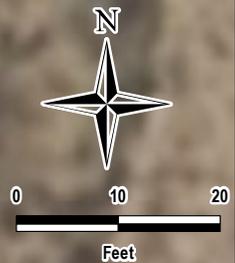
DOCUMENT PATH: C:\USERS\LISSA.VILLAMINIONEDRIVE - TETRA TECH\INCIDENTS\ILLULLUCOPI\SUPER\_COBRAMXD\FIGURE 4 SITE ASSESS - SUPER COBRA.MXD



**Legend**

- Trench Sample Location
- Hand Auger Sample Location
- Approximate Release Extent
- Surface Poly Flowline
- Surface Line 12"
- Subsurface Line (Plains)

Source: Bing Maps.



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	<p><b>SUPER COBRA ST COM 1H RELEASE SITE ASSESSMENT MAP</b></p>	<p>DATE: AUGUST 14, 2023</p> <p>DESIGNED BY: LMV</p>
		<p>Figure No. <b>4</b></p>

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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.



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

**SUPER COBRA ST COM 1H RELEASE  
REMEDICATION EXTENTS AND CONFIRMATION SAMPLING LOCATIONS**

PROJECT NO.:	212C-MD-03092
DATE:	AUGUST 14, 2023
DESIGNED BY:	LMV
Figure No.	<b>5</b>

# **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 <sup>1</sup>		BTEX <sup>2</sup>								TPH <sup>3</sup>										
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		(GRO+DRO)	Total TPH (GRO+DRO+EXT DRO)	
							mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q			mg/kg
HA-1	5/31/2023	0-1	5270	-	<b>5520</b>		<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	-	<b>12000</b>		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
		2-2.5	8720	-	<b>10000</b>		<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	-	-	<b>20000</b>		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
		4-5	-	-	<b>8000</b>		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
		5-6	-	-	<b>2800</b>		<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	-	<b>7860</b>		<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 SM4500CI-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		BTEX <sup>2</sup>										TPH <sup>3</sup>							
			Chloride	Chloride <sup>1</sup>	Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH	
					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
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

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

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

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

State of New Mexico  
Oil Conservation Division

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: _____
<b><u>OCD Only</u></b> Received by: <u>Jocelyn Harimon</u> Date: <u>04/13/2023</u>

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

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

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

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 <b>not</b> 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

State of New Mexico  
Oil Conservation Division

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

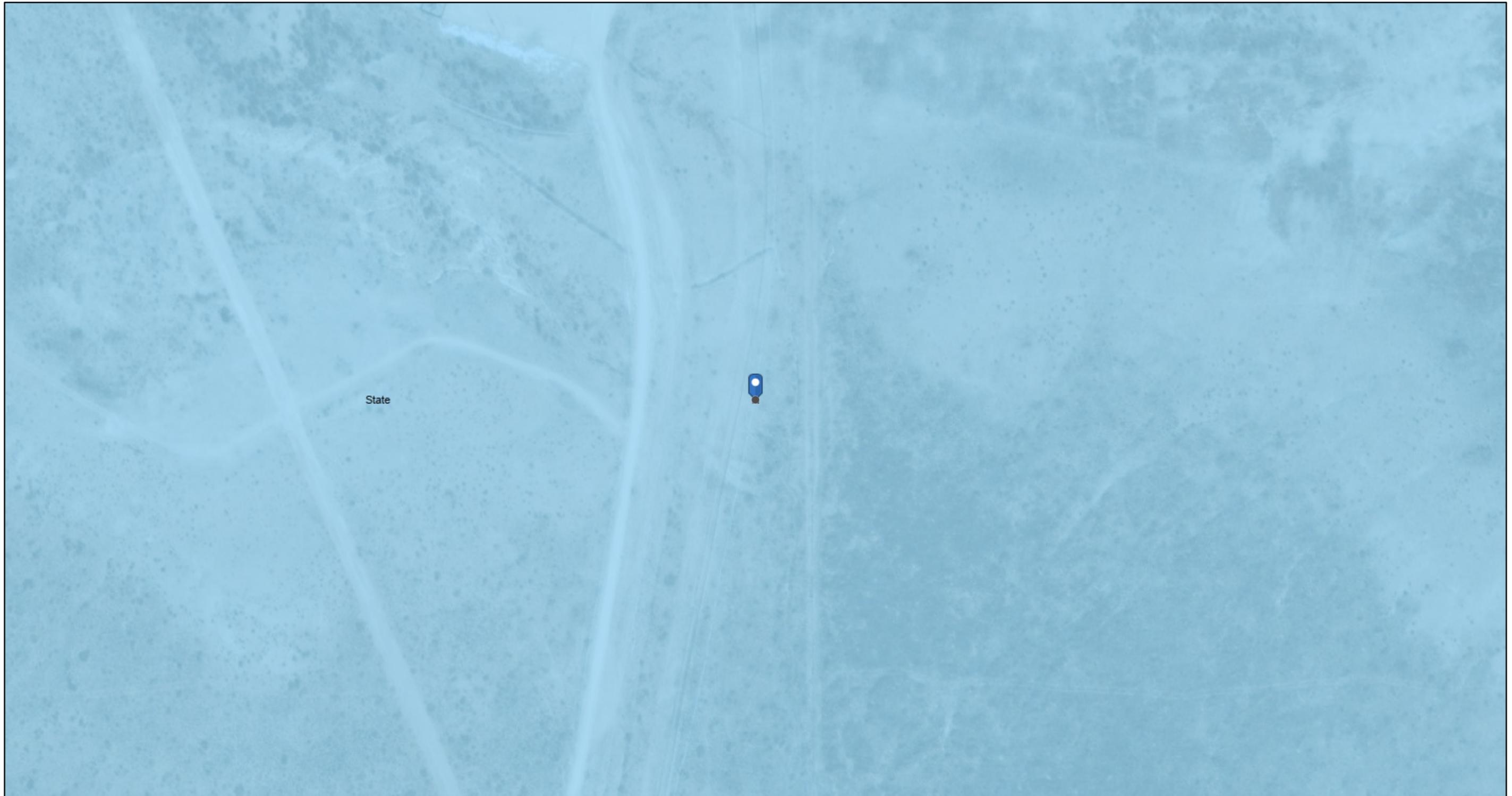
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance 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



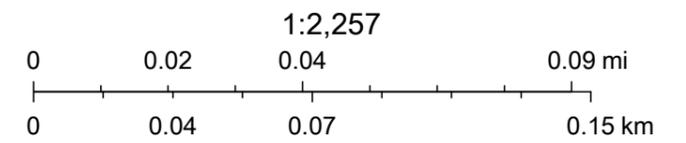
5/8/2023, 3:56:19 PM

Mineral Ownership

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

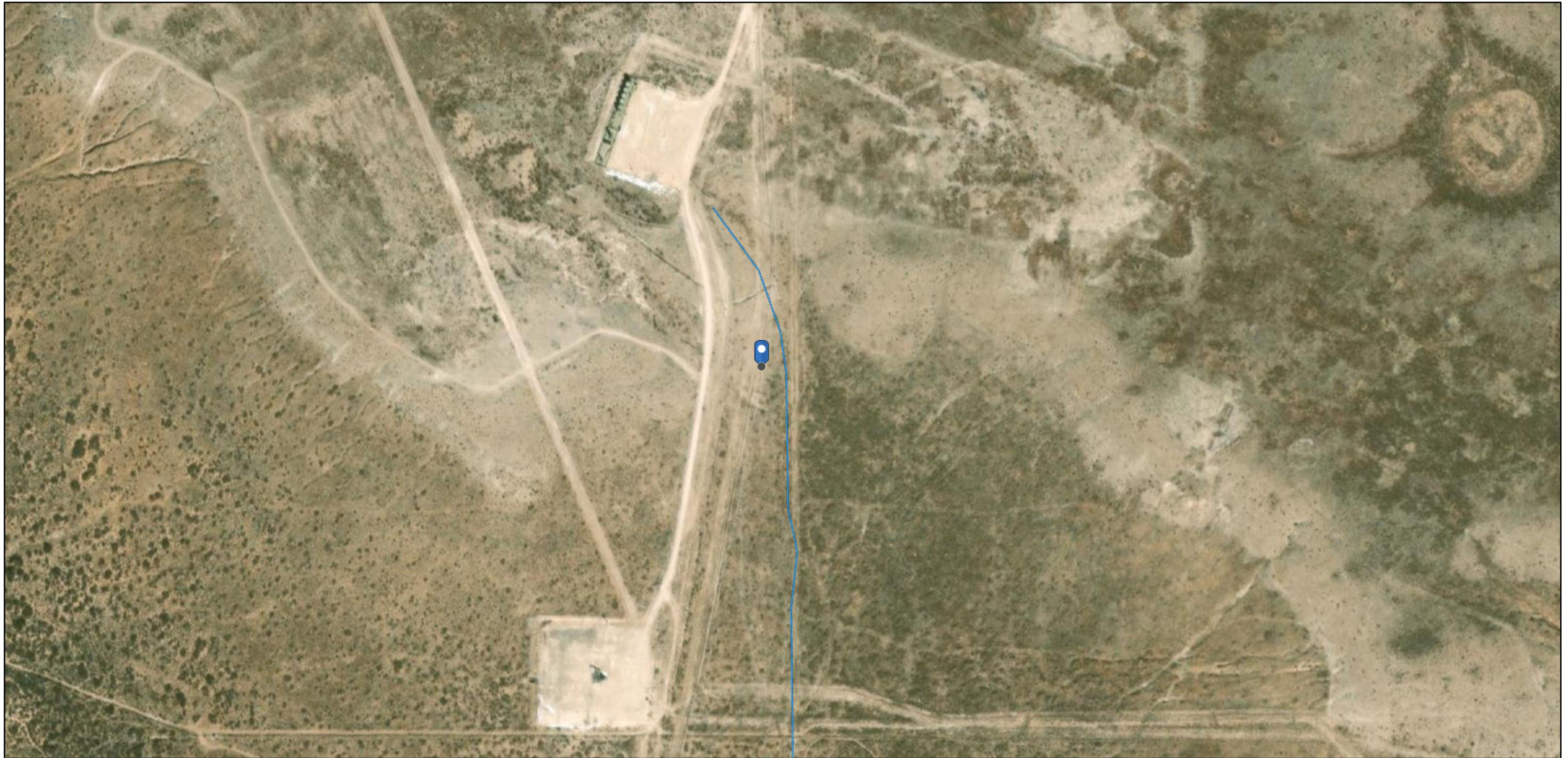
Land Ownership

S



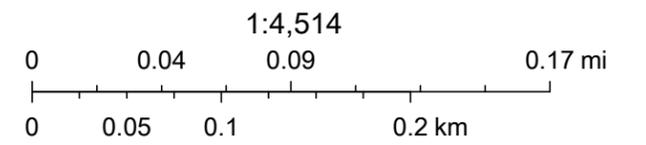
U.S. BLM, Maxar, Microsoft, Esri, HERE, Garmin, iPC

# OCD Water Bodies Map



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

— OSE Streams

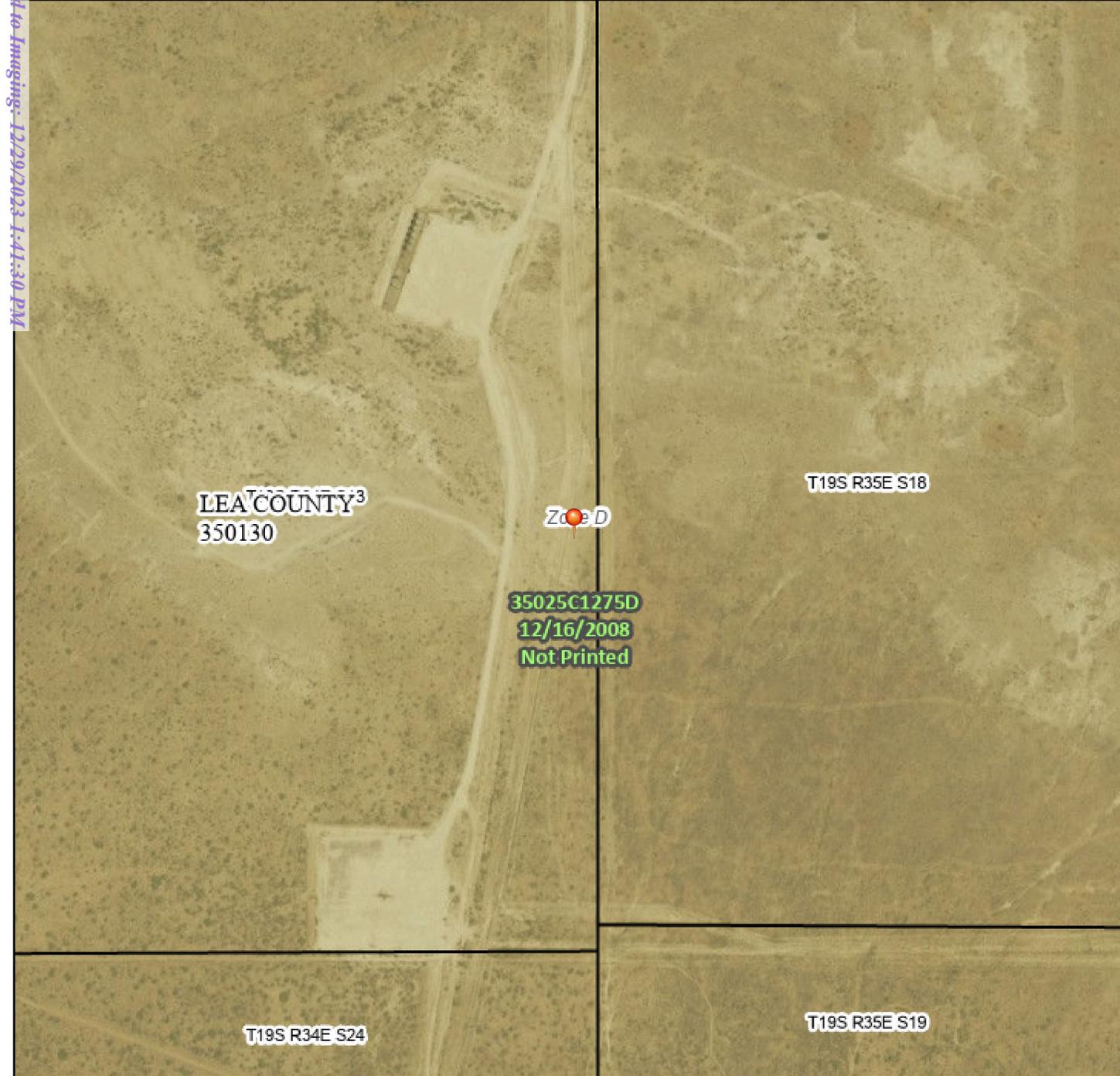


Esri, HERE, Garmin, iPC, Maxar, NM OSE

# 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 Zone X
  - Future Conditions 1% Annual Chance Flood Hazard Zone X
  - Area with Reduced Flood Risk due to Levee. See Notes. Zone X
  - Area with Flood Risk due to Levee Zone X
- OTHER AREAS**
  - NO SCREEN Area of Minimal Flood Hazard Zone X
  - Effective LOMRs
  - Area of Undetermined Flood Hazard Zone D
- GENERAL STRUCTURES**
  - Channel, Culvert, or Storm Sewer
  - Levee, Dike, or Floodwall
- OTHER FEATURES**
  - 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.

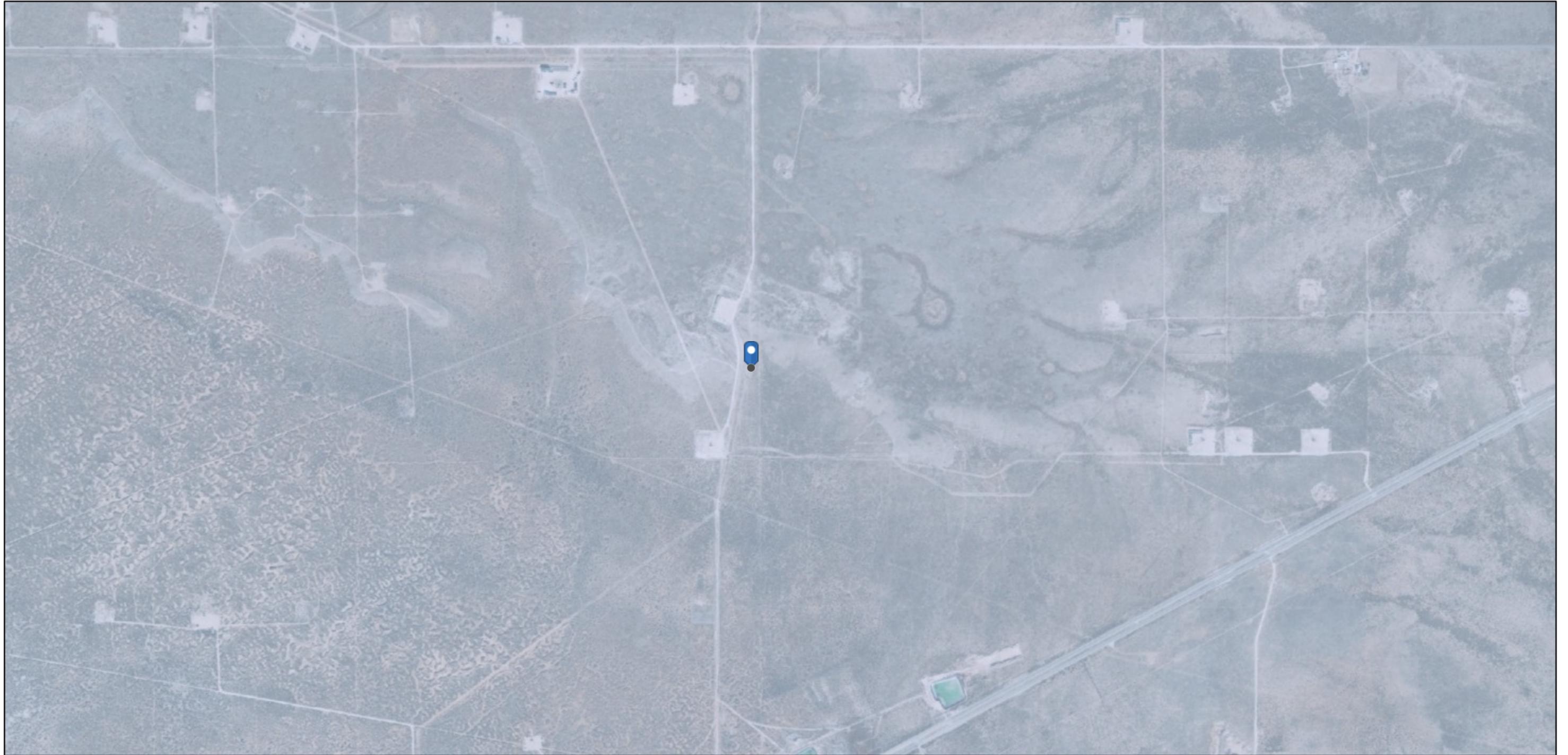
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

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

Received by OCD: 9/28/2023 8:03:48 AM

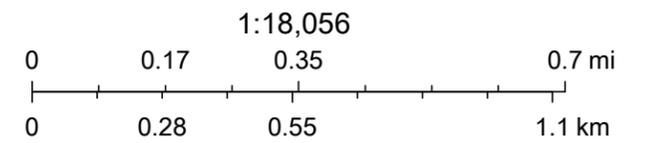
Page 25 of 98

# 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 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column		
<a href="#">L 08234 S</a>		L	LE	4	4	1	18	19S	35E	640871	3614751*	918	106	60	46		
<a href="#">L 08941</a>		L	LE	2	3	3	19	19S	35E	640510	3612523	1696	600	286	314		
<a href="#">L 14208 POD1</a>		L	LE	2	2	2	18	19S	35E	641685	3615464	2000	78				
<a href="#">L 08234 S2</a>		L	LE				3	17	19S	35E	642192	3614259*	2042	126	80	46	
<a href="#">L 09569</a>		L	LE				4	3	17	19S	35E	642394	3614063*	2246	80	30	50
<a href="#">L 08234</a>		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).

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



Albuquerque Office  
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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*

COMMISSIONER'S  
OFFICE

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

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

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

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



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

# 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](http://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](mailto:avelazquez@slo.state.nm.us)  
[nmstatelands.org](http://nmstatelands.org)



.....

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---

**From:** Llull, Christian <[Christian.Llull@tetrattech.com](mailto:Christian.Llull@tetrattech.com)>  
**Sent:** Tuesday, July 11, 2023 12:05 PM  
**To:** Armijo, Melissa <[marmijo@slo.state.nm.us](mailto:marmijo@slo.state.nm.us)>; Velazquez, Amy <[avelazquez@slo.state.nm.us](mailto:avelazquez@slo.state.nm.us)>  
**Cc:** Chama, Sam <[SAM.CHAMA@tetrattech.com](mailto:SAM.CHAMA@tetrattech.com)>; Barnes, Will <[wbarnes@slo.state.nm.us](mailto:wbarnes@slo.state.nm.us)>; SLO Surface ECO <[SLOSurfaceECO@slo.state.nm.us](mailto:SLOSurfaceECO@slo.state.nm.us)>; Abbott, Sam <[Sam.Abbott@tetrattech.com](mailto: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](mailto:christian.llull@tetrattech.com)

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

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---

**From:** Gallegos, David <[dgallegos@slo.state.nm.us](mailto:dgallegos@slo.state.nm.us)>  
**Sent:** Thursday, May 25, 2023 9:35 AM  
**To:** Llull, Christian <[Christian.Llull@tetrattech.com](mailto:Christian.Llull@tetrattech.com)>  
**Cc:** Chama, Sam <[SAM.CHAMA@tetrattech.com](mailto:SAM.CHAMA@tetrattech.com)>; Crosby, Faith <[fcrosby@slo.state.nm.us](mailto:fcrosby@slo.state.nm.us)>; Armijo, Melissa <[marmijo@slo.state.nm.us](mailto:marmijo@slo.state.nm.us)>; Velazquez, Amy <[avelazquez@slo.state.nm.us](mailto:avelazquez@slo.state.nm.us)>; Barnes, Will <[wbarnes@slo.state.nm.us](mailto:wbarnes@slo.state.nm.us)>; SLO Surface ECO <[SLOSurfaceECO@slo.state.nm.us](mailto:SLOSurfaceECO@slo.state.nm.us)>  
**Subject:** RE: [EXTERNAL]Approved Soil Boring Permit WE-822

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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](mailto:dgallegos@slo.state.nm.us)  
[nmstatelands.org](http://nmstatelands.org)



.....  
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---

**From:** Llull, Christian <[Christian.Llull@tetrattech.com](mailto:Christian.Llull@tetrattech.com)>  
**Sent:** Wednesday, May 24, 2023 6:24 PM  
**To:** Gallegos, David <[dgallegos@slo.state.nm.us](mailto:dgallegos@slo.state.nm.us)>  
**Cc:** Chama, Sam <[SAM.CHAMA@tetrattech.com](mailto:SAM.CHAMA@tetrattech.com)>; Crosby, Faith <[fcrosby@slo.state.nm.us](mailto: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](mailto:dgallegos@slo.state.nm.us)>  
**Sent:** Tuesday, May 23, 2023 10:47 AM  
**To:** Llull, Christian <[Christian.Llull@tetrattech.com](mailto:Christian.Llull@tetrattech.com)>  
**Cc:** Laird, Jacob <[Jacob.Laird@conocophillips.com](mailto:Jacob.Laird@conocophillips.com)>; Chama, Sam <[SAM.CHAMA@tetrattech.com](mailto:SAM.CHAMA@tetrattech.com)>; Crosby, Faith <[fcrosby@slo.state.nm.us](mailto: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](mailto:dgallegos@slo.state.nm.us)  
[nmstatelands.org](http://nmstatelands.org)

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**From:** Llull, Christian <[Christian.Llull@tetrattech.com](mailto:Christian.Llull@tetrattech.com)>  
**Sent:** Tuesday, May 23, 2023 9:08 AM  
**To:** Gallegos, David <[dgallegos@slo.state.nm.us](mailto:dgallegos@slo.state.nm.us)>  
**Cc:** Laird, Jacob <[Jacob.Laird@conocophillips.com](mailto:Jacob.Laird@conocophillips.com)>; Chama, Sam <[SAM.CHAMA@tetrattech.com](mailto:SAM.CHAMA@tetrattech.com)>; Crosby, Faith <[fcrosby@slo.state.nm.us](mailto: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 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 dis 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](mailto:dgallegos@slo.state.nm.us)>  
**Sent:** Tuesday, May 23, 2023 8:18 AM  
**To:** Laird, Jacob <[Jacob.Laird@conocophillips.com](mailto:Jacob.Laird@conocophillips.com)>; Chama, Sam <[SAM.CHAMA@tetrattech.com](mailto:SAM.CHAMA@tetrattech.com)>  
**Cc:** Crosby, Faith <[fcrosby@slo.state.nm.us](mailto:fcrosby@slo.state.nm.us)>; Naranjo, Mark <[MNaranjo@slo.state.nm.us](mailto:MNaranjo@slo.state.nm.us)>; Moritz, Kyle <[kmoritz@slo.state.nm.us](mailto: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](mailto:dgallegos@slo.state.nm.us)  
[nmstatelands.org](http://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](mailto: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@tetratech.com](mailto:nicholas.poole@tetratech.com)

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

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**From:** [Velez, Nelson, EMNRD](#)  
**To:** [Abbott, Sam](#)  
**Cc:** [Jacob.Laird@conocophillips.com](mailto:Jacob.Laird@conocophillips.com); [Llull, 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](#)

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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](mailto:nelson.velez@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>



---

**From:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Sent:** Wednesday, June 21, 2023 2:54 PM  
**To:** Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto: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](mailto:Jocelyn.Harimon@emnrd.nm.gov)  
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



---

**From:** Abbott, Sam <Sam.Abbott@tetratech.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>; Lull, Christian <Christian.Lull@tetratech.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@tetratech.com](mailto:Sam.Abbott@tetratech.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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	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

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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 (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

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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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**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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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 - 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, 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 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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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 - 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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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 - 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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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

Company Name: Tetra Tech  
 Project Manager: Christian Hull  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: 212K-MD-03092 Project Owner: CencosPhillips  
 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

Lab I.D.	Sample I.D.	(G/RAB OR (C)OMP. # CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	TPH	BTEX	Chlorides
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER						
H232763																	
1	HA-1 (0-1')	6			X				X			5/31/23		X	X	X	
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')																

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Relinquished By: [Signature]  
 Date: 5/31/23  
 Time: 12:32

Received By: [Signature]  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Verbal Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address:  
Christian.Hull@tetra-tech.com  
 REMARKS: \_\_\_\_\_

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

Observed Temp. °C: 3.9  
 Corrected Temp. °C: 3.3

Sample Condition  
 Cool Intact  
 Yes  No

CHECKED BY: (Initials)  
[Signature]

Turnaround Time:  Standard  Rush  
 Thermometer ID #113  
 Correction Factor -0.6°C

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

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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

**ANALYSIS REQUEST**

2/2

FOR LAB USE ONLY		# CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME	TPH	BTEX	Chlorides
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER					
H232763	11 HA-10 (0-1')	G 1			X				X			5/31/23		X	X	X

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Relinquished By: [Signature]  
 Date: 5/31/23  
 Time: 1232

Received By: [Signature]  
 Received By: \_\_\_\_\_

Verbal Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address:  
Christen.Hull@tetra-tech.com  
 REMARKS: \_\_\_\_\_

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

Observed Temp. °C 3.9  
 Corrected Temp. °C 3.3  
 Sample Condition  
 Cool Intact  
 Yes  No

CHECKED BY: (Initials)  
YO

Turnaround Time: Standard  Rush   
 Bacteria (only) Sample Condition  
 Cool Intact Observed Temp. °C  
 Yes  No  
 Yes  No  
 Corrected Temp. °C

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---

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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)**

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	07/11/2023	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 BTEX	<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



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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:	07/11/2023	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



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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:	07/11/2023	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)**

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) 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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\*=Accredited Analyte

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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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Celey D. Keene, Lab Director/Quality Manager





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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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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)**

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, 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



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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: SSW - 1 (H233645-02)**

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	07/15/2023	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) 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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\* = 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:	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



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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 - 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, SM4500CI-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



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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 - 3 (H233645-07)**

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	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	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

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

\*=Accredited Analyte

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

*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager

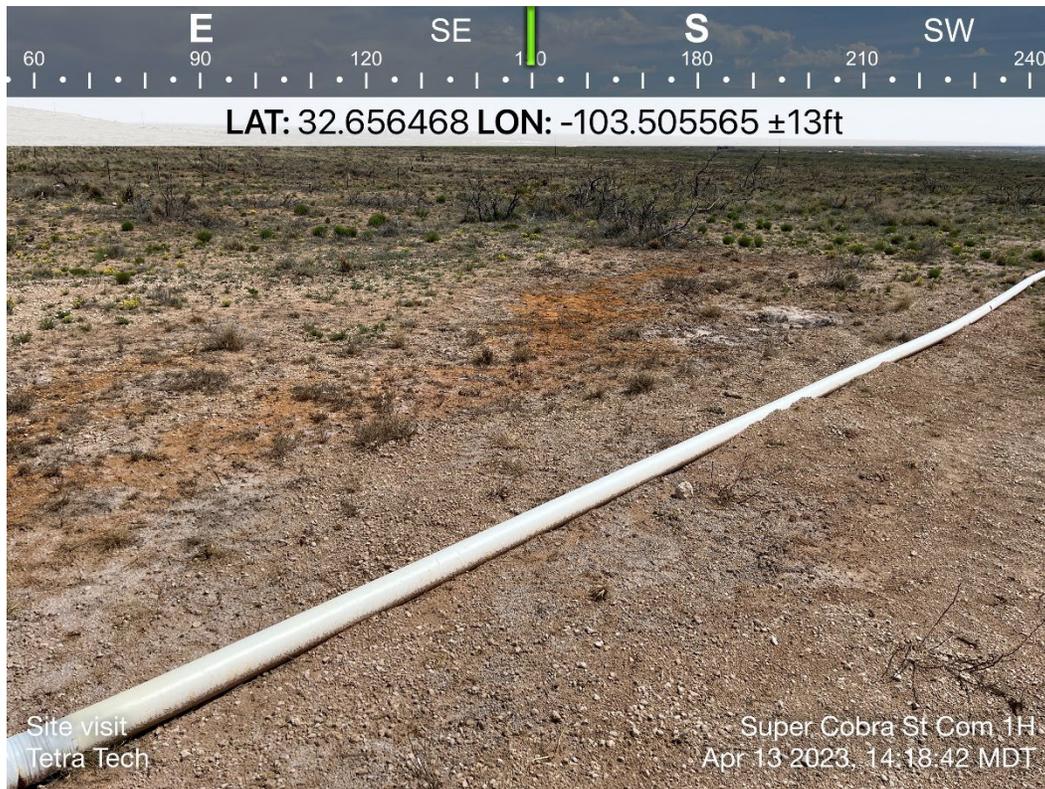


# **APPENDIX E**

## **Photographic Documentation**



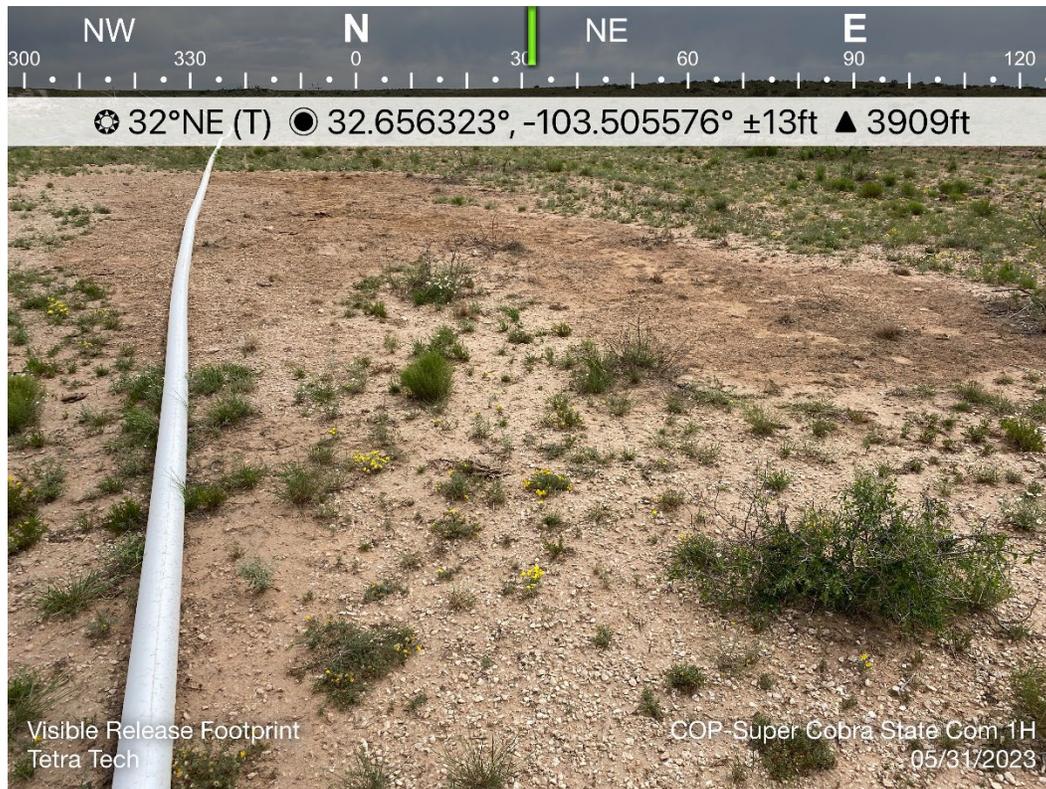
TETRA TECH, INC. PROJECT NO. 212C-MD-03092	DESCRIPTION	View southeast of release extent.	1
	SITE NAME	SUPER COBRA STATE COM #001H RELEASE	4/13/2023



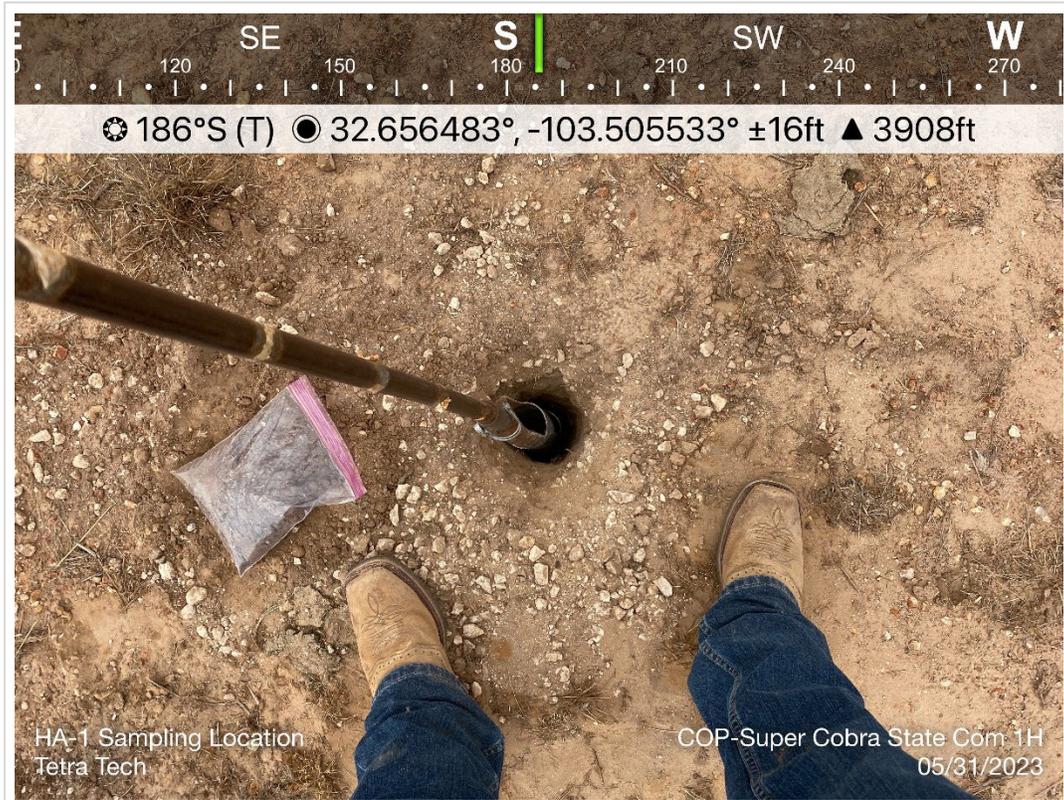
TETRA TECH, INC. PROJECT NO. 212C-MD-03092	DESCRIPTION	View southeast of release extent.	2
	SITE NAME	SUPER COBRA STATE COM #001H RELEASE	4/13/2023



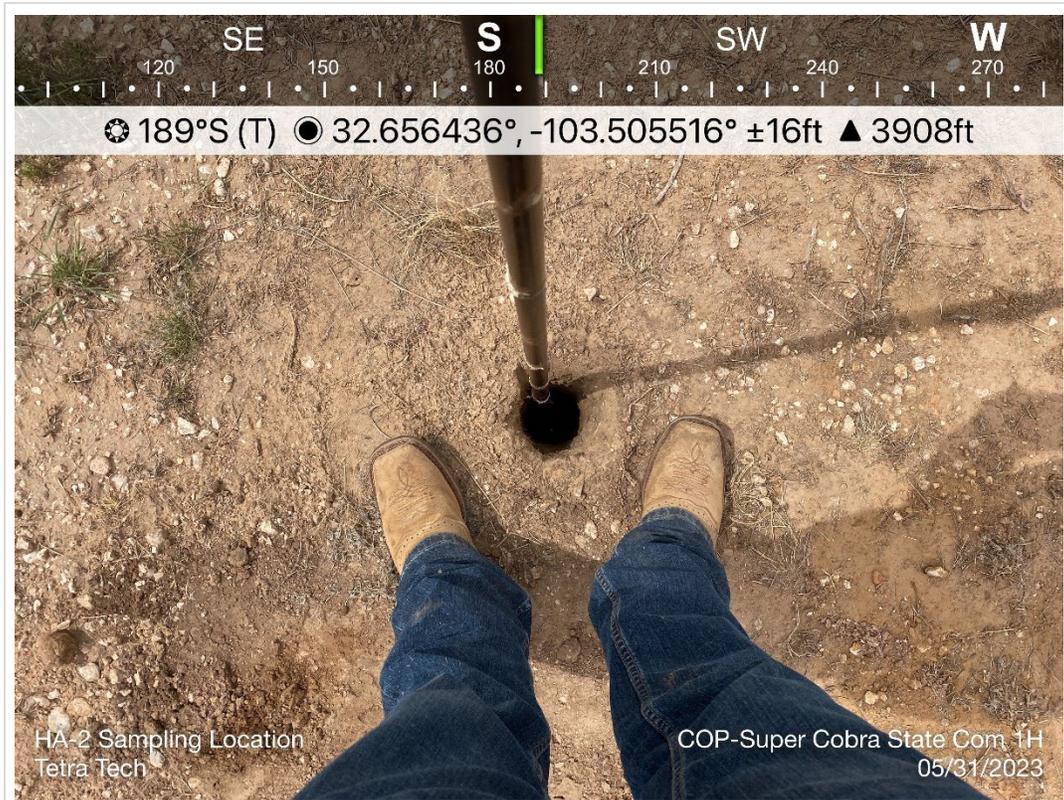
TETRA TECH, INC. PROJECT NO. 212C-MD-03092	DESCRIPTION	View of repaired flowline.	3
	SITE NAME	SUPER COBRA STATE COM #001H RELEASE	4/13/2023



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



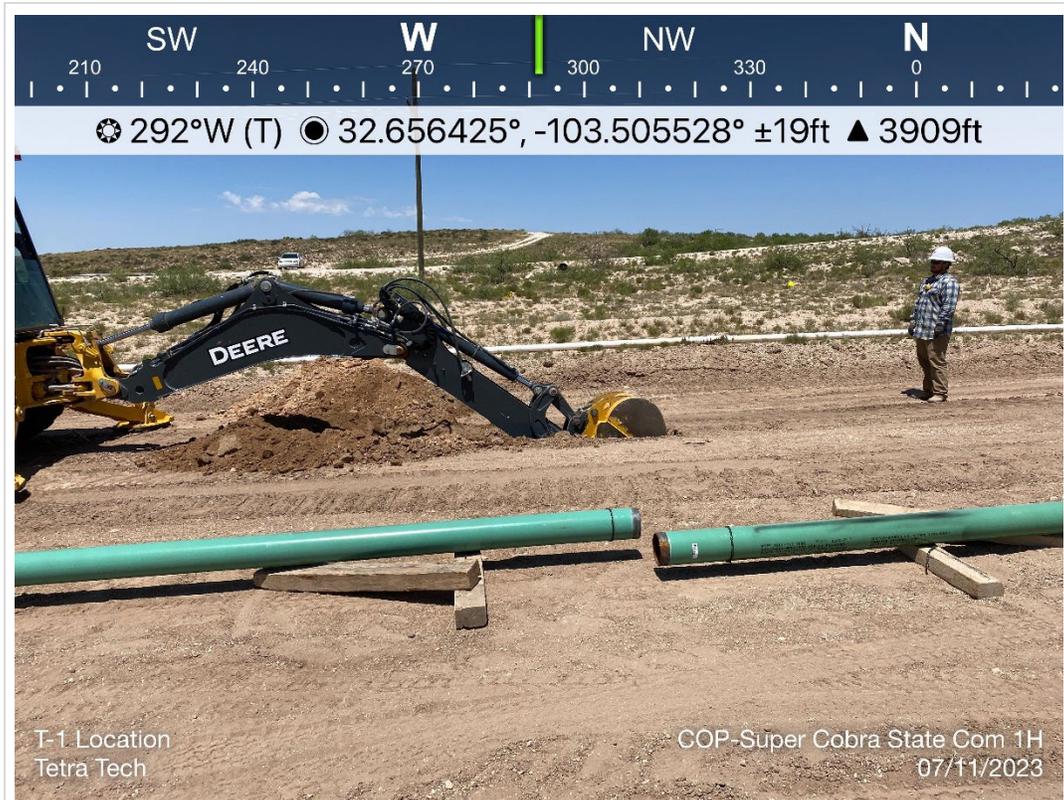
TETRA TECH, INC. PROJECT NO. 212C-MD-03092	DESCRIPTION	Hand auger location HA-1	5
	SITE NAME	SUPER COBRA STATE COM #001H RELEASE	5/31/2023



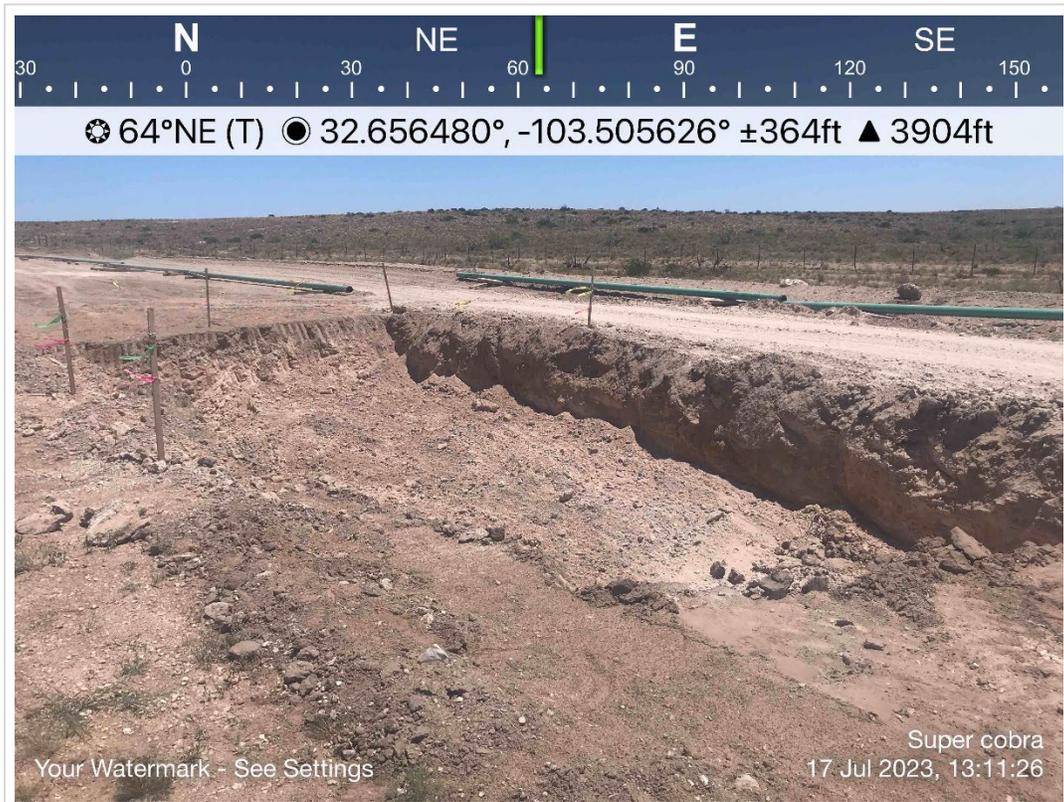
TETRA TECH, INC. PROJECT NO. 212C-MD-03092	DESCRIPTION	Hand auger location HA-2	6
	SITE NAME	SUPER COBRA STATE COM #001H RELEASE	5/31/2023



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

Table with 2 columns: Product / Service, Quantity Units. Row: 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:

- X 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.
MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature [Handwritten Signature]

Customer Approval

THIS IS NOT AN INVOICE!

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

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



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)

Permian Basin

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**

Gumer Rdz

[Signature]

**Customer Approval**

**THIS IS NOT AN INVOICE!**

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

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



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)

Permian Basin

Facility: CRI

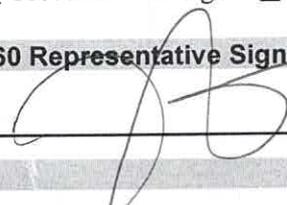
Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	13.00 yards

**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: \_\_\_\_\_



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)

Permian Basin

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

Gumer Rdz

[Signature]

Customer Approval

**THIS IS NOT AN INVOICE!**

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

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



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)

Permian Basin

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: \_\_\_\_\_



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)

Permian Basin

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**

*Chen Rdz*

*[Signature]*

Customer Approval

**THIS IS NOT AN INVOICE!**

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

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



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)

Permian Basin

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: \_\_\_\_\_



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)

Permian Basin

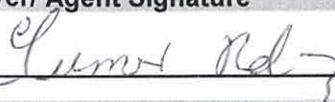
Facility: CRI

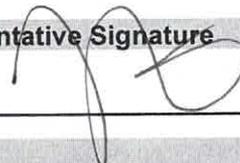
Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	16.00 yards

**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: \_\_\_\_\_



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)

Permian Basin

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: \_\_\_\_\_

**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
nvez	None	12/29/2023