

August 15, 2022

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

#### Re: REVISED Release Characterization and Closure Report ConocoPhillips War Hammer CTB Release Unit Letter G, Section 25, Township 26 South, Range 32 East Lea County, New Mexico Incident ID# nVV2003557031

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips to assess a release that occurred from an equipment failure at the War Hammer Central Tank Battery (CTB). The release footprint is located in Public Land Survey System (PLSS) Unit Letter G, Section 25, Township 26 South, Range 32 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.015282°, -103.624803°, as shown on Figures 1 and 2.

#### BACKGROUND

According to the State of New Mexico Form C-141 Initial Report (Appendix A), the release was discovered on January 8, 2020 (mistakenly reported as January 8, 2019). The release occurred as the result of equipment failure, specifically a pin hole leak on a ball valve. COP internal documentation indicates that the source for the release was a 2-inch ball valve on water tank 2030 (T-2030).

Approximately 8 barrels (bbls) of produced water were reported released, of which 8 bbls were recovered. The produced water was released into a lined secondary containment. The volume determination submitted to the NMOCD along with the C-141 documented that all fluids were removed from the secondary containment and back calculated that 8 bbls of produced water were released based upon the volume recovered by the vacuum truck. Charles R. Beauvais II submitted the initial Form C-141 on January 9, 2020. The NMOCD approved the initial C-141 on February 4, 2020, and subsequently assigned the release the Incident ID NVV2003557031.

#### SITE CHARACTERIZATION

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

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are no water wells within ½ mile (800 meters) of the Site. There is one (1) water well within 5,200 meters of the site with a depth to groundwater of 120 feet below ground surface (bgs). The site characterization data is included in Appendix B.

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#### **REGULATORY FRAMEWORK**

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

Based on the relative absence of water wells within  $\frac{1}{2}$  mile of the Site, the strictest Table I closure criteria will be applied to this release incident in lieu of drilling a boring for groundwater depth verification. Thus, based on the site characterization, and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

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

#### SITE VISIT SUMMARY

On May 12, 2022, Tetra Tech personnel were at the Site to assess current site conditions and take photographs of the impacted area, if any. Tetra Tech personnel met with COP representatives who were familiar with the release. During the site visit, no evidence of a release was observed in the southeastern portion of the tank battery secondary containment. The secondary containment is made up of steel walls approximately 2 feet tall with an intact polyethylene liner with no visible rips or tears. The liner was exposed and intact at the time of the site visit. The release was reported as having been contained within the lined secondary containment and, as documented in the C-141, initial response efforts were successful in recovering all released fluids.

The size of the release extent, approximately 215 square feet, was approximated using the volume determination included with the Form C-141. Additionally, T-2030 was observed near the southeastern corner of the secondary containment which confirms the release source found in internal COP documentation. Photographic documentation of site conditions at the time of the site visit is included in Appendix C.

### LINER INTEGRITY

In accordance with 19.15.29.11(A)(5)(a) NMAC, notification of a liner inspection at the War Hammer CTB was sent via email to the NMOCD on June 27, 2022. The liner inspection notification email correspondence is included in Appendix D.

On June 30, 2022, Tetra Tech personnel performed an inspection of the liner within the secondary containment of the War Hammer CTB. The liner was observed to underlie the entirety of the tank battery secondary containment area. The liner was intact with no visible rips or tears and encompassed by a 2-foot-tall steel wall. The liner extended up the steel "muscle" wall. At the time of the liner inspection, stormwater had accumulated in the lined area due to recent rain events. The standing water lends further evidence to the integrity of the liner as a competent fluid barrier. At the time of the inspection, the liner was intact and had the ability to contain the leak in question. Photographic documentation of the liner inspection is included in Appendix C.

### SITE ASSESSMENT SUMMARY AND SAMPLE RESULTS

Given the age of the release, in addition to the liner inspection, Tetra Tech personnel were on site on June 30, 2022 to conduct soil sampling to delineate the release horizontally using Table I of 19.15.29.12 NMAC constituents. A total of four (4) hand auger borings were installed around the perimeter of the release extent. The hand auger borings were installed to a depth of 3 feet bgs, and soil samples were collected at depth intervals 0-1' and 2-3' within each boring.

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A total of eight (8) samples were collected from the four (4) borings and submitted to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico to be analyzed for TPH (DRO and ORO) by EPA Method 8015, TPH Low Fraction (GRO) by EPA Method 8015D, BTEX by EPA Method 8021B, and chlorides by Standard Method SM4500CI-B.

### **INITIAL CLOSURE REQUEST SUBMITTAL**

Based on the site assessment results, a Release Characterization and Closure Report was prepared by Tetra Tech and submitted, on behalf of COP, to the NMOCD on July 19, 2022 with fee application payment PO Number T6VG0-220719-C-1410. The report described the initial assessment activities, liner inspection and results. The request for closure was denied by Robert Hamlet of the NMOCD via email on July 22, 2022. The following reason for denial was included in the email:

"The Closure Report is denied. Chain of Custody and Analysis Request form on 6/30/22 show samples not received at proper temperature of 6 deg. Celsius or below. Samples were delivered at temperature of 29.4 deg. Celsius.

Based on the above NMOCD response, the June 2022 assessment results were considered unacceptable. The NMOCD email correspondence associated with the closure denial is included in Appendix D.

### ADDITIONAL SITE ASSESSMENT SUMMARY AND SAMPLE RESULTS

To address the reasoning for the closure request denial, Tetra Tech personnel were on site on July 27, 2022 to conduct soil sampling to again sample the lease pad surrounding the battery and delineate the release horizontally using Table I of 19.15.29.12 NMAC constituents. This sampling was conducted to further demonstrate that the liner remained intact during the incident and had the ability to contain the leak in question. A total of four (4) hand auger borings (AH-1 through AH-4) were installed around the perimeter of the release extent as shown in Figure 3. The hand auger borings were installed to a depth of 3 feet bgs, and soil samples were collected at depth intervals 0-1' and 2-3' within each boring.

Thus, a total of eight (8) samples were collected from the four (4) borings and submitted to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico to be analyzed for TPH (DRO and ORO) by EPA Method 8015, TPH Low Fraction (GRO) by EPA Method 8015D, BTEX by EPA Method 8021B, and chlorides by Standard Method SM4500CI-B. Additionally, the samples were received by Cardinal at an acceptable temperature of 6° Celsius or below. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix E.

Results from the July 2022 soil sampling event are summarized in Table 1. All analytical results associated with samples collected during the assessment activities were below Site RRALs. Horizontal delineation was achieved during the assessment.

#### CONCLUSION

Based on the results of the liner inspection and additional site assessment, ConocoPhillips respectfully requests closure of the subject incident. The release occurred within a lined containment area. The liner integrity demonstration is complete. The affected area of the liner has been visually inspected where the release occurred, and the liner remains intact and had the ability to contain the leak in question. Two business days' notice was provided to the appropriate division district office before conducting the liner inspection.

All analytical results associated with the horizontal delineation were below applicable Site RRALs. The release area occurring within the lined secondary containment at the site meets the standards of Table I of 19.15.29.11 NMAC as a result of the initial response remedial activities (vacuum trucks).

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ConocoPhillips

The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the soil assessment activities or liner inspection for the Site, please call me at (512) 217-7254 or Christian at (512) 288-6281.

Sincerely, **Tetra Tech, Inc.** 

Ryan C. Dickerson Project Manager

Christian M, Llull, P.G. Program Manager

cc:

Mr. Sam Widmer, RMR – ConocoPhillips Mr. Charles Beauvais, GPBU - ConocoPhillips

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REVISED Release Characterization and Closure Report August 15, 2022

### LIST OF ATTACHMENTS

### Figures:

Figure 1 – Overview Map Figure 2 – Topographic Map Figure 3 – Approximate Release Extent and Site Assessment Map

### Tables:

Table 1 – Summary of Analytical Results – Soil Assessment

### Appendices:

Appendix A – C-141 Forms

Appendix B – Site Characterization Data

Appendix C – Photographic Documentation

Appendix D – Regulatory Correspondence

Appendix E – Laboratory Analytical Data

ConocoPhillips

# FIGURES



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# TABLE

TABLE 1 SUMMARY OF ANALYTICAL RESULTS SOIL ASSESSMENT- NVV2003557031 CONOCOPHILLIPS WAR HAMMER CTB RELEASE LEA COUNTY, NM

				BTEX <sup>2</sup>						TPH <sup>3</sup>													
Sample ID	Consulta Data	Sample Date	Sample Depth	Chlorid	Chloride1	Benzene		Toluer		Ethylben	1000	Total Vul	0005	Total B	rev	GRO		DRO		EXT DRO	Total TPH		
Sample ib	Sample Date				Delizer		Toluei	ie	Luiyiben	lene	Total Ayl	Total Xylenes Total BTEX		TOTAL BIEX				C <sub>6</sub> - C <sub>10</sub>		> C <sub>10</sub> - C <sub>28</sub>		C <sub>36</sub>	(GRO+DRO+EXT DRO)
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg		
AH-1	7/27/2022	0-1	192		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-		
AILT	AH-1 //2//2022	2-3	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-		
	7/27/2022	0-1	192		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300	1	< 10.0	1	< 10.0		< 10.0	1	-		
AH-2	//2//2022	2-3	80.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-		
AH-3	7/27/2022	0-1	208		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-		
AII-5	1/21/2022	2-3	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-		
AH-4	7/27/2022	0-1	240		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-		
0174	772772022	2-3	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-		

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

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# APPENDIX A C-141 Forms

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NVV2003557031
District RP	
Facility ID	
Application ID	

# **Release Notification**

# **Responsible Party**

Responsible Party ConocoPhillips Company	OGRID 217817 VV
Contact Name Charles Robert Beauvais II	Contact Telephone 575-988-2043
Contact email charles.r.beauvais@conocophillips.com	Incident # (assigned by OCD) NVV2003557031
Contact mailing address 15 W London Rd, Loving, NM 88256	

# **Location of Release Source**

Latitude 32.015418\_

Longitude -103.624516\_ (NAD 83 in decimal degrees to 5 decimal places)

Site Name - War Hammer	Site Type – Central Tank Battery
Date Release Discovered 1/8/2019	API# (if applicable)

Unit Letter	Section	Township	Range	County	
А	25	26S	32E	Lea	
(SW/NE)					

Surface Owner:	State	🔀 Federal	🗌 Tribal	Private (Name:	BLM_
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# Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 8 Total	Volume Recovered (bbls) 8
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
🗌 Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
		Remediation completed via vac truck from secondary

Cause of Release - Ball valve had a pin hole leak. Ball valve has been replaced. Remediation completed via vac truck from secondary containment. None of the release made it to ground soil. Release has been fully cleaned up.

orm C-141	State of New Mexico		
age 2	Oil Conservation Division	Incident ID	NVV2003557031
0	on conservation prevision	District RP	
		Facility ID	
		Application ID	
Was this a major	If YES, for what reason(s) does the responsible party	annelle di internet	
release as defined by	in TES, for what reason(s) does the responsible party	consider this a major release	
19.15.29.7(A) NMAC?	19.15.29.7(A)(1)		
🛛 Yes 🗌 No	An unauthorized release of a volume, excluding gases	, of 25 barrels or more.	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When	and by what means (phone of	amail eta)?
Notice was made by Char	les Beauvais, Environmental Coordinator, at 11 A.M. or	n 1/09/2020 via email to <u>Bra</u>	dford.billings@state.nm.
Also, an online submittal	with payment for submittals was made to NMOCD.		
	TILLE		
	Initial Response		
The responsible p	early must undertake the following actions immediately unless they co.	uld create a safety hazard that woul	d result in inium
The responsible p	party must undertake the following actions immediately unless they co	uld create a safety hazard that woul	d result in injury
		uld create a safety hazard that woul	d result in injury
The source of the relea	ase has been stopped.		d result in injury
The source of the relea			d result in injury
<ul><li>☑ The source of the relea</li><li>☑ The impacted area has</li></ul>	ase has been stopped. s been secured to protect human health and the environn	nent.	
<ul> <li>The source of the released</li> <li>The impacted area has</li> <li>Released materials have</li> </ul>	ase has been stopped. s been secured to protect human health and the environn ve been contained via the use of berms or dikes, absorbe	nent. ent pads, or other containmen	
<ul> <li>☑ The source of the releat</li> <li>☑ The impacted area has</li> <li>☑ Released materials hav</li> <li>☑ All free liquids and reat</li> </ul>	ase has been stopped. s been secured to protect human health and the environn ve been contained via the use of berms or dikes, absorbe coverable materials have been removed and managed ap	nent. ent pads, or other containmen	
<ul> <li>☑ The source of the releat</li> <li>☑ The impacted area has</li> <li>☑ Released materials hav</li> <li>☑ All free liquids and reat</li> </ul>	ase has been stopped. s been secured to protect human health and the environn ve been contained via the use of berms or dikes, absorbe	nent. ent pads, or other containmen	
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<ul> <li>☑ The source of the releat</li> <li>☑ The impacted area has</li> <li>☑ Released materials hav</li> <li>☑ All free liquids and reat</li> </ul>	ase has been stopped. s been secured to protect human health and the environn ve been contained via the use of berms or dikes, absorbe coverable materials have been removed and managed ap	nent. ent pads, or other containmen	
<ul> <li>☑ The source of the releat</li> <li>☑ The impacted area has</li> <li>☑ Released materials hav</li> <li>☑ All free liquids and reat</li> </ul>	ase has been stopped. s been secured to protect human health and the environn ve been contained via the use of berms or dikes, absorbe coverable materials have been removed and managed ap	nent. ent pads, or other containmen	

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: Charles Robert Beauvais II	Title: Environmental Coordinator
Signature:	Date: 1/9/2020
email: charles.r.beauvais@conocophillips.com	Telephone:575-988-2043
OCD Only	
Received by: Victoria Venegas	Date: 02/04/2020

Received by (OCD:18/15/2022) 2:15:42 PM

Volume Determination

Vac truck company determined their truck was 10% full for a truck that can carry 80 barrels. Therefore, they charged COPfor 8 barrels of water hanling.

All fluids were removed from secondary containment.

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**Received by OCD: 8/15/2022 2:15:42 PM** Form C-141 State of New Mexico

Oil Conservation Division

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# 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?	🗌 Yes 🖌 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🖌 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)?	🗌 Yes 🖌 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🖌 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?	🗌 Yes 🖌 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🖌 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🖌 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🖌 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🖌 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🖌 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🖌 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🗌 Yes 🖌 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
- $\checkmark$  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.

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			Incident ID	NVV2003557031
Page 4	Oil Conservation Di	VISION	District RP	
			Facility ID	
			Application ID	
regulations all operators public health or the envir failed to adequately inve	Nídmer	lease notifications and perform of the OCD does not relieve the pose a threat to groundwater, surf perator of responsibility for comp	corrective actions for rel- ne operator of liability sh face water, human health pliance with any other for <b>&amp;R Program Mar</b> 2	eases which may endanger nould their operations have n or the environment. In ederal, state, or local laws
OCD Only Received by: Joc	elyn Harimon	Date:	1/23/2022	

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Oil Conservation Division

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# 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.

<u>Closure Report Attachment Checklist</u>: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

Description of remediation activities

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

Printed Name: Sam Widmer	_ Title:RM&R Program Manager
Signature: Sam Widmer	Date: 08/15/22
email: sam.widmer@conocophillips.com	Telephone:281-206-5298
OCD Only	
Received by: Jocelyn Harimon	Date: 11/23/2022
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date:11/23/2022
Printed Name: Joce yn Harimon	Title: Environmental Specialist

# APPENDIX B Site Characterization Data



# New Mexico Office of the State Engineer Water Column/Average Depth to Water

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 629878.6

Northing (Y): 3542960.44

Radius: 800

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.



(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)	<b>``</b>				2=NE 3 st to lar	3=SW 4=SE gest) (N	E) AD83 UTM in me	eters)	(1	n feet)
	POD Sub-	-	QQ			Dana	Y	Y		-	Depth Water
POD Number	Code basin Co	unty 64	16 4	1 260	; IWS	Rng	X	Y	Distance	weii	Water Column
C 04547 POD1	CUB I	LE 2	4	4 07	26S	33E	631686	3547262 🌍	4665	112	
<u>C 02273</u>	CUB I	LE	1 :	2 21	26S	33E	634549	3545134* 🌍	5151	160	120 40
								Avera	ge Depth to	Water:	120 feet
									Minimum	Depth:	120 feet
									Maximum	Depth:	120 feet
Record Count: 2											

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

Easting (X): 629878.6

Northing (Y): 3542960.44

Radius: 5200

\*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.

5/9/22 10:25 AM

Received by OCD: 8/15/2022 2:15:42 PM Karst Potential wap

War Hammer CTB Release AoC 7270 Legend

TEXAS

10 mi

128

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N

High
 Low
 Medium
 War Hammer CTB Location

War Hammer CTB

128

Reased to Impering 11/23/2022 11:56:04 AM

NEW MEXICO

# **OCD** Waterbodies



6/2/2022, 12:33:02 PM

**OSE** Streams



Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, NM OSE

New Mexico Oil Conservation Division

# APPENDIX C Photographic Documentation













TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View north-northeast. Stormwater present in the western portion of lined secondary containment during liner inspection.	11
212C-MD-02758	SITE NAME	ConocoPhillips War Hammer CTB Release	6/30/2022

# APPENDIX D Regulatory Correspondence

## **Dickerson**, Ryan

From:	Dickerson, Ryan
Sent:	Monday, June 27, 2022 1:01 PM
То:	ocd.enviro@state.nm.us
Cc:	Llull, Christian; Poole, Nicholas
Subject:	Incident ID: NVV2003557031 - Liner Inspection

Incident ID (n#) NVV2003557031 (War Hammer CTB Release)

To whom it may concern,

In accordance with Subsection A of 19.15.29.11 NMAC, the responsible party must verbally notify the appropriate division district office prior to conducting the liner inspection.

Thus, on behalf of ConocoPhillips for the above referenced incident, Tetra Tech is duly providing this communication which serves as notification that a liner inspection will be conducted at this site on June 30, 2022.

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

Ryan Dickerson | Project Geologist Cell +1 (512) 217-7254 | ryan.dickerson@tetratech.com

Tetra Tech | Leading with Science<sup>®</sup> | OGA

8911 N. Capital of TX Hwy. | Bldg. 2, Ste 2310 | Austin, TX 78759 | tetratech.com

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1 🔽 🛅 🗵 Please consider the environment before printing. <u>Read more</u>



## Dickerson, Ryan

From:	OCDOnline@state.nm.us
Sent:	Friday, July 22, 2022 11:04 AM
То:	Llull, Christian
Subject:	The Oil Conservation Division (OCD) has rejected the application, Application ID: 127069

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

To whom it may concern (c/o Christian Llull for CONOCOPHILLIPS COMPANY),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nVV2003557031, for the following reasons:

• The Closure Report is denied. Chain of Custody and Analysis Request form on 6/30/22 show samples not received at proper temperature of 6 deg. Celsius or below. Samples were delivered at temperature of 29.4 deg. Celsius.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 127069. Please review and make the required correction(s) prior to resubmitting. If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you, Robert Hamlet 575-748-1283 Robert.Hamlet@state.nm.us

## New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive Santa Fe, NM 87505

# APPENDIX E Laboratory Analytical Data



August 01, 2022

CHRISTIAN LLULL TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: WAR HAMMER CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/27/22 16:20.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	07/27/2022	Sampling Date:	07/27/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	WAR HAMMER CTB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02758	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS - LEA CO NM		

#### Sample ID: AH - 1 (0-1') (H223318-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/29/2022	ND	1.79	89.5	2.00	9.02	
Toluene*	<0.050	0.050	07/29/2022	ND	1.85	92.6	2.00	8.92	
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	1.90	95.2	2.00	8.90	
Total Xylenes*	<0.150	0.150	07/29/2022	ND	5.81	96.8	6.00	8.70	
Total BTEX	<0.300	0.300	07/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/29/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	243	122	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/28/2022	ND	204	102	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	07/28/2022	ND					
Surrogate: 1-Chlorooctane	72.8	% 43-149	)						
Surrogate: 1-Chlorooctadecane	61.3	% 42.5-16	1						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/27/2022	Sampling Date:	07/27/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	WAR HAMMER CTB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02758	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS - LEA CO NM		

#### Sample ID: AH - 1 (2-3') (H223318-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/29/2022	ND	1.79	89.5	2.00	9.02	
Toluene*	<0.050	0.050	07/29/2022	ND	1.85	92.6	2.00	8.92	
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	1.90	95.2	2.00	8.90	
Total Xylenes*	<0.150	0.150	07/29/2022	ND	5.81	96.8	6.00	8.70	
Total BTEX	<0.300	0.300	07/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/29/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	243	122	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/28/2022	ND	204	102	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	07/28/2022	ND					
Surrogate: 1-Chlorooctane	84.3	% 43-149	1						
Surrogate: 1-Chlorooctadecane	69.2	% 42.5-16	1						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/27/2022	Sampling Date:	07/27/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	WAR HAMMER CTB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02758	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS - LEA CO NM		

#### Sample ID: AH - 2 (0-1') (H223318-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/29/2022	ND	1.79	89.5	2.00	9.02	
Toluene*	<0.050	0.050	07/29/2022	ND	1.85	92.6	2.00	8.92	
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	1.90	95.2	2.00	8.90	
Total Xylenes*	<0.150	0.150	07/29/2022	ND	5.81	96.8	6.00	8.70	
Total BTEX	<0.300	0.300	07/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/29/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	243	122	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/28/2022	ND	204	102	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	07/28/2022	ND					
Surrogate: 1-Chlorooctane	91.4	% 43-149	)						
Surrogate: 1-Chlorooctadecane	75.9	% 42.5-16	1						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/27/2022	Sampling Date:	07/27/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	WAR HAMMER CTB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02758	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS - LEA CO NM		

#### Sample ID: AH - 2 (2-3') (H223318-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/29/2022	ND	1.79	89.5	2.00	9.02	
Toluene*	<0.050	0.050	07/29/2022	ND	1.85	92.6	2.00	8.92	
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	1.90	95.2	2.00	8.90	
Total Xylenes*	<0.150	0.150	07/29/2022	ND	5.81	96.8	6.00	8.70	
Total BTEX	<0.300	0.300	07/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/29/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2022	ND	243	122	200	2.43	
DRO >C10-C28*	<10.0	10.0	07/28/2022	ND	204	102	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	07/28/2022	ND					
Surrogate: 1-Chlorooctane	80.7	% 43-149	)						
Surrogate: 1-Chlorooctadecane	65.9	% 42.5-16	1						

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#### \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/27/2022	Sampling Date:	07/27/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	WAR HAMMER CTB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02758	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS - LEA CO NM		

#### Sample ID: AH - 3 (0-1') (H223318-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/29/2022	ND	1.74	86.8	2.00	7.97	
Toluene*	<0.050	0.050	07/29/2022	ND	1.94	97.2	2.00	7.78	
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	1.84	92.2	2.00	8.94	
Total Xylenes*	<0.150	0.150	07/29/2022	ND	5.67	94.6	6.00	11.0	
Total BTEX	<0.300	0.300	07/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/29/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/29/2022	ND	216	108	200	0.819	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	200	100	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					
Surrogate: 1-Chlorooctane	91.9	% 43-149	)						
Surrogate: 1-Chlorooctadecane	95.5	% 42.5-16	1						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/27/2022	Sampling Date:	07/27/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	WAR HAMMER CTB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02758	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS - LEA CO NM		

#### Sample ID: AH - 3 (2-3') (H223318-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/29/2022	ND	1.74	86.8	2.00	7.97	
Toluene*	<0.050	0.050	07/29/2022	ND	1.94	97.2	2.00	7.78	
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	1.84	92.2	2.00	8.94	
Total Xylenes*	<0.150	0.150	07/29/2022	ND	5.67	94.6	6.00	11.0	
Total BTEX	<0.300	0.300	07/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/29/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/29/2022	ND	216	108	200	0.819	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	200	100	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					
Surrogate: 1-Chlorooctane	99.4	% 43-149	)						
Surrogate: 1-Chlorooctadecane	104 9	% 42.5-16	1						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/27/2022	Sampling Date:	07/27/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	WAR HAMMER CTB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02758	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS - LEA CO NM		

#### Sample ID: AH - 4 (0-1') (H223318-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/29/2022	ND	1.74	86.8	2.00	7.97	
Toluene*	<0.050	0.050	07/29/2022	ND	1.94	97.2	2.00	7.78	
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	1.84	92.2	2.00	8.94	
Total Xylenes*	<0.150	0.150	07/29/2022	ND	5.67	94.6	6.00	11.0	
Total BTEX	<0.300	0.300	07/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/29/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/29/2022	ND	216	108	200	0.819	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	200	100	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					
Surrogate: 1-Chlorooctane	108	% 43-149	)						
Surrogate: 1-Chlorooctadecane	111 9	42.5-16	1						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/27/2022	Sampling Date:	07/27/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	WAR HAMMER CTB	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02758	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS - LEA CO NM		

#### Sample ID: AH - 4 (2-3') (H223318-08)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/29/2022	ND	1.74	86.8	2.00	7.97	
Toluene*	<0.050	0.050	07/29/2022	ND	1.94	97.2	2.00	7.78	
Ethylbenzene*	<0.050	0.050	07/29/2022	ND	1.84	92.2	2.00	8.94	
Total Xylenes*	<0.150	0.150	07/29/2022	ND	5.67	94.6	6.00	11.0	
Total BTEX	<0.300	0.300	07/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/29/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/29/2022	ND	216	108	200	0.819	
DRO >C10-C28*	<10.0	10.0	07/29/2022	ND	200	100	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	07/29/2022	ND					
Surrogate: 1-Chlorooctane	108 9	% 43-149							
Surrogate: 1-Chlorooctadecane	111 9	42.5-16	1						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

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

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

vived by	y <b>OCD</b> :	8/15/2 quished by:	anquished by:		42 P.	• • •	0-	9 L		1 _ C	: 0	eu	3-	( LAB USE )	HZZ3318	Comments:	Receiving Laboratory:	Invoice to:	Project Location:		Project Name:	Client Name:	]
			Huccha Date: Time:	Date: Time:		AH-4 (2-3)	10-1	-h	AH-3 (0-1')	12-	0-1	(2-3				Calanal Lab	Contrast Chill	LEA LOWATY, NN	Dawwer	2		Client Name: Cop	
ORIGINAL COPY	received by: Date: Time:	Development y, Date: Time:	Jan 201 1/27/22 16:	Received by: Date: Time:		1 1 1 Shiel correct	1 2 1 2:30	1 L L L SI:21 40-12-1	1 1 1 1 00:01 -C-CC-L	7-27-24 11:45 2 7 1	7-27-22 11:30 1 1	1 1 1 10 1	1 1 1 1 00:11 certer	DATE TIME WATER SOIL HCL HNO <sub>3</sub> ICE	SAMPLING MATRIX PRESERVATIVE VEAR: METHOD S	Lawrul Arunta		2121-MD-02758	ole @ tetratech	etratech.	Gabriel Hue Ita	901 West Wall St, Suite 100 Midland, Texas 39701 Tel (432) 682-3946 Fax (432) 682-3946	
(Circle) HAND DELIVERED FEDEX UPS Tracking #:	2.6° #13 Special Report Limits or TRRP Report	mperature RUSH: Same Day 24 hr	20 ONLY REMARKS:											CLP Metals / CLP Metals / CLP Metals CLP Volatile CLP Semi V CCI CC/MS Vol. 4 CC/MS Semi. CB's 8082 / ORM LM (Asbesto hloride Sta	Ag As Ba Ag As Ba Ag As Ba s olatiles 3260B / 6 Vol. 82 608 s) 0 ulfate or Chemi	DRO - ORO) a Cd Cr Pb Se a Cd Cr Pb Se 324 70C/625 TDS istry (see atta	⇒ Hg	st)	.(om	(Circle or Specify Method No.)	ANALYSIS REQUEST		Page 1

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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

Operator:	OGRID:									
CONOCOPHILLIPS COMPANY	217817									
600 W. Illinois Avenue	Action Number:									
Midland, TX 79701	134083									
	Action Type:									
	[C-141] Release Corrective Action (C-141)									
CONDITIONS										

Created By Condition Condition Date 11/23/2022 jharimon None

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Action 134083