



December 16, 2022

Bradford Billings
Hydrologist/E.Spec.A
District 2 Artesia
1220 South St. Francis Drive
Oil Conservation Division
Santa Fe, NM 87505

**RE: Interim Closure and Deferral Request
ConocoPhillips
Heritage Concho
Nervous Horz Com #3H Tank Release
Unit Letter B, Section 36, Township 18 South, Range 31 East
Eddy County, New Mexico
Incident ID: nAB1534956719
2RP-3450**

Mr. Billings:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips to assess a Heritage Concho release that occurred from a tank battery associated with the Nervous Horz Com #3H (API No. 30-015-37145). The release footprint is located in Public Land Survey System (PLSS) Unit Letter B, Section 36, Township 18 South, Range 31 East, in Eddy County, New Mexico (Site). The approximate release point occurred at coordinates 32.710434°, -103.820831°, 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 discovered on November 24, 2015. The C-141 reports that the cause of the release was a valve being left open on a battery piping. Approximately 30 barrels (bbls) of crude oil were released and approximately 25 bbls of oil were recovered. The release reportedly remained on the oil and gas operations pad within the lined containment. The NMOCD approved the initial C-141 on December 8, 2015, and subsequently assigned the release the Incident ID nAB1534956719 and the remediation permit (RP) number 2RP-3450. 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, 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 not in an area of high karst potential.

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 (1) water well listed in the NMOSE database within approximately 3.73 miles (6,000 meters) of the site, the minimum depth to groundwater is 430 feet below ground surface (bgs). The site characterization data are presented 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 site characterization and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

Constituent	Reclamation Requirements
Chloride	600 mg/kg
TPH	100 mg/kg
BTEX	50 mg/kg

INITIAL SITE ASSESSMENT AND SAMPLING RESULTS

On January 19, 2016, Concho was onsite to install one (1) soil boring (S1) to a total depth of 4 feet bgs. Although the exact location of the soil boring installed by Concho is unknown, Concho indicated that it may have been placed in front of the tanks to preserve the integrity of the liner. A total of five (5) soil samples were collected from one (1) boring and sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for TPH via EPA Method 8015M and BTEX via EPA Method 8021B. The soil samples were not analyzed for chloride during the January 2016 soil assessment activities.

Analytical results from the January 2016 assessment activities are summarized in Table 1. The analytical results associated with the surface sample (S1-SURFACE) exceeded the Site RRALs for TPH (100 mg/kg), BTEX (50 mg/kg), and benzene (10 mg/kg).

ADDITIONAL SITE ASSESSMENT AND SAMPLING RESULTS

In order to complete the release assessment and delineation per NMOCD regulations, Tetra Tech conducted additional soil sampling at the release site on behalf of ConocoPhillips on January 24 and February 9, 2022. Tetra Tech installed one (1) air rotary soil boring (BH-1) within the release extent to 10 feet bgs to achieve vertical delineation of the release. The BH-1 boring was installed immediately outside of the tank battery containment in order to preserve the integrity of the liner, and because the area inside of the berm was inaccessible to the drill rig. An additional four (4) hand auger borings (AH-1 through AH-4) were installed along the perimeter of the release to depths of 2 feet bgs to complete horizontal delineation of the release. Boring locations are presented in Figure 3.

A total of fifteen (15) soil samples were collected and sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for chloride via EPA Method SM4500Cl-B, TPH via EPA Method 8015M and BTEX via EPA Method 8261B.

Analytical results from the 2022 assessment activities are summarized in Table 2. The analytical results associated with the 0–1-foot sampling interval at BH-1 exceeded the Site RRAL for chloride (600 mg/kg). There were no other sampling intervals at BH-1 which exceeded Site RRALs. All analytical results associated with samples from perimeter borings (AH-1 through AH-4) were below the applicable Site RRALs for soils in active oil and gas production areas.

REMEDIATION WORK PLAN AND ALTERNATIVE CONFIRMATION SAMPLING PLAN

The Release Characterization Work Plan (Work Plan) was prepared by Tetra Tech on behalf of ConocoPhillips and submitted to NMOCD on February 28, 2022, with fee application payment PO Number 8Q2GN-220228-C-1410. The Work Plan described the results of the release assessment and provided characterization of the impact at the site. The Work Plan was approved via email by Bradford Billings of the

NMOCD via email on March 7, 2022. Mr. Billings also executed page 5 of the C-141 form included with the Work Plan. Associated regulatory correspondence is found in Appendix E.

REMEDIATION ACTIVITIES AND CONFIRMATION SAMPLING

In July 2022, Tetra Tech personnel were onsite to remediate the release as proposed in the approved Work Plan, including excavation, disposal and backfill. Impacted soils were excavated to 1-foot bgs. Per the approved plan, the portions of the release extent that run along energized subsurface lines were hand-dug to 1-foot bgs. Subcontractor personnel exercised caution while working around the energized lines in the release vicinity. All the excavated material was transported offsite for proper disposal. Approximately forty-four (44) cubic yards of material were transported to the R360 Halfway Facility in Hobbs, New Mexico. Copies of the waste manifests are included in Appendix C. Photographs from the excavated areas prior to backfill are provided in Appendix D. During the remedial activities, the liner was found to be intact.

Prior to confirmation sampling, in accordance with Subsection D of 19.15.29.12 NMAC, the NMOCD division district office was notified via email on June 27, 2022. Documentation of associated regulatory correspondence is included in Appendix E. On July 7, 2022, Tetra Tech personnel were onsite for confirmation sampling. Confirmation floor and sidewall samples were collected for laboratory analysis to verify that the impacted materials were properly removed. Each confirmation sample laboratory analytical result was directly compared to the proposed RRALs to demonstrate compliance.

Per the approved Alternative Confirmation Sampling Plan, confirmation samples were collected such that each discrete sample (sidewall and floor) were representative of no more than 500 square feet of excavated area. A total of two (2) floor sample locations and eight (8) sidewall sample locations were used during the remedial activities. Confirmation sidewall sample locations were labeled with "SW"-#, and confirmation floor sample locations were labeled with "FS"-#. Analytical results were reviewed, and the excavation was backfilled.

Upon final review of analytical results, and based on the collected data, two sidewall areas, one in the vicinity of SSW-2 and the other in the vicinity of ESW-1, exhibited analytical results with elevated concentrations of chloride which exceeded the RRALs for the Site. Thus, Tetra Tech and the excavation subcontractor remobilized to the Site and extended the sidewall associated with SSW-2 3 feet to the south.

On July 20, 2022 an iterative confirmation sample, SSW-2 (3'), was collected to encompass the original sample location that triggered removal (nomenclature defined in Table 3) post-additional excavation. The analytical results associated with this secondary sample were below the respective RRALs for the site (Table 3). Photographs from the excavated areas prior to backfill are provided in Appendix D.

Thus, after iterative confirmation sampling at the floor sample and sidewall sample locations, all final confirmation soil samples (floor and sidewall) were below the respective RRALs for chloride, BTEX, and TPH with the exception of ESW-1. A prominent electrical bank and the battery berm border the ESW-1 sampling location. The sidewall in the area of ESW-1 was not able to be extended any further to the east without disturbing the active tank battery, and the lines associated with the electrical bank prevented further excavation in that area. The remaining concentration of chloride in the ESW-1 location was only slightly elevated over the 600 mg/kg RRAL and Section 13 of Rule 29 at P&A will be used at the end of the life of the battery. The results of the July 2022 confirmation sampling events are summarized in Table 3. Laboratory analytical data is included in Appendix F. Excavated areas, depths and confirmation sample locations are shown in Figure 4.

CONCLUSION

A Closure Request was prepared by Tetra Tech on behalf of ConocoPhillips and submitted to NMOCD on August 4, 2022, with fee application payment PO Number NA8M9-220804-C-1410. The OCD rejected the submitted Application for administrative approval of a release notification and corrective action (C-141), for incident ID (n#) nAB1534956719, for the following reasons:

Interim Closure and Deferral Request
December 16, 2022

ConocoPhillips

- Submitted report did not include an additional C-141 Page 5 deferral request.
- Resubmit the additional C-141 page 5 requesting a deferral included in the complete report to OCD by January 31, 2023.

DEFERRAL REQUEST 2022

Based upon the NMOCD rejection from Ashley Maxwell, NMOCD, received on November 18, 2022, a new C-141 deferral form must be signed and submitted to the fee application portal along with this completed revised Interim Closure and Deferral Request. Documentation of associated regulatory correspondence is included in Appendix E. The lined containment area requested for deferral is indicated in Figure 5.

CONCLUSION

The remediation work completed at the site was successful in removing heavily impacted soils from the release footprint outside of the lined battery. COP requests acceptance of the interim closure for that area in the vicinity of the electrical bank, battery, liner, and aboveground production equipment. After the completion of remedial activities at the Site, the contamination remaining in place is located in areas immediately under and around production equipment inside a lined containment area and does not cause imminent risk to human health, the environment, or groundwater.

Final remediation and reclamation shall take place in accordance with 19.15.29.12 NMAC once the Site is no longer being used for oil and gas production. ConocoPhillips respectfully requests that NMOCD will consider delaying final remediation activities at the Site until the end of life of the battery and associated facility. At time of abandonment, retrofit, or inactivity, remediation will be completed in addition to reclamation. In accordance with the NMOCD-stated request, ConocoPhillips requests deferral for the remaining impacted areas associated with the 2RP-3450 (nAB1534956719) release until Site abandonment. The completed C-141 forms are enclosed as Appendix A.

If you have any questions concerning the assessment or remediation activities for the Site, please call me at (512) 338-2861.

Sincerely,

Tetra Tech, Inc.



Christian M. Llull, P.G.
Program Manager

cc:

Mr. Charles Beauvais, BU – ConocoPhillips

LIST OF ATTACHMENTS

Figures:

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

Tables:

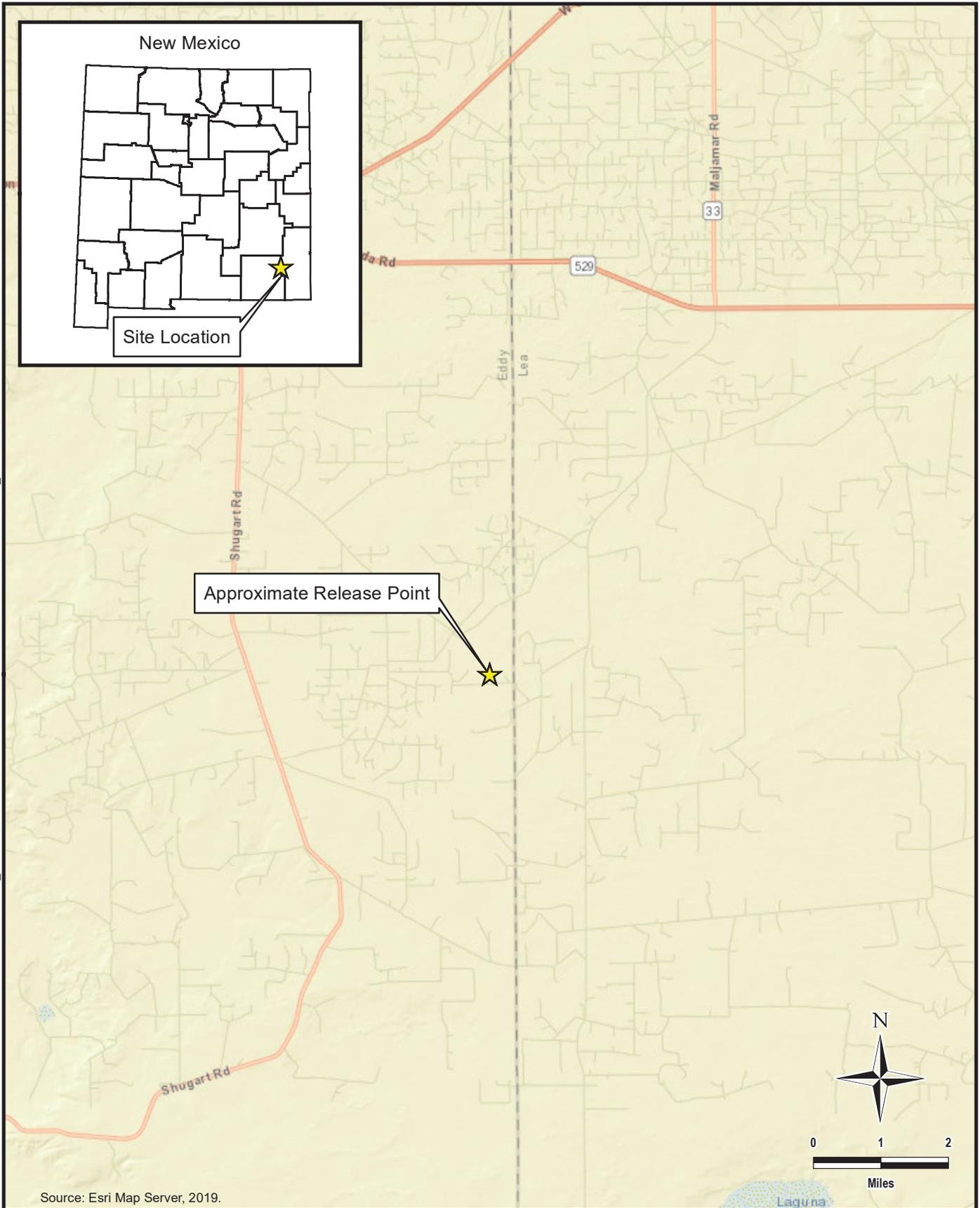
- Table 1 – Summary of Analytical Results – Initial Soil Assessment
- Table 2 – Summary of Analytical Results – Additional Soil Assessment
- Table 3 – Summary of Analytical Results – Soil Remediation

Appendices:

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

FIGURES

DOCUMENT PATH: C:\USERS\ISABEL.MARMOLEJO\DESKTOP\GIS\COPY\212C-MD-02659_NERVOUS HORZ COM 3H BATTERY RELEASE\FIGURE 1 OVERVIEW MAP_NERVOUS HORZ COM 3H BATTERY.MXD



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CONOCOPHILLIPS

NAB1534956719
(32.710508°, -103.820508°)
EDDY COUNTY, NEW MEXICO

**NERVOUS HORZ COM 3H BATTERY RELEASE
OVERVIEW MAP**

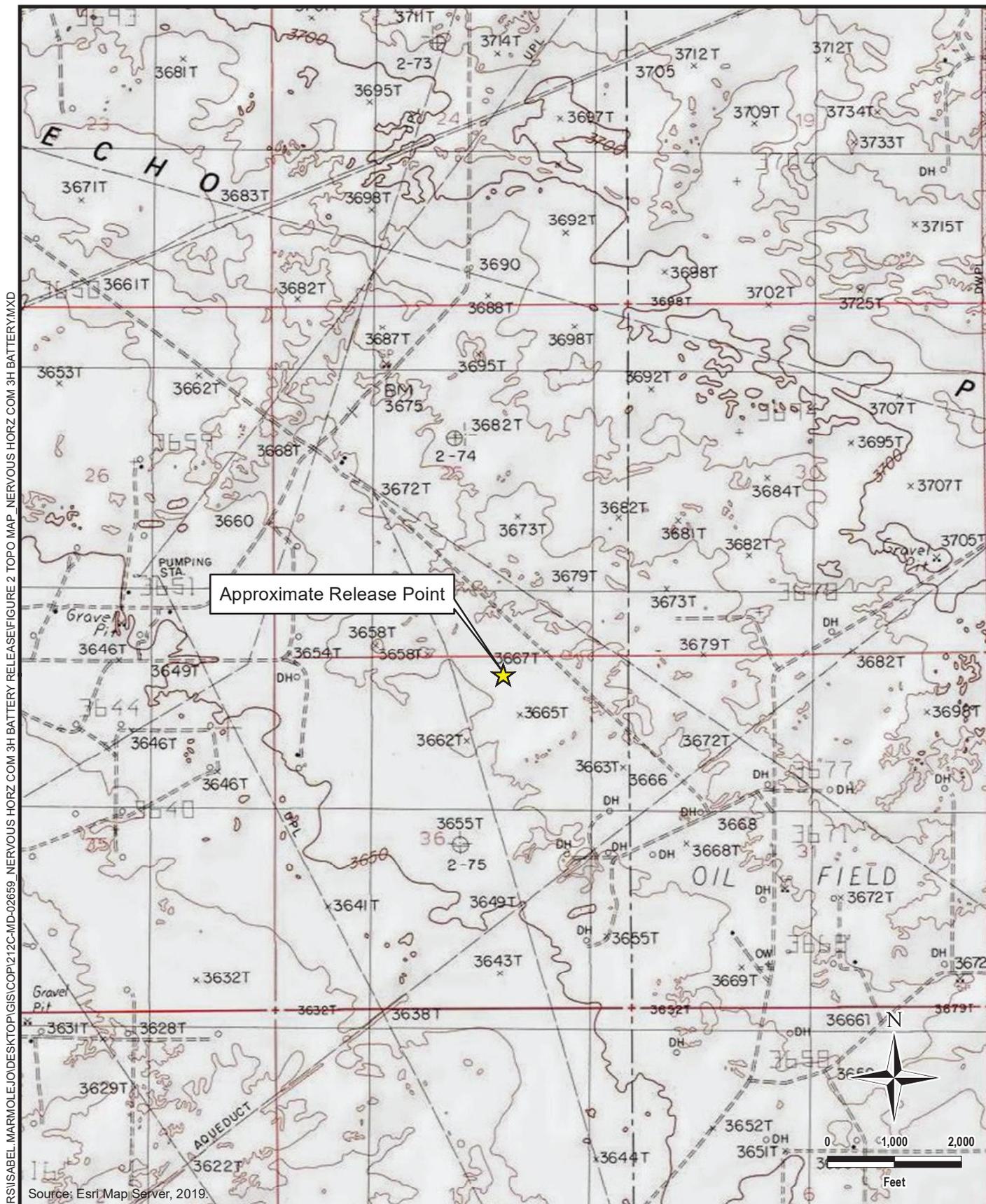
PROJECT NO.: 212C-MD-02659

DATE: JANUARY 26, 2022

DESIGNED BY: IM

Figure No.

1



DOCUMENT PATH: C:\USERS\SABEL.MARMOLEJO\DESKTOP\GIS\COPY2\2C-MD-02659 - NERVOUS HORZ COM 3H BATTERY RELEASE\FIGURE 2 TOPO MAP - NERVOUS HORZ COM 3H BATTERY\MXD

Source: Esri Map Server, 2019.



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CONOCOPHILLIPS

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EDDY COUNTY, NEW MEXICO

**NERVOUS HORZ COM 3H BATTERY RELEASE
TOPOGRAPHIC MAP**

PROJECT NO.: 212C-MD-02659

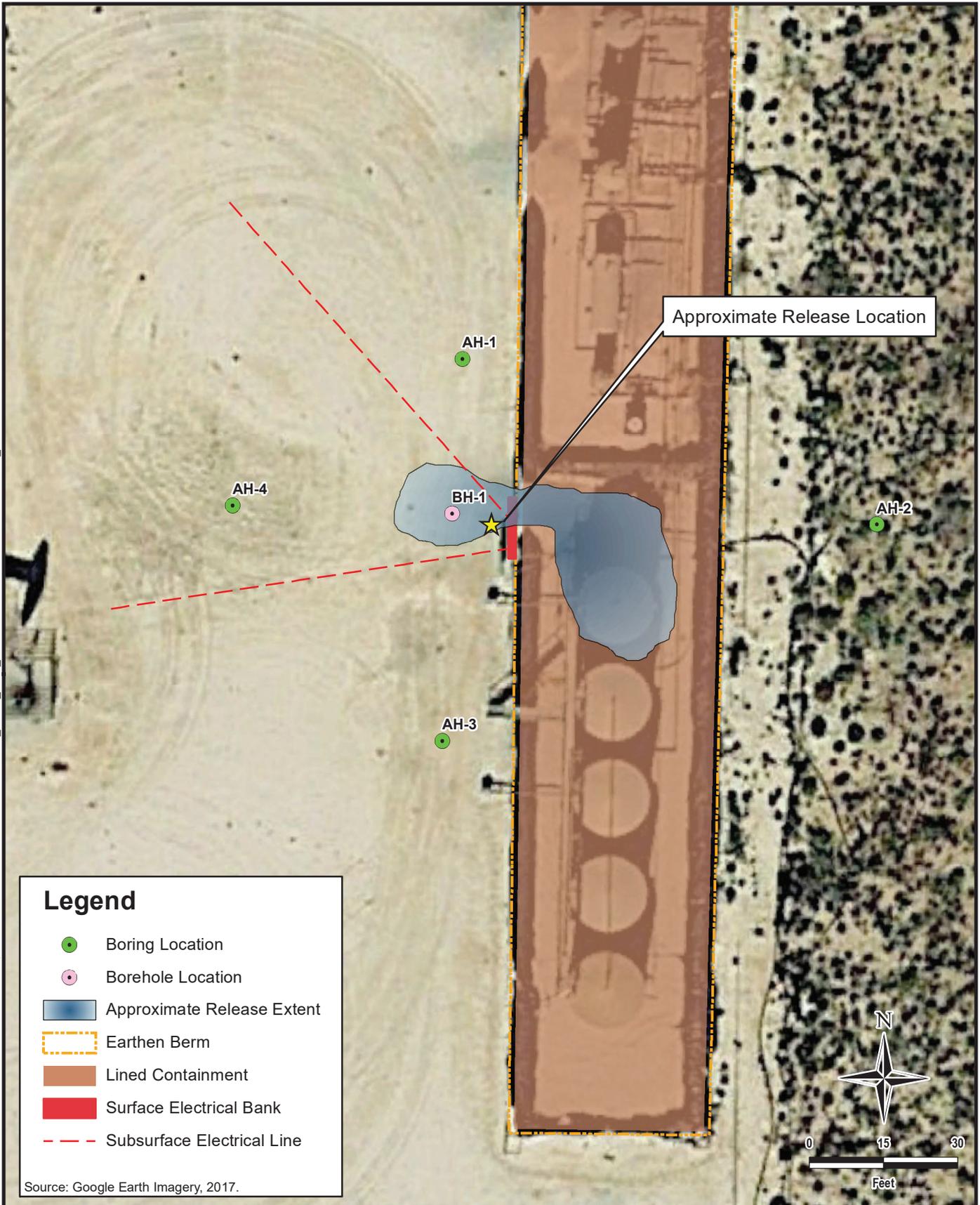
DATE: JANUARY 26, 2022

DESIGNED BY: IM

Figure No.

2

DOCUMENT PATH: C:\USERS\LISSA.VILLAMINIONEDRIVE - TETRA TECH\INC\DOCUMENTS\ILLULLICOP\NERVOUS_HORZ_COM_3H\MXD\FIGURE 3 SITE ASSESSMENT_NERVOUS_HORZ.MXD



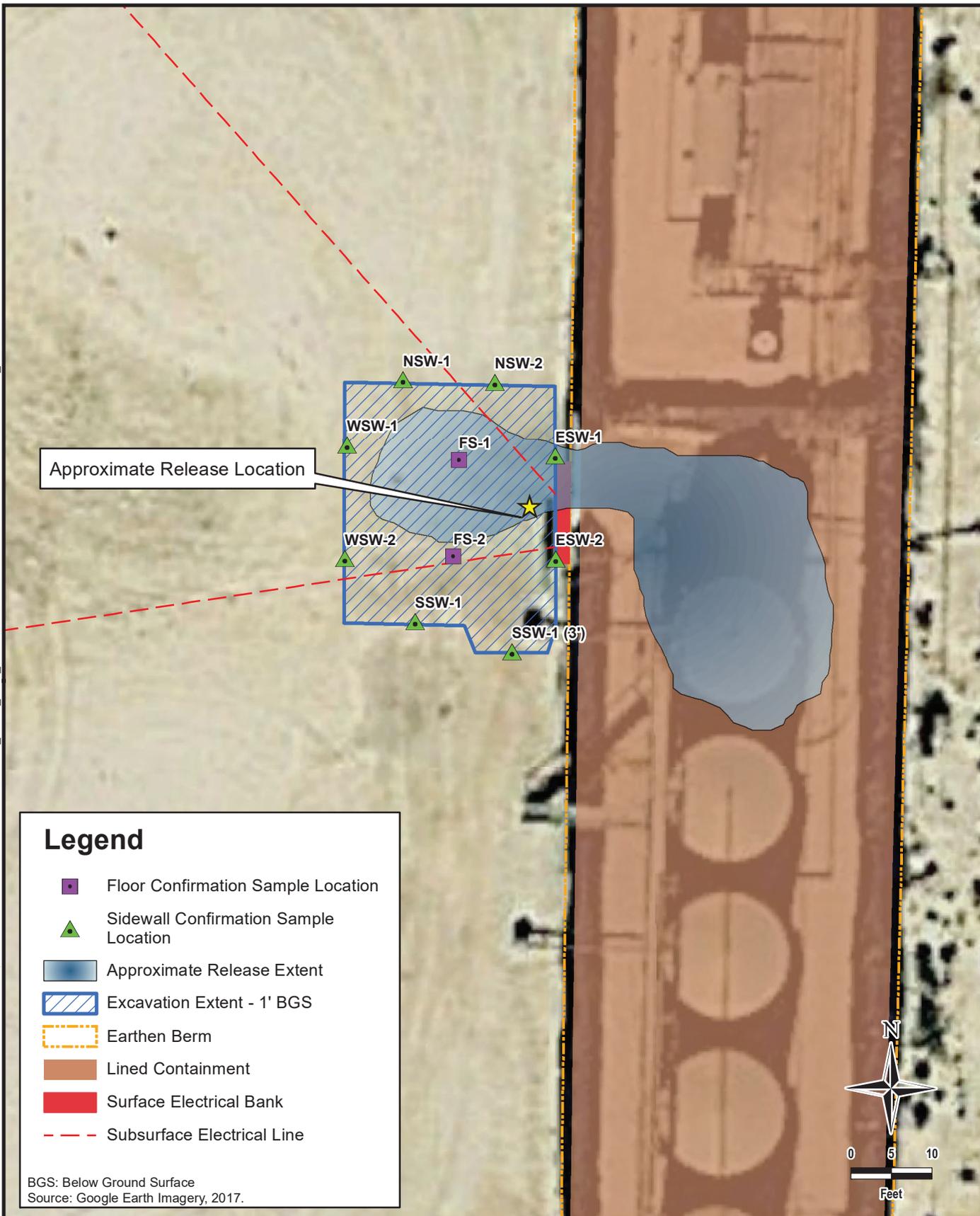
Legend

- Boring Location
- Borehole Location
- Approximate Release Extent
- Earthen Berm
- Lined Containment
- Surface Electrical Bank
- Subsurface Electrical Line

Source: Google Earth Imagery, 2017.

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	<p>NERVOUS HORZ COM 3H BATTERY RELEASE SITE ASSESSMENT MAP</p>	<p>Figure No. 3</p>

DOCUMENT PATH: C:\USERS\LISSA.VILLAMINIONEDRIVE - TETRA TECH\INC\DOCUMENTS\ILLUSTRATIONS\NERVOUS_HORZ_COM_3H\MD\FIGURE 4 REMEDIATION AND CONFIRMATION_NERVOUS_HORZ.MXD



Legend

- Floor Confirmation Sample Location
- Sidewall Confirmation Sample Location
- Approximate Release Extent
- Excavation Extent - 1' BGS
- Earthen Berm
- Lined Containment
- Surface Electrical Bank
- Subsurface Electrical Line

BGS: Below Ground Surface
Source: Google Earth Imagery, 2017.



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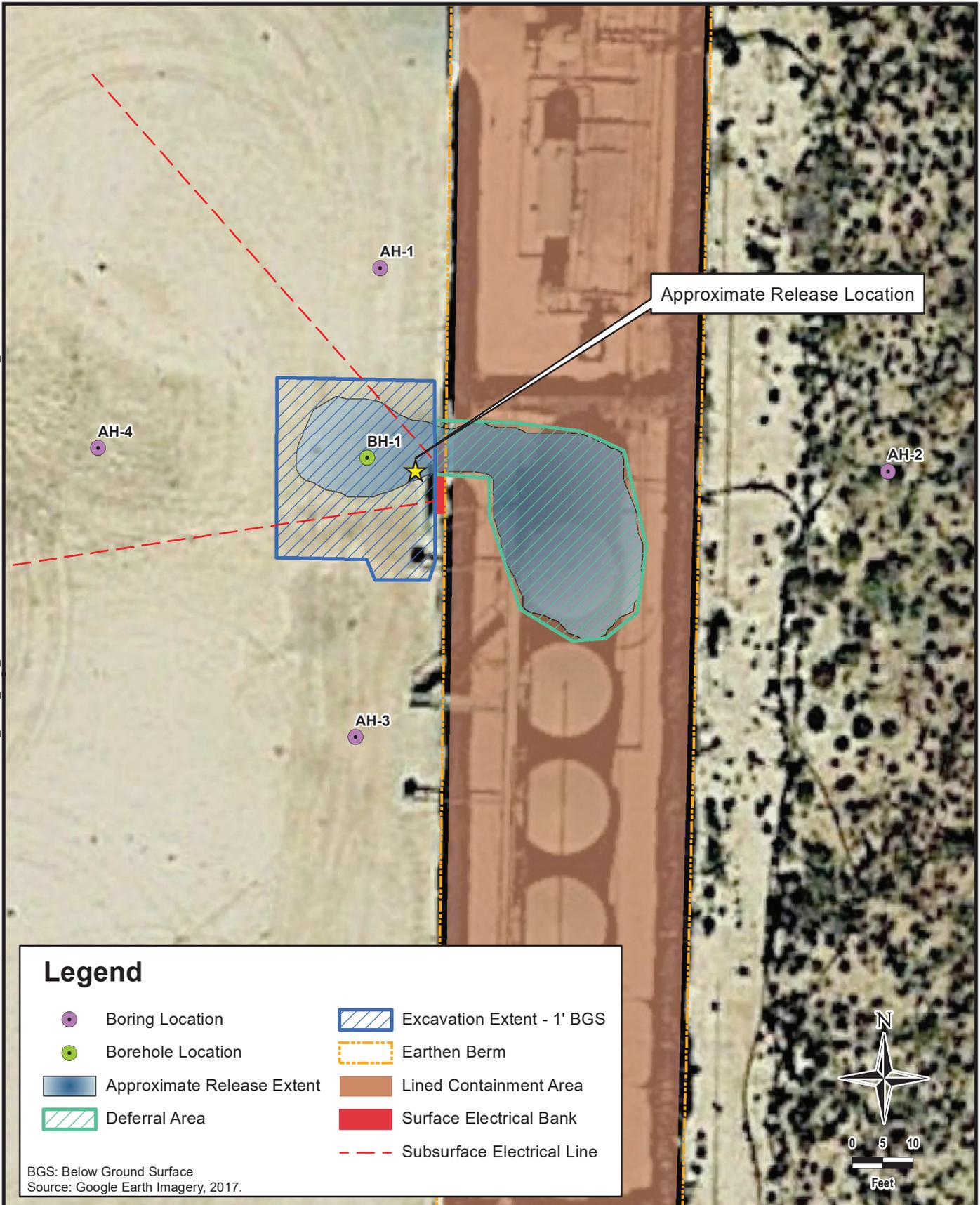
CONOCOPHILLIPS

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(32.710508°, -103.820508°)
EDDY COUNTY, NEW MEXICO

**NERVOUS HORZ COM 3H BATTERY RELEASE
REMEDICATION EXTENT AND CONFIRMATION SAMPLE LOCATIONS**

PROJECT NO.:	212C-MD-02738
DATE:	DECEMBER 07, 2022
DESIGNED BY:	LMV
Figure No.	4

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Legend

- Boring Location
- ▨ Excavation Extent - 1' BGS
- Borehole Location
- ▨ Earthen Berm
- ▨ Approximate Release Extent
- ▨ Lined Containment Area
- ▨ Deferral Area
- ▨ Surface Electrical Bank
- - - Subsurface Electrical Line

BGS: Below Ground Surface
Source: Google Earth Imagery, 2017.



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	<p>Figure No.</p> <p style="font-size: 2em;">5</p>	

TABLES

TABLE 1
 SUMMARY OF ANALYTICAL RESULTS
 INITIAL SOIL ASSESSMENT- 2RP-3450 / NAB1534956719
 HERITAGE CONCHO
 NERVOUS HORZ COM 3H
 EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth ft. bgs	BTEX ²						TPH ³								
			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		Total TPH (GRO+DRO) mg/kg
			mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	
S1-SURFACE	1/19/2016	SURFACE	11.5		107		51.2		118		288		1150		1930		3080
S1-1'	1/19/2016	1	< 0.050		0.390		0.107		0.426		0.923		< 10.0		12.1		12.1
S1-2'	1/19/2016	2	< 0.050		0.064		< 0.050		< 0.150		< 0.300		< 10.0		10.7		10.7
S1-3'	1/19/2016	3	< 0.050		0.193		0.191		0.665		1.05		< 10.0		< 10.0		-
S1-4'	1/19/2016	4	0.134		3.12		2.17		7.02		12.4		103		712		815

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 8021B
- 2 Method 8015M

Bold and italicized values indicate exceedance of proposed Remediation RRALs

TABLE 2
 SUMMARY OF ANALYTICAL RESULTS
 ADDITIONAL SOIL ASSESSMENT- 2RP-3450 / NAB1534956719
 HERITAGE CONCHO
 NERVOUS HORZ COM 3H
 EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth ft. bgs	Field Screening Results		Chloride ¹		BTEX ²			TPH ³								
			Chloride	PID	mg/kg	Q	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
BH-1	1/24/2022	0-1	-	-	12,600	-	<0.050	-	<0.050	-	<0.300	-	<10.0	-	<10.0	-	<10.0	-
		2-3	-	-	272	-	<0.050	-	<0.050	-	<0.300	-	<10.0	-	<10.0	-	<10.0	-
		3-4	-	-	160	-	<0.050	-	<0.050	-	<0.300	-	<10.0	-	<10.0	-	<10.0	-
		4-5	-	-	96.0	-	<0.050	-	<0.050	-	<0.300	-	<10.0	-	<10.0	-	<10.0	-
		6-7	-	-	80.0	-	<0.050	-	<0.050	-	<0.300	-	<10.0	-	<10.0	-	<10.0	-
		8-9	-	-	96.0	-	<0.050	-	<0.050	-	<0.300	-	<10.0	-	<10.0	-	<10.0	-
		9-10	-	-	80.0	-	<0.050	-	<0.050	-	<0.300	-	<10.0	-	<10.0	-	<10.0	-
		AH-1	2/9/2022	0-1	311	-	208	-	<0.050	-	<0.150	-	<10.0	-	<10.0	-	<10.0	-
				1-2	402	-	224	-	<0.050	-	<0.150	-	<10.0	-	<10.0	-	<10.0	-
		AH-2	2/9/2022	0-1	23.2	-	16.0	-	<0.050	-	<0.150	-	<10.0	-	<10.0	-	<10.0	-
		1-2	70.2	-	32.0	-	<0.050	-	<0.150	-	<10.0	-	<10.0	-	<10.0	-		
AH-3	2/9/2022	0-1	39.4	-	16.0	-	<0.050	-	<0.150	-	<10.0	-	<10.0	-	<10.0	-		
		1-2	253.3	-	32.0	-	<0.050	-	<0.150	-	<10.0	-	<10.0	-	<10.0	-		
AH-4	2/9/2022	0-1	75.1	-	48.0	-	<0.050	-	<0.150	-	<10.0	-	<10.0	-	<10.0	-		
		1-2	72.4	-	48.0	-	<0.050	-	<0.150	-	<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 SM4500C1-B
- 2 Method 8021B
- 3 Method 8015M

Shaded rows indicate intervals proposed for excavation.

QUALIFIERS:

TABLE 3
SUMMARY OF ANALYTICAL RESULTS
SOIL REMEDIATION - NAB1534956719
CONOCOPHILLIPS
NERVOUS HORZ COM #3H TANK RELEASE
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth ft. bgs	Chloride ³ mg/kg	Benzene			Toluene			Ethylbenzene			Total Xylenes			Total BTEX			TPH ¹					
				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	Q	mg/kg
FS-1	7/7/2022	1	22.4	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
FS-2	7/7/2022	1	64.0	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
NSW-1	7/7/2022	-	72.0	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
NSW-2	7/7/2022	-	12.8	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
ESW-1	7/7/2022	-	1,440	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
ESW-2	7/7/2022	-	36.8	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
SSW-1	7/7/2022	-	64.0	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
SSW-2	7/7/2022	-	3,800	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
SSW-2 (B)*	7/20/2022	-	80.0	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
WSW-1	7/7/2022	-	32.0	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
WSW-2	7/7/2022	-	912	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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 SMA500CI-B
 - 2 Method 8021B
 - 3 Method 8015M
- Notes:**
- Gold and italicized values indicate exceedance of proposed Remediation RRLs and Reclamation Requirements.**
 - Gold highlight** represents soil horizons that were removed during deepening of excavation floors.
 - Green highlight** represents soil intervals that were removed during horizontal expansion of excavation sidewalls.
 - * These iterative samples are located to encompass the original sample location that triggered removal, with further excavation in each area indicated in ().

QUALIFIERS:

QM-07 The spiker recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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

Form C-141
Revised August 8, 2011

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

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

Release Notification and Corrective Action

NAB1534956719

OPERATOR

Initial Report Final Report

Name of Company: COG Operating LLC 229137	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077
Facility Name: Nervous Horz Com #3H	Facility Type: Battery
Surface Owner: State	Mineral Owner:
API No. 30-015-37145	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	36	18S	31E	330'	North	1980'	East	Eddy

Latitude 32.710434 Longitude -103.8208313

NATURE OF RELEASE

Type of Release: Oil	Volume of Release: 30 bbls Oil	Volume Recovered: 25 bbls Oil
Source of Release: Open Valve	Date and Hour of Occurrence: 11/24/2015 7:30 am	Date and Hour of Discovery: 11/24/2015 7:30 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher - NMOCD	
By Whom? Lupe Carrasco	Date and Hour: Tue 11/24/2015 3:34 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

OIL CONSERVATION
ARTESIA DISTRICT
DEC 14
RECEIVED

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
This release was caused when a valve was left open on battery piping. Vacuum trucks were dispatched to recover all standing fluid.

Describe Area Affected and Cleanup Action Taken.*
This release occurred within a lined containment, however we are further investigating the release. Fluids were recovered, the facility cleaned and put back into service. Concho will have the spill site sampled to delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation work.

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

Signature: <i>Amanda T. Davis</i>	OIL CONSERVATION DIVISION	
Printed Name: Amanda Trujillo Davis	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Senior Environmental Coordinator	Approval Date: 12/15/15	Expiration Date: N/A
E-mail Address: atrujillo@concho.com	Conditions of Approval: Remediation per O.C.D. Rules & Guidelines SUBMIT REMEDIATION PROPOSAL NO	
Date: December 8, 2015 Phone: 575-748-6940	Attached <input type="checkbox"/> LATER THAN: 1/16/16	

* Attach Additional Sheets If Necessary

2RP-3450

Incident ID	NAB1534956719
District RP	2RP-3450
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?	430 _____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NAB1534956719
District RP	2RP-3450
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: Charles R. Beauvais Title: Senior Environmental Engineer

Signature: Charles R. Beauvais Date: 2/28/2022

email: charles.r.beauvais@conocophillips.com Telephone: 575-988-2043

OCD Only

Received by: Jocelyn Harimon Date: 12/16/2022

Incident ID	NAB1534956719
District RP	2RP-3450
Facility ID	
Application ID	

Remediation Plan

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

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

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Charles R. Beauvais Title: Senior Environmental Engineer
 Signature: Charles R. Beauvais 99 Date: 2/28/2022
 email: charles.r.beauvais@conocophillips.com Telephone: 575-988-2043

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: Bradford Billings Date: 03/07/2022

Incident ID	NAB1534956719
District RP	2RP-3450
Facility ID	
Application ID	

Remediation Plan

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

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

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

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- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Charles R. Beauvais Title: Senior Environmental Engineer
 Signature: Charles R. Beauvais 99 Date: 12/15/2022
 email: charles.r.beauvais@conocophillips.com Telephone: 575-988-2043

OCD Only

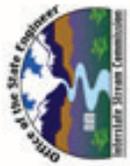
Received by: Jocelyn Harimon Date: 12/16/2022

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: Buttan Hall Date: 12/28/2022

APPENDIX B

Site Characterization Data



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin	Code	County	Q	Q	Q	Q	Sec	Tws	Rng	X	Y	Distance	Depth	Well	Depth	Water	Column
<u>CP_00849</u> <u>POD1</u>	CP	LE	3	1	3	35	18S	31E	608012	3618757*	2712	300						
<u>CP_00672</u>	CP	LE	4	4	07	18S	32E	612475	3624947*	5506	524	430	94					
<u>CP_00672</u> <u>CLW475398</u>	O	LE	4	4	07	18S	32E	612475	3624947*	5506	540	460	80					

Average Depth to Water: **445 feet**
 Minimum Depth: **430 feet**
 Maximum Depth: **460 feet**

Record Count: 3

UTM NAD83 Radius Search (in meters):

Easting (X): 610515 **Northing (Y):** 3619801 **Radius:** 6000

*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.

1/11/22 9:26 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

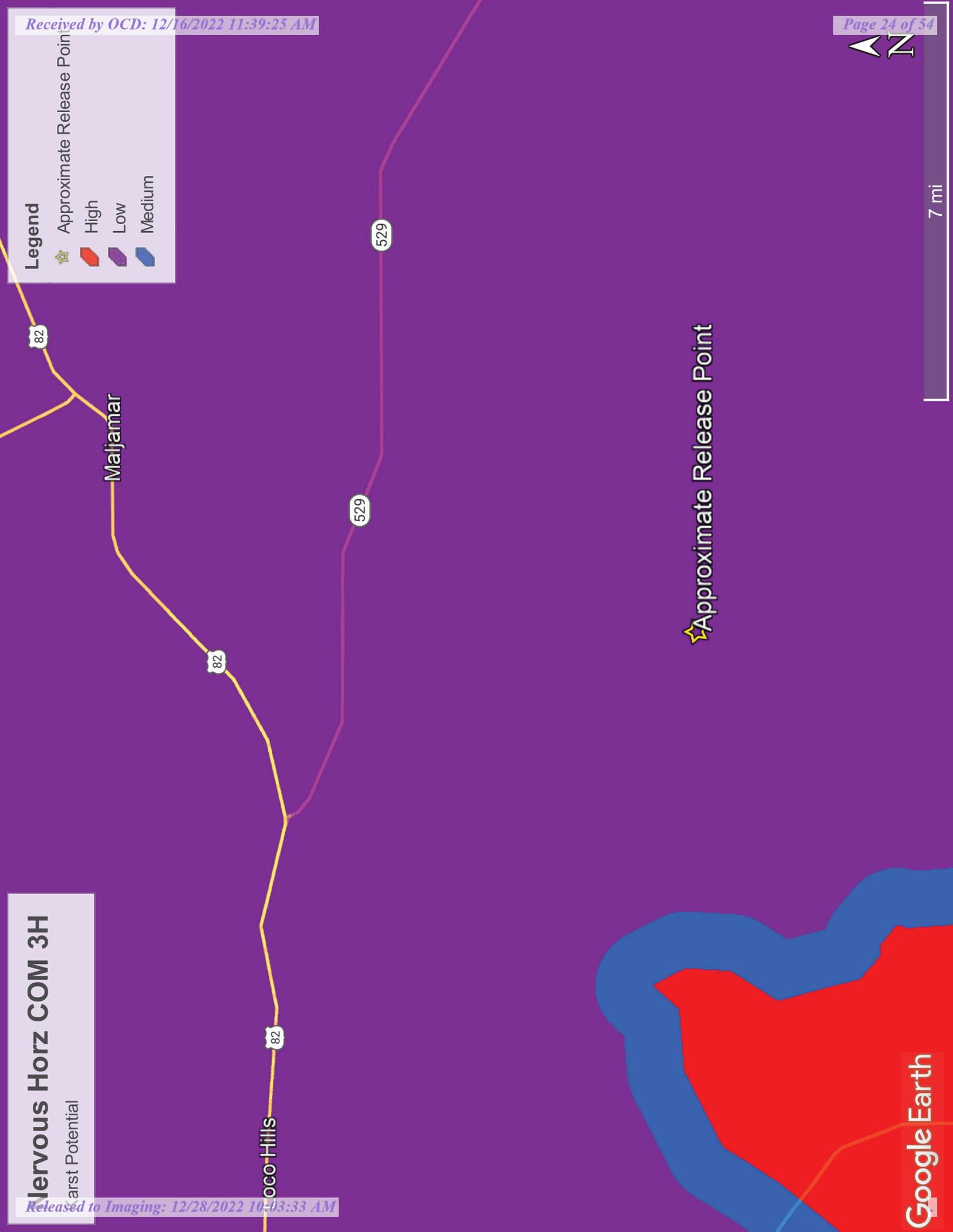


Legend

- Approximate Release Point
- High
- Low
- Medium

Nervous Horz COM 3H

Earst Potential



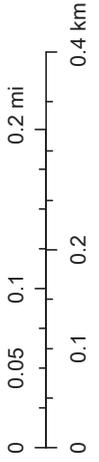
OCD Water Bodies



1/11/2022, 11:36:13 AM

- ★ OCD District Offices
- OSE Water-bodies
- PLJV Probable Playas
- OSE Streams

1:9,028



OCD, Maxar

APPENDIX C Waste Manifests



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JOE TYER
 AFE #:
 PO #:
 Manifest #: 02
 Manif. Date: 7/7/2022
 Hauler: MCNABB PARTNERS
 Driver: ISIAIAH
 Truck #: M02
 Card #
 Job Ref #

Ticket #: 700-1322579
 Bid #: O6UJ9A000JEC
 Date: 7/7/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 37145C
 Well Name: NERVOUS HORZ COM
 Well #: 3H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: EDDY (NM)

Permian Basin

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	10.00 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: JOE TYLER
 AFE #:
 PO #:
 Manifest #: 01
 Manif. Date: 7/7/2022
 Hauler: MCNABB PARTNERS
 Driver: ISAIAH
 Truck #: M02
 Card #
 Job Ref #

Ticket #: 700-1322539
 Bid #: O6UJ9A000JEC
 Date: 7/7/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 37145C
 Well Name: NERVOUS HORZ COM
 Well #: 3H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: EDDY (NM)

Permian Basin

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	10.00 yards

Generator Certification Statement of Waste Status

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

- RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
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 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Process Knowledge
 - Other (Provide description above)

Driver/ Agent Signature _____ **R360 Representative Signature** _____

Customer Approval _____

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____ 



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CHARLES BEAUVAIS
 AFE #:
 PO #:
 Manifest #: 03
 Manif. Date: 7/8/2022
 Hauler: MCNABB PARTNERS
 Driver: ISIAIAH
 Truck #: M02
 Card #
 Job Ref #

Ticket #: 700-1322913
 Bid #: O6UJ9A000JEC
 Date: 7/8/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 37145C
 Well Name: NERVOUS HORZ COM
 Well #: 3H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: EDDY (NM)

Permian Basin

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	10.00 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: CHARLES BEAUVAIS
AFE #:
PO #:
Manifest #: 04
Manif. Date: 7/8/2022
Hauler: MCNABB PARTNERS
Driver: ISAIAH
Truck #: M02
Card #:
Job Ref #

Ticket #: 700-1322957
Bid #: O6UJ9A000JEC
Date: 7/8/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 37145C
Well Name: NERVOUS HORZ COM
Well #: 3H
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

Permian Basin

Facility: CRI

Table with 2 columns: Product / Service, Quantity Units. Row 1: Contaminated Soil (RCRA Exempt), 6.00 yards

Generator Certification Statement of Waste Status

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

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

Driver/ Agent Signature R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: CHARLES BEAUVAIS
 AFE #:
 PO #:
 Manifest #: 1
 Manif. Date: 7/26/2022
 Hauler: MCNABB PARTNERS
 Driver: JR
 Truck #: M02
 Card #
 Job Ref #

Ticket #: 700-1329056
 Bid #: O6UJ9A000JEC
 Date: 7/26/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 37145C
 Well Name: NERVOUS HORZ COM
 Well #: 3H
 Field:
 Field #:
 Rig: NON-DRILLING
 County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

10.00 yards

Generator Certification Statement of Waste Status

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

APPENDIX D

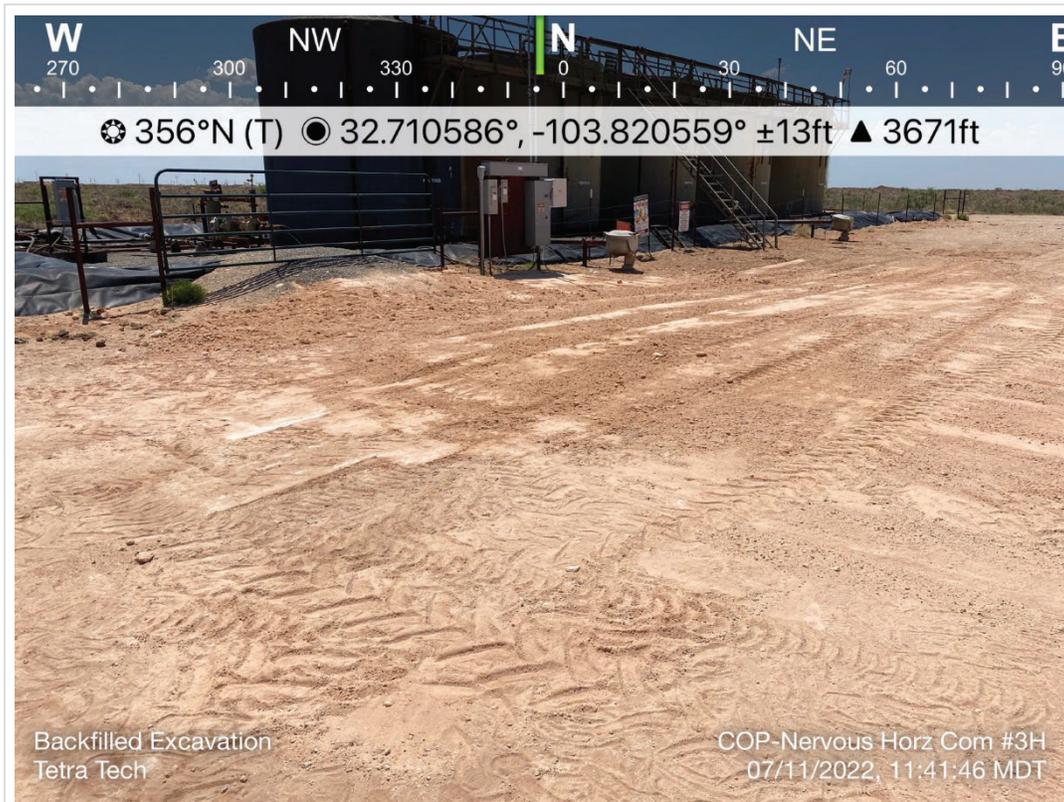
Photographic Documentation



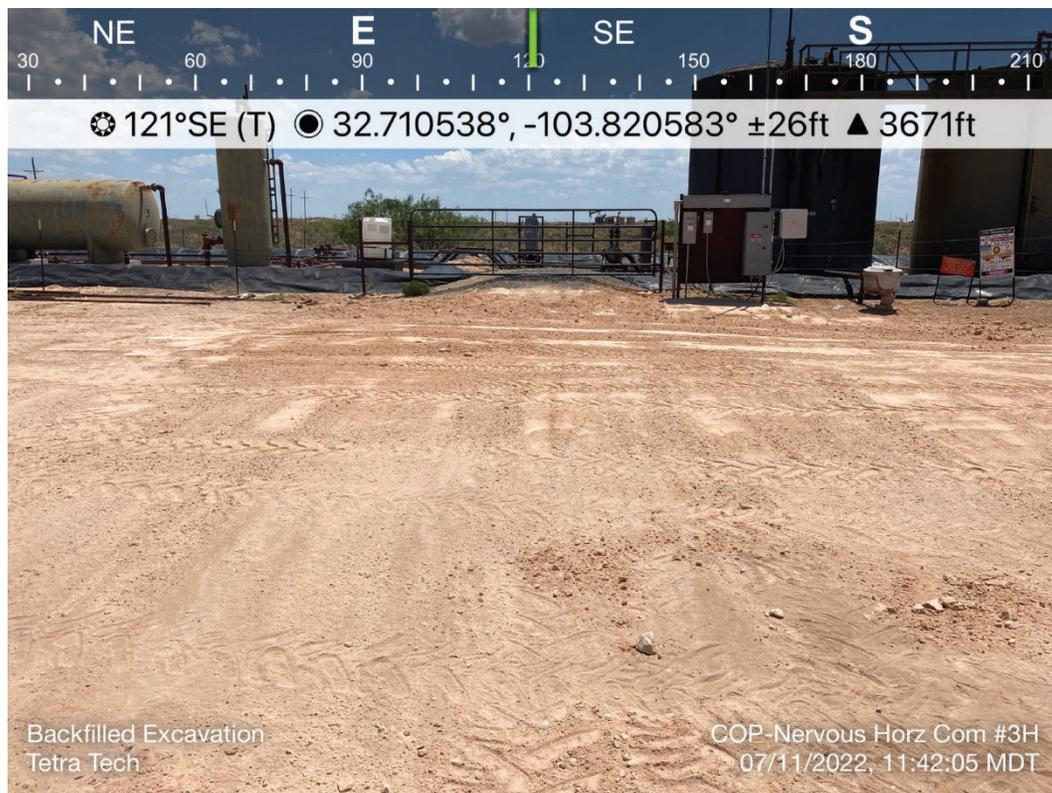
TETRA TECH, INC. PROJECT NO. 212C-MD-02738	DESCRIPTION	View south of the excavation area.	1
	SITE NAME	ConocoPhillips Nervous Horz Com #3H Tank Release	7/11/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02738	DESCRIPTION	View east of the excavation area.	2
	SITE NAME	ConocoPhillips Nervous Horz Com #3H Tank Release	7/11/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02738	DESCRIPTION	View north of the backfilled excavation area.	3
	SITE NAME	ConocoPhillips Nervous Horz Com #3H Tank Release	7/11/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02738	DESCRIPTION	View southeast of the backfilled excavation area.	4
	SITE NAME	ConocoPhillips Nervous Horz Com #3H Tank Release	7/11/2022

APPENDIX E

Regulatory Correspondence

Abbott, Sam

From: OCDOnline@state.nm.us
Sent: Monday, March 7, 2022 12:42 PM
To: Llull, Christian
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 84753

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

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

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action (C-141)*, for incident ID (n#) nAB1534956719, with the following conditions:

- **DTW determination not accurate enough. However, it appears you may be able to excavate on pad to 50 foot or less Table 1 needs in the range of 1-2 feet. Requested confirm samples at better than 700 sq/ft is denied but you can go to a max of 500 sq/ft. If acceptable, carry on.**

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

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

Thank you,
Bradford Billings
Hydrologist/E.Spec.A
505-670-6549
bradford.billings@state.nm.us

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

Poole, Nicholas

From: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>
Sent: Tuesday, June 28, 2022 9:19 AM
To: Poole, Nicholas; Enviro, OCD, EMNRD
Cc: Abbott, Sam; Llull, Christian
Subject: RE: [EXTERNAL] Incident ID: NAB1534956719 - Confirmation Sampling

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

Hello.

Thanks for the notification. Please copy this and include in allied report(s).

Bradford Billings
EMNRD/OCD

From: Poole, Nicholas <NICHOLAS.POOLE@tetrattech.com>
Sent: Monday, June 27, 2022 3:10 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Abbott, Sam <Sam.Abbott@tetrattech.com>; Llull, Christian <Christian.Llull@tetrattech.com>
Subject: [EXTERNAL] Incident ID: NAB1534956719 - Confirmation Sampling

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

Incident ID (n#) **NAB1534956719** (Nervous Horz Com #3H)

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 are beginning at the site this week.

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 Wednesday, June 29, 2022

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

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

Tetra Tech | *Leading with Science*® | OGA
8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | tetrattech.com

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Please consider the environment before printing. [Read more](#)



Poole, Nicholas

From: OCDOnline@state.nm.us
Sent: Friday, November 18, 2022 3:29 PM
To: Llull, Christian
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 131537

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

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

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action (C-141)*, for incident ID (n#) nAB1534956719, for the following reasons:

- **Submitted report did not include an additional C-141 Page 5 deferral request.**
- **Resubmit the additional C-141 page 5 requesting a deferral included in the complete report to OCD by January 31, 2023.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 131537. 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,
Ashley Maxwell
Projects Environmental Specialist - A
505-635-5000
Ashley.Maxwell@emnrd.nm.gov

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

APPENDIX F

Laboratory Analytical Data



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

July 08, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: NERVOUS HORZ COM #3H TANK RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/07/22 14:18.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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:	07/07/2022	Sampling Date:	07/07/2022
Reported:	07/08/2022	Sampling Type:	Soil
Project Name:	NERVOUS HORZ COM #3H TANK RELEA	Sampling Condition:	Cool & Intact
Project Number:	212C-MD - 02738	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO NM		

Sample ID: FS - 01 (H222919-01)

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	07/07/2022	ND	2.12	106	2.00	1.09	
Toluene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	0.702	
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	1.36	
Total Xylenes*	<0.150	0.150	07/07/2022	ND	6.46	108	6.00	1.27	
Total BTEX	<0.300	0.300	07/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/08/2022	ND	400	100	400	3.92	

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	07/08/2022	ND	187	93.7	200	28.5	
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	189	94.6	200	28.8	
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND					

Surrogate: 1-Chlorooctane 81.5 % 43-149

Surrogate: 1-Chlorooctadecane 98.4 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/07/2022	Sampling Date:	07/07/2022
Reported:	07/08/2022	Sampling Type:	Soil
Project Name:	NERVOUS HORZ COM #3H TANK RELEA	Sampling Condition:	Cool & Intact
Project Number:	212C-MD - 02738	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO NM		

Sample ID: FS - 02 (H222919-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	1.09		
Toluene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	0.702		
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	1.36		
Total Xylenes*	<0.150	0.150	07/07/2022	ND	6.46	108	6.00	1.27		
Total BTEX	<0.300	0.300	07/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	07/08/2022	ND	400	100	400	3.92		

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	07/08/2022	ND	187	93.7	200	28.5		
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	189	94.6	200	28.8		
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND						

Surrogate: 1-Chlorooctane 75.1 % 43-149

Surrogate: 1-Chlorooctadecane 90.8 % 42.5-161

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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:	07/07/2022	Sampling Date:	07/07/2022
Reported:	07/08/2022	Sampling Type:	Soil
Project Name:	NERVOUS HORZ COM #3H TANK RELEA	Sampling Condition:	Cool & Intact
Project Number:	212C-MD - 02738	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO NM		

Sample ID: NSW - 01 (H222919-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	1.09	
Toluene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	0.702	
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	1.36	
Total Xylenes*	<0.150	0.150	07/07/2022	ND	6.46	108	6.00	1.27	
Total BTEX	<0.300	0.300	07/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	07/08/2022	ND	400	100	400	3.92	

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	07/08/2022	ND	187	93.7	200	28.5	
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	189	94.6	200	28.8	
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND					

Surrogate: 1-Chlorooctane 87.7 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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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:	07/07/2022	Sampling Date:	07/07/2022
Reported:	07/08/2022	Sampling Type:	Soil
Project Name:	NERVOUS HORZ COM #3H TANK RELEA	Sampling Condition:	Cool & Intact
Project Number:	212C-MD - 02738	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO NM		

Sample ID: NSW - 02 (H222919-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	1.09	
Toluene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	0.702	
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	1.36	
Total Xylenes*	<0.150	0.150	07/07/2022	ND	6.46	108	6.00	1.27	
Total BTEX	<0.300	0.300	07/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/08/2022	ND	400	100	400	3.92	

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	07/08/2022	ND	187	93.7	200	28.5	
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	189	94.6	200	28.8	
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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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:	07/07/2022	Sampling Date:	07/07/2022
Reported:	07/08/2022	Sampling Type:	Soil
Project Name:	NERVOUS HORZ COM #3H TANK RELEA	Sampling Condition:	Cool & Intact
Project Number:	212C-MD - 02738	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO NM		

Sample ID: SSW - 01 (H222919-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	1.09		
Toluene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	0.702		
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	1.36		
Total Xylenes*	<0.150	0.150	07/07/2022	ND	6.46	108	6.00	1.27		
Total BTEX	<0.300	0.300	07/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.2 % 69.9-140

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	07/08/2022	ND	400	100	400	3.92		

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	07/08/2022	ND	187	93.7	200	28.5		
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	189	94.6	200	28.8		
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND						

Surrogate: 1-Chlorooctane 82.7 % 43-149

Surrogate: 1-Chlorooctadecane 98.8 % 42.5-161

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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:	07/07/2022	Sampling Date:	07/07/2022
Reported:	07/08/2022	Sampling Type:	Soil
Project Name:	NERVOUS HORZ COM #3H TANK RELEA	Sampling Condition:	Cool & Intact
Project Number:	212C-MD - 02738	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO NM		

Sample ID: SSW - 02 (H222919-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	1.09		
Toluene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	0.702		
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	1.36		
Total Xylenes*	<0.150	0.150	07/07/2022	ND	6.46	108	6.00	1.27		
Total BTEX	<0.300	0.300	07/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3800	16.0	07/08/2022	ND	400	100	400	3.92		

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	07/08/2022	ND	187	93.7	200	28.5		
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	189	94.6	200	28.8		
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND						

Surrogate: 1-Chlorooctane 75.2 % 43-149

Surrogate: 1-Chlorooctadecane 90.0 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/07/2022	Sampling Date:	07/07/2022
Reported:	07/08/2022	Sampling Type:	Soil
Project Name:	NERVOUS HORZ COM #3H TANK RELEAS	Sampling Condition:	Cool & Intact
Project Number:	212C-MD - 02738	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO NM		

Sample ID: ESW - 01 (H222919-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	1.09		
Toluene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	0.702		
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	1.36		
Total Xylenes*	<0.150	0.150	07/07/2022	ND	6.46	108	6.00	1.27		
Total BTEX	<0.300	0.300	07/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1440	16.0	07/08/2022	ND	448	112	400	3.64	QM-07	

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	07/08/2022	ND	187	93.7	200	28.5		
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	189	94.6	200	28.8		
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND						

Surrogate: 1-Chlorooctane 78.4 % 43-149

Surrogate: 1-Chlorooctadecane 93.6 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
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 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	07/07/2022	Sampling Date:	07/07/2022
Reported:	07/08/2022	Sampling Type:	Soil
Project Name:	NERVOUS HORZ COM #3H TANK RELEA	Sampling Condition:	Cool & Intact
Project Number:	212C-MD - 02738	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO NM		

Sample ID: ESW - 02 (H222919-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	1.09		
Toluene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	0.702		
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	1.36		
Total Xylenes*	<0.150	0.150	07/07/2022	ND	6.46	108	6.00	1.27		
Total BTEX	<0.300	0.300	07/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	07/08/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/08/2022	ND	187	93.7	200	28.5		
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	189	94.6	200	28.8		
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND						

Surrogate: 1-Chlorooctane 65.9 % 43-149

Surrogate: 1-Chlorooctadecane 57.4 % 42.5-161

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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:	07/07/2022	Sampling Date:	07/07/2022
Reported:	07/08/2022	Sampling Type:	Soil
Project Name:	NERVOUS HORZ COM #3H TANK RELEA	Sampling Condition:	Cool & Intact
Project Number:	212C-MD - 02738	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO NM		

Sample ID: WSW - 01 (H222919-09)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	1.09		
Toluene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	0.702		
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	1.36		
Total Xylenes*	<0.150	0.150	07/07/2022	ND	6.46	108	6.00	1.27		
Total BTEX	<0.300	0.300	07/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	07/08/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/08/2022	ND	187	93.7	200	28.5		
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	189	94.6	200	28.8		
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND						

Surrogate: 1-Chlorooctane 80.4 % 43-149

Surrogate: 1-Chlorooctadecane 95.2 % 42.5-161

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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:	07/07/2022	Sampling Date:	07/07/2022
Reported:	07/08/2022	Sampling Type:	Soil
Project Name:	NERVOUS HORZ COM #3H TANK RELEA	Sampling Condition:	Cool & Intact
Project Number:	212C-MD - 02738	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO NM		

Sample ID: WSW - 02 (H222919-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	1.09		
Toluene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	0.702		
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	1.36		
Total Xylenes*	<0.150	0.150	07/07/2022	ND	6.46	108	6.00	1.27		
Total BTEX	<0.300	0.300	07/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	07/08/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/08/2022	ND	187	93.7	200	28.5		
DRO >C10-C28*	<10.0	10.0	07/08/2022	ND	189	94.6	200	28.8		
EXT DRO >C28-C36	<10.0	10.0	07/08/2022	ND						

Surrogate: 1-Chlorooctane 84.8 % 43-149

Surrogate: 1-Chlorooctadecane 98.5 % 42.5-161

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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 01 of 01

Company Name: <u>Covera Phillips</u> Project Manager: <u>Christina Cull</u> Address: <u>Christina Cull @ tetratech.com</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: <u>212C-MD-00738</u> Project Owner: _____ Project Name: <u>Nervous Horse Cor #34 Tank Release</u> Project Location: <u>Eddy County, NM</u> Sampler Name: <u>Steve Tyler</u>		P.O. #: _____ Company: <u>Tetra Tech</u> Attn: <u>Christina Cull</u> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C: <u>5.30</u> Corrected Temp. °C: <u>4.80</u>		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: <u>SR</u> (Initials)	
Relinquished By: _____ Date: <u>7-7-07</u> Time: <u>1418</u>		Received By: <u>Stoddard</u> Date: _____ Time: _____	
Relinquished By: _____ Date: _____ Time: _____		Received By: _____ Date: _____ Time: _____	
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Lab I.D. <u>H000719</u> Sample I.D. _____ FS-01 FS-02 NS02-01 NS02-02 SSC0-01 SSC0-02 ESC0-01 ESC0-02 OS02-01 OS02-02	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	MATRIX PRESERV SAMPLING	DATE TIME (TX) TPH BTEX Chlorides
10 9 8 7 6 5 4 3 2 1	1120 1100 1320 1340 1400 1420 1440 1460 1320 1100	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	1120 1100 1320 1340 1400 1420 1440 1460 1320 1100
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____ REMARKS: _____			
Turnaround Time: _____ Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> Thermometer ID #113 Correction Factor -0.5°C Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Observed Temp. °C Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C			

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

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 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 167816

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 167816
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	Deferral request approved at time of retrofit or plugging and abandonment, which ever comes first. Site will remain in "Closure not approved" status until final remediation completed and closure report submitted.	12/28/2022