

NMOCD Approves the proposed Remediation plan with the following conditions of Approval
-The variance as requested " ConocoPhillips requests a variance to establish a remediation limit of 10,000 mg/kg for chlorides at this Site." is denied. The NMOCD finds that the background samples do not support this conclusion and therefore denies the variance request.
- The excavation as proposed is approved " ConocoPhillips proposes to remove the impacted material as shown in Figure 6. Impacted soils in the area around boring location AH-3 will be excavated using heavy equipment (backhoes, hoe rams, and track hoes) to a maximum depth of 4 foot below the surrounding surface or until a representative sample from the walls and bottom of the excavation is below the RRALs. Any area containing pressurized lines will be hand-dug to a depth of 1 foot or the maximum extent practicable and heavy equipment will come no more than 4 ft from any pressurized lines"
- The NMOCD requests that the rest of the site be deferred with a deferral request which can be submitted once the excavation and remediation efforts are completed.
Jocelyn Harimon 09/02/2022



TETRA TECH

August 3, 2022

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

**Re: Revised Release Characterization and Remediation Work Plan
ConocoPhillips
Heritage Concho
USP Fee #002 Release
Unit Letter P, Section 2, Township 26 South, Range 28 East
Eddy County, New Mexico
Incident ID# nJMW1324847819
2RP-1894**

Mr. Billings,

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips to assess a Heritage Concho release that occurred from a salt water disposal (SWD) facility at the United Salt Lake Plant (USP) Fee #002 (API No. 30-015-34438). The release footprint is located in Public Land Survey System (PLSS) Unit Letter D, Section 16, Township 23 South, Range 29 East, in Eddy County, New Mexico (Site). The approximate release point occurred at coordinates 32.31158°, -103.99516°, 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 August 26, 2013. The C-141 reports that the cause of the release was caused by corrosion on the bottom of a 3-inch tee on the SWD. Approximately 20 barrels (bbls) of produced water were released and approximately 10 bbls of produced water were recovered with a vacuum truck. The spill area was reported as being on the front side of the lined tank battery. The NMOCD approved the initial C-141 on September 4, 2013 and subsequently assigned the release the Incident ID nJMW1324847819 and the remediation permit (RP) number 2RP-1894. The initial C-141 form is included in Appendix A.

FEBRUARY 2022 WORK PLAN

A Release Characterization and Remediation Work Plan (Work Plan) describing the assessment activities and results was prepared by Tetra Tech on behalf of ConocoPhillips and submitted to the NMOCD via the online fee portal on February 28, 2022. The Close Request was rejected by Bradford Billings of the NMOCD via email on Monday March 7, 2022. Regulatory correspondence is included in Appendix B.

The reason for the rejection was as follows:

- "Background samples indicate much lower values for [chloride] than investigation samples. Need to determine groundwater level and Cl & (TDS) content. For now [soils] excavation parameters are denied pending GW assessment."

Tetra Tech

901 West Wall St., Suite 100, Midland, TX 79701

Tel 432.682.4559 Fax 432.682.3946 www.tetrattech.com

SITE CHARACTERIZATION

A site characterization was performed, and the site is located on an island surrounded by a large salt lake. Otherwise, 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 in an area of medium karst potential. According to data from one (1) water well listed in the NMOSE database within approximately 0.50 miles (800 meters) of the site, the depth to groundwater is 28 feet below ground surface (bgs). The site characterization data are presented in Appendix C.

To comply with the NMOCD directive presented in the March 7, 2022 email, a licensed well drilling subcontractor was onsite on July 26, 2022 to drill a temporary groundwater well on the well pad approximately 200 feet east of the release extent. The temporary groundwater well location is indicated in Figure 5. During drilling, saturated soils were initially encountered at 10 feet bgs, and the boring was terminated at 26 feet bgs when the auger met refusal. The temporary well was constructed inside the hollow stem auger borehole and the well was set and screened using 2-inch PVC well materials: 11 feet of blank casing and 15 feet of 0.010-inch slotted screen. The well was set, developed and purged and allowed to recharge for approximately 24 hours. Upon gauging the temporary well on July 27, the static water level was determined to be approximately 5 feet bgs. The New Mexico State Land Office (NMSLO) groundwater permit documentation is presented in Appendix B. The site characterization data, boring log, and temporary well diagram are presented in Appendix C.

REGULATORY FRAMEWORK

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

Based on the site characterization, background sampling results*, established depth to groundwater, and in accordance with Table I of 19.15.29.12 NMAC, the proposed RRALs for the Site are as follows:

Constituent	Site RRALs
Chloride	10,000 mg/kg*
TPH	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

*Further discussion of the background sampling methods and results and the variance request to increase the chloride RRAL are presented in subsequent sections of this report.

INITIAL RESPONSE ACTIONS AND VISUAL SITE INSPECTION

According to the initial C-141, the corroded tee was replaced with a coated 3-inch tee following the release. No further documentation of assessment or remedial actions taken at the Site were available for this release. A release extent was not provided by Concho, and it is not evident whether the release occurred within the lined containment or on the pad area outside of the containment. In the case that the release did occur within the lined containment, a review of USP Fee #2 online well files revealed documentation of a liner inspection conducted following a separate release that occurred on July 9, 2018 (Incident ID nAB1821154360; 2RP-4877). Free fluids and impacted gravel were removed, and the liner was found intact at this time. The 2018 liner inspection is included in this report as Appendix D.

On behalf of ConocoPhillips, Tetra Tech personnel conducted a visual inspection of the Site on September 21, 2021 to assess current conditions and look for evidence of the reported release. The USP Fee #2 is located on an island surrounded by a salt lake and various salt mining facilities. No visual signs of the

release were observed in the containment area. The gravel within the lined containment appeared to be fresh and no staining was observed. Some crystallization was observed on the lease pad surface in front of the produced water tank. Photographic documentation from the visual inspection is included as Appendix E. The release location and surrounding areas are presented in Figure 3.

SITE ASSESSMENT AND SAMPLING RESULTS

On February 11, 2022, Tetra Tech personnel were on site to delineate the release footprint. A total of five (5) soil borings were installed using a hand auger around the perimeter of the lined containment. No borings were installed within the containment in order to preserve the integrity of the liner, which was confirmed following the July 2018 release (Appendix D). In the case that the release occurred outside of the lined containment, one (1) soil boring (AH-1) was augured until refusal was encountered at a depth of 4 feet bgs in what was interpreted as the pad area in front (east) of the tanks in an attempt to vertically delineate the release. Four (4) soil borings (AH-2 through AH-5) were augured to a depth of 2-feet bgs at points surrounding the containment in order to horizontally delineate the release. Boring locations are shown in Figure 4.

A total of twelve (12) soil samples were collected from the five (5) borings and sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for chlorides via EPA Method SM4500Cl-B, TPH via EPA Method 8015m and BTEX via EPA Method 8021B. A copy of the laboratory analytical report and chain of custody documentation are included in Appendix F.

Analytical results from the January 2022 assessment activities are summarized in Table 1. There were no detections above the laboratory reporting limit for TPH or BTEX in any of the analyzed samples. Chloride concentrations were elevated above the RRAL of 600 mg/kg in all analyzed samples. The highest chloride concentrations were in the samples collected from AH-3 (14,800 mg/kg at 0-1 feet bgs; 11,000 mg/kg at 1-2 feet bgs), which was installed on pad to the north of the lined containment as an intended horizontal delineation point. The lowest chloride concentrations were in the samples collected from borings AH-4 (1,140 mg/kg at 0-1 feet bgs; 624 mg/kg at 1-2 feet bgs) and AH-5 (720 mg/kg at 0-1 feet bgs; 768 mg/kg at 1-2 feet bgs), which were installed off of the lease pad on the back side (north and west, respectively) of the lined containment.

ESTABLISHMENT OF BACKGROUND CHLORIDE CONCENTRATIONS

Based on the Site location in the middle of an salt lake, surrounded by salt mining operations, the soil chloride concentrations discovered during the Site assessment were suspected to reflect natural background concentrations rather than a result of the reported release. To confirm, Tetra Tech returned to the Site on February 22, 2022 to collect background samples from three (3) surface (0-0.5 feet bgs) locations (BG-1 through BG-3) off of lease pads in the surrounding vicinity. The three (3) background samples were sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for chlorides via EPA Method SM4500Cl-B. The background sampling locations are presented in Figure 5.

The analytical results associated with the background locations are summarized in Table 1. The analytical results associated with the background locations indicate that natural chloride concentrations range from 32 mg/kg and 80 mg/kg in topographically elevated locations (BG-1 and BG-2, respectively) to 928 mg/kg at topographically low locations near the salt lake shore (BG-3).

Per the NMOCD directive presented in the March 7, 2022 email, a temporary groundwater well was installed per the approved NMSLO groundwater permit on July 26, 2022. The well installation details were previously described in the "Site Characterization" section of this report. The well was purged and allowed to recharge before a groundwater sample was collected. Following collection of the groundwater sample on July 27, 2022, the well screen and casing were removed, and the borehole was plugged per the approved plugging plan. A surface water sample was also collected on July 7, 2022 from the salt lake adjacent to the well pad. The groundwater sample (TW-1) and surface water sample (SW-1) were sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for chlorides via EPA Method 4500-Cl-B and for total dissolved solids

(TDS) via EPA Method 160.1. The groundwater well and surface water sample collection locations are presented in Figure 5.

The analytical results associated with the background surface water and groundwater samples are summarized in Table 2. The analytical results indicate that natural chloride concentrations range from 144,000 mg/L in groundwater to 200,000 mg/L in surface water. Natural TDS ranges from 248,000 mg/L in groundwater to 425,000 mg/L in surface water. The laboratory analytical report is presented in Appendix F.

VARIANCE REQUEST

Based on the results of the Site assessment, ConocoPhillips considers the release to be delineated to background chloride concentrations. In accordance with 19.15.29.14 NMAC, ConocoPhillips requests a variance to establish a remediation limit of 10,000 mg/kg for chlorides at this Site. This variance is requested based on the proximity of the salt lake and saline groundwater beneath the Site, the active oil and gas operations on the lease pad, and the naturally occurring elevated background chloride concentrations in the area. Given the presence of saline surface water surrounding the site and underlying saline groundwater, the soils at the Site impacted with chlorides do not pose a threat to freshwater, human health, or the environment.

REMEDATION WORK PLAN

Based on the analytical results and the proposed chloride RRAL of 10,000 mg/kg, ConocoPhillips proposes to remove the impacted material as shown in Figure 6. Impacted soils in the area around boring location AH-3 will be excavated using heavy equipment (backhoes, hoe rams, and track hoes) to a maximum depth of 4 foot below the surrounding surface or until a representative sample from the walls and bottom of the excavation is below the RRALs. Any area containing pressurized lines will be hand-dug to a depth of 1 foot or the maximum extent practicable and heavy equipment will come no more than 4 ft from any pressurized lines.

Excavated soils will be transported offsite and disposed of at an NMOCD-approved or permitted facility. Confirmation bottom and sidewall samples will be collected for verification of remedial activities, and analyzed for TPH, BTEX, and chlorides. Once results are received, NMOCD will be notified, and the excavation will then be backfilled with clean material to surface grade. The estimated volume of material to be remediated is approximately 210 cubic yards.

ALTERNATIVE CONFIRMATION SAMPLING PLAN

In accordance with 19.15.29.12(D)(1)(b) NMAC, ConocoPhillips proposes the following alternative confirmation sampling plan to adhere with NMOCD requirements. The proposed confirmation sample locations are depicted in Figure 7. Three (3) confirmation floor samples and seven (7) confirmation sidewall samples are proposed for verification of remedial activities. The proposed excavation encompasses a surface area of approximately 1,400 square feet.

These confirmation sidewall and floor samples will be representative of no more than approximately 500 square feet of excavated area. Confirmation samples will be sent to an accredited laboratory for analysis of TPH (Method 8015 modified), BTEX (Method 8260B), and chloride (USEPA Method 300.0). Once results are received, NMOCD will be notified, and the excavation will then be backfilled with clean material to surface grade.

CONCLUSION

ConocoPhillips proposed to begin remediation activities at the Site within 120 days of NMOCD plan approval. Upon completion of the proposed work, a final closure report detailing the remediation activities and the results of the confirmation sampling will be submitted to NMOCD.

Revised Release Characterization and Remediation Work Plan
August 3, 2022

ConocoPhillips

If you have any questions concerning the soil assessment or the proposed remediation activities for the Site, please call me at (512) 217-7254 or Christian at (512) 338-2861.

Sincerely,

Tetra Tech, Inc.

A handwritten signature in blue ink, appearing to read 'SAB', with a stylized, cursive style.

Samantha K. Abbott, P.G.
Project Manager

A handwritten signature in blue ink, appearing to read 'CL', with a stylized, cursive style.

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 Location Map
- Figure 4 – Site Assessment Map
- Figure 5 – Background Sample Locations Map
- Figure 6 – Proposed Remediation Extent Map
- Figure 7 – Proposed Alternative Confirmation Sampling Plan Map

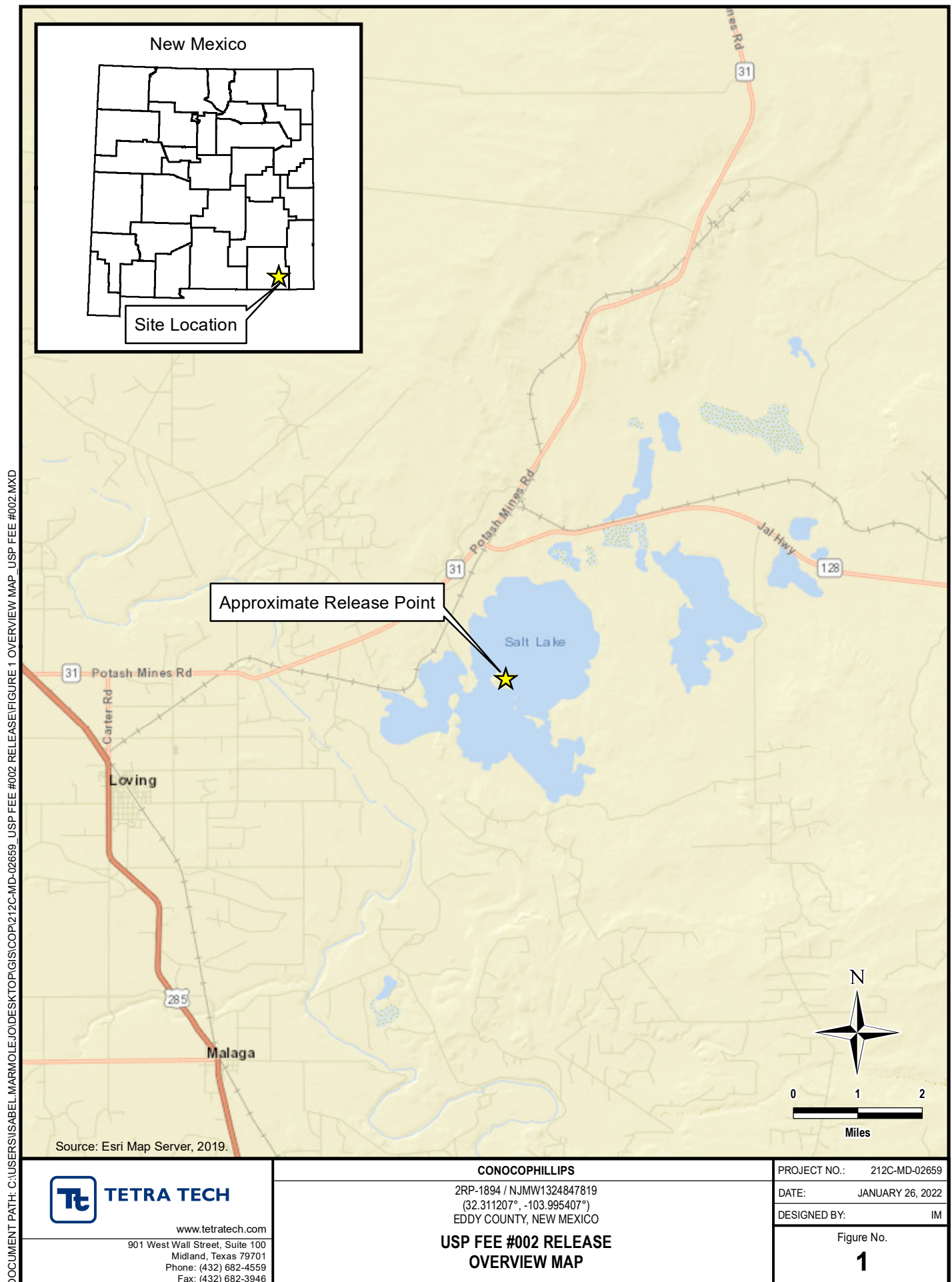
Tables:

- Table 1 – Summary of Analytical Results – Soil Assessment
- Table 2 – Summary of Analytical Results – Surface and Groundwater Background Concentrations

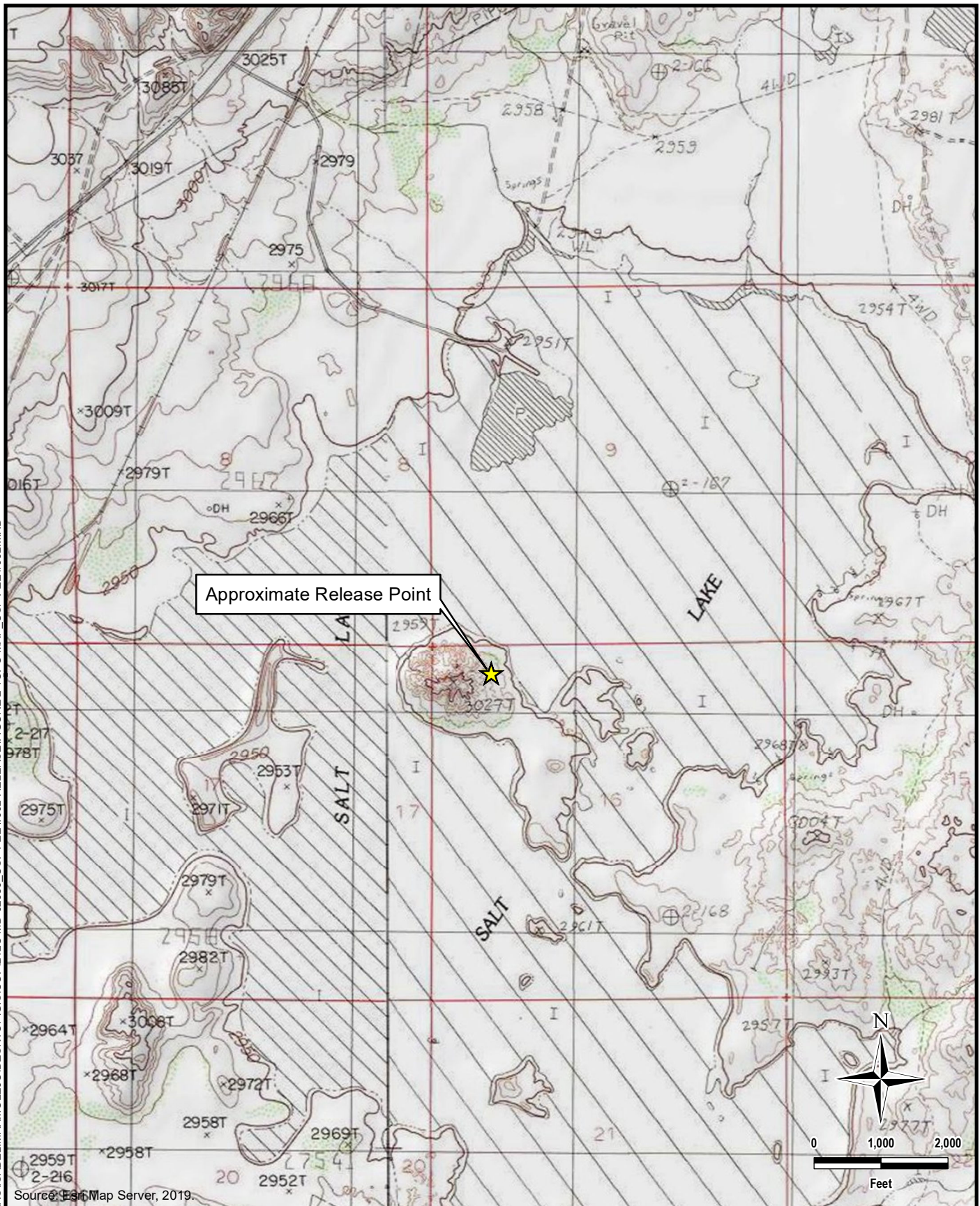
Appendices:

- Appendix A – C-141 Forms
- Appendix B – Site Characterization Data
- Appendix C – Regulatory Correspondence
- Appendix D – 2018 Liner Inspection
- Appendix E – Photographic Documentation
- Appendix F – Laboratory Analytical Data

FIGURES



DOCUMENT PATH: C:\USERS\ISABEL MARMOLEJO\DESKTOP\GIS\COP\212C-MD-02659_USP FEE #002 RELEASE\FIGURE 2 TOPO MAP_USP FEE #002.MXD

**TETRA TECH**

www.tetrattech.com

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Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

CONOCOPHILLIPS

2RP-1894 / NJMW1324847819
(32.311207°, -103.995407°)
EDDY COUNTY, NEW MEXICO

**USP FEE #002 RELEASE
TOPOGRAPHIC MAP**

PROJECT NO.: 212C-MD-02659

DATE: JANUARY 26, 2022

DESIGNED BY: IM

Figure No.

2

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CONOCOPHILLIPS

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(32.311207°, -103.995407°)
EDDY COUNTY, NEW MEXICO

**USP FEE #002 RELEASE
SITE LOCATION MAP**

PROJECT NO.: 212C-MD-02659

DATE: FEBRUARY 22, 2022

DESIGNED BY: IM

Figure No.

3

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CONOCOPHILLIPS

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(32.311207°, -103.995407°)
EDDY COUNTY, NEW MEXICO

**USP FEE #002 RELEASE
SITE ASSESSMENT MAP**

PROJECT NO.: 212C-MD-02659

DATE: FEBRUARY 28, 2022

DESIGNED BY: IM

Figure No.

4

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2RP-1894 / NJMW1324847819
(32.311207°, -103.995407°)
EDDY COUNTY, NEW MEXICO

**USP FEE #002 RELEASE
BACKGROUND SAMPLE LOCATIONS MAP**

PROJECT NO.: 212C-MD-02659

DATE: AUGUST 03, 2022

DESIGNED BY: IM

Figure No.

5

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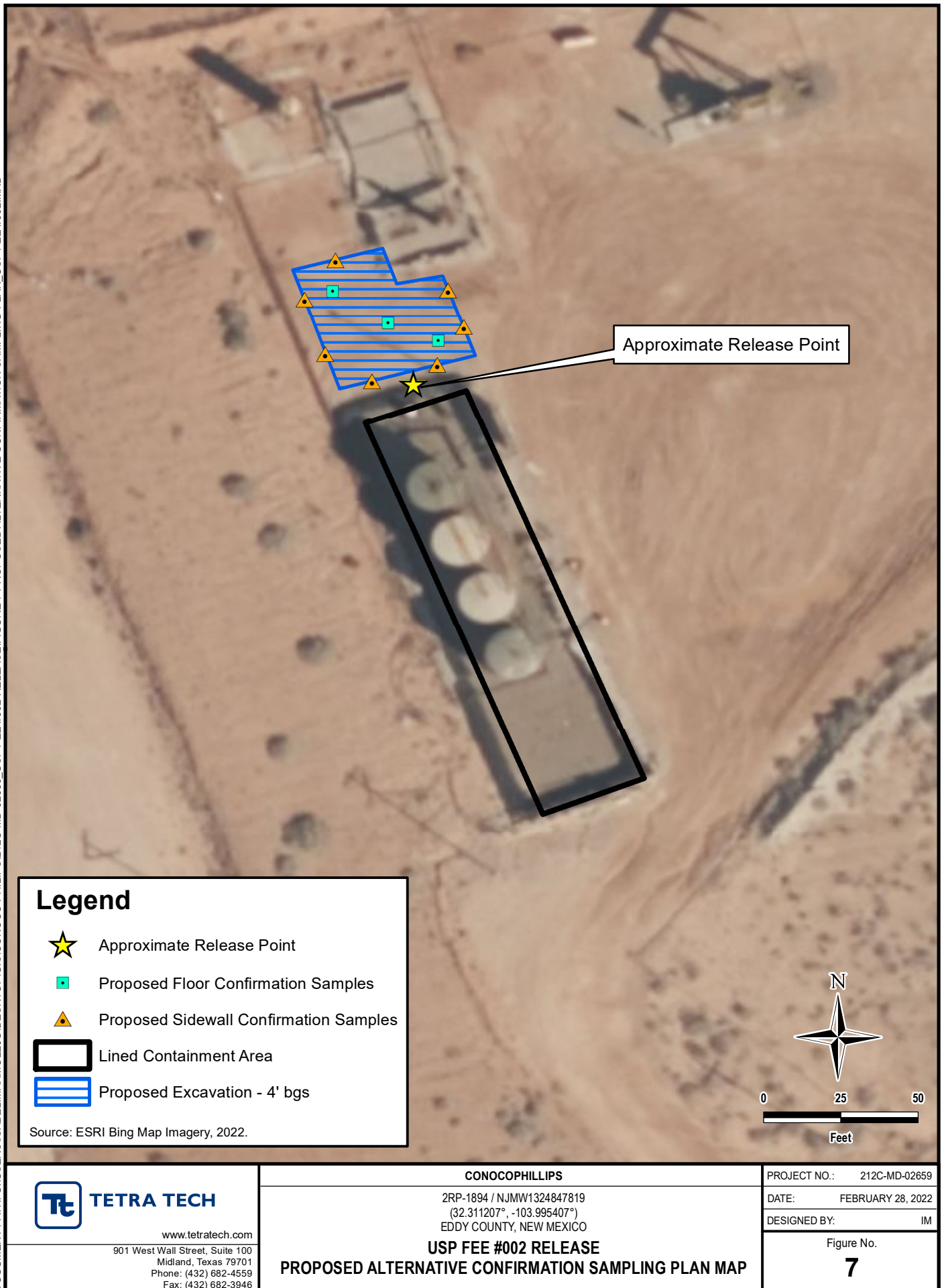


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TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT- NJMW1324847819
HERITAGE CONCHO
USP FEE #002 BATTERY RELEASE
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride ¹		BTEX ²										TPH ³							
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
		C ₆ - C ₁₀			> C ₁₀ - C ₂₈												> C ₂₈ - C ₃₆							
		ft. bgs	ppm		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
AH-1	2/11/2022	0-1	5,100	-	5,360		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	4,790	-	3,840		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		2-3	5,110	-	4,560		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		3-4	5,290	-	4,320	QM-07	< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
AH-2	2/11/2022	0-1	5,500	-	6,130		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	6,040	-	4,720		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
AH-3	2/11/2022	0-1	11,370	-	14,800		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	8,380	-	11,000		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
AH-4	2/11/2022	0-1	2,190	-	1,140		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	1,700	-	624		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
AH-5	2/11/2022	0-1	2,010	-	720		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	1,920	-	768		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
BG-1	2/22/2022	0-0.5	-	-	32.0		NA		NA		NA		NA		NA		NA		NA		NA		-	
BG-2	2/22/2022	0-0.5	-	-	80.0		NA		NA		NA		NA		NA		NA		NA		NA		-	
BG-3	2/22/2022	0-0.5	-	-	928		NA		NA		NA		NA		NA		NA		NA		NA		-	

NOTES:

- ft. Feet
- bgs Below ground surface
- mg/kg Milligrams per kilogram
- TPH Total Petroleum Hydrocarbons
- GRO Gasoline range organics
- DRO Diesel range organics
- NA Sample not analyzed for constituent
- 1 Method SM4500Cl-B
- 2 Method 8021B
- 3 Method 8015M

Bold and italicized values indicate exceedance of proposed Remediation RRALs (10,000 mg/kg Chlorides).

Shaded rows indicate intervals proposed for excavation.

QUALIFIERS:

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

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
SURFACE AND GROUNDWATER BACKGROUND CONCENTRATIONS
HERITAGE CONCHO
USP FEE #002 RELEASE - NJMW1324847819
EDDY COUNTY, STATE

Sample ID	Sample Date	Chloride ¹		TDS ²	
		mg/L	Q	mg/L	Q
SW-1	7/27/2022	200,000		425,000	
TW-1	7/27/2022	144,000		248,000	

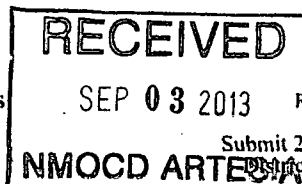
NOTES:

- ft. Feet
bgs Below ground surface
mg/L Milligrams per litre
1 Method SM4500Cl-B
2 Method 160.1

APPENDIX A C-141 Forms

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
20 S. St. Francis Dr., Santa Fe, NM 87505

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



Form C-141
Revised October 10, 2003
Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

Operator ☒ Initial Report ☐ Final Report

Name of Company COG OPERATING LLC **Contact** Robert McNeill
Address 600 West Illinois Avenue, Midland, TX 79701 **Telephone No.** 432-230-0077
Facility Name USP Fee #2 **Facility Type** Well Pad

Surface Owner State **Mineral Owner** **Lease No. (API#)** 30-015-34438

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	16	23S	29E					Eddy

Latitude 32.31158

Longitude 103.99516

NATURE OF RELEASE

Type of Release Produced water	Volume of Release 20bbls	Volume Recovered 10bbls
Source of Release 3" Tee	Date and Hour of Occurrence 08-26-2013	Date and Hour of Discovery 08-26-2013 08:00am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

A small hole developed on the bottom of a 3" tee on the SWD due to corrosion. Replace tee with a coated 3" coated tee.

Describe Area Affected and Cleanup Action Taken.*

Initially an estimated 20bbls were released from a corroded 3" tee. We were able to recover 10bbls of fluid with a vacuum truck. The spill area is located on the location along the front side of the lined tank battery. Tetra Tech will sample the spill site area to delineate any possible contamination from the release and we will present a work plan to the NMOCN 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 NMOCN 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 NMOCN 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, NMOCN 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.

OIL CONSERVATION DIVISION

Signature:
 Printed Name: Robert Grubbs Jr.
 Title: Senior Environmental Coordinator
 E-mail Address: rgrubbs@concho.com

Approved by District Supervisor: Signed By
 SEP 04 2013
 Approval Date: Expiration Date:
 Conditions of Approval:
 Remediation per OCD Rule & Guidelines. SUBMIT REMEDIATION PROPOSAL NO LATER THAN:
 Attached ☐

Date: 09-03-2013 Phone: 432-661-6601

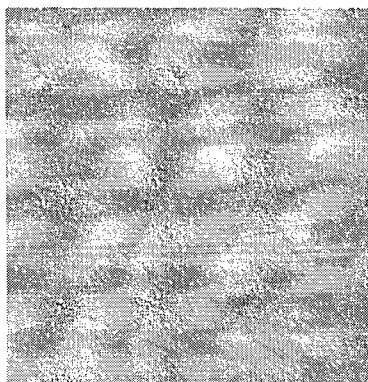
Attach Additional Sheets If Necessary

October 4, 2013

2RP-1894

Bratcher, Mike, EMNRD

From: Robert Grubbs <RGrubbs@concho.com>
Sent: Tuesday, September 03, 2013 3:03 PM
To: Bratcher, Mike, EMNRD
Cc: Robert McNeill; Tavarez, Ike; Kujawski, Marcus (Marcus.Kujawski@tetrattech.com)
Subject: C-141 Initial Report - USP Fee #2
Attachments: USP Fee #2 (Well Pad) -- Date Of Release -- 08-26-2013 Inital.pdf



Mr. Bratcher,

Please see attached the C-141 Initial Report for a release that occurred at our USP Fee #2 (Well Pad) on 08-26-2013 in Eddy County New Mexico.
We plan to assess the spill area timely.

Thank you,

Robert Grubbs Jr.
Sr. Environmental Coordinator
432.683.7443 (main)
432.818.2369 (direct)
432.661.6601 (cell)
rgrubbs@concho.com
Mailing Address:
One Concho Center
600 W. Illinois Avenue
Midland, Texas 79701



CONFIDENTIALITY NOTICE: The information in this email may be confidential and/or privileged. If you are not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any review, dissemination or copying of this email and its attachments, if any, or the information contained herein, is prohibited. If you have received this email in error, please immediately notify the sender by return email and delete this email from your system. Thank you.

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Charles R. Beauvais II Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 08/03/2022

Incident ID	
District RP	
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: _____ Title: _____

Signature: Charles R. Beauvais II Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 08/03/2022

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Jocelyn Harimon Date: 09/02/2022

NMOCD Approves the proposed Remediation plan with the following conditions of Approval

-The variance as requested " ConocoPhillips requests a variance to establish a remediation limit of 10,000 mg/kg for chlorides at this Site." is denied. The NMOCD finds that the background samples do not support this conclusion and therefore denies the variance request.

- The excavation as proposed is approved " ConocoPhillips proposes to remove the impacted material as shown in Figure 6. Impacted soils in the area around boring location AH-3 will be excavated using heavy equipment (backhoes, hoe rams, and track hoes) to a maximum depth of 4 foot below the surrounding surface or until a representative sample from the walls and bottom of the excavation is below the RRALs. Any area containing pressurized lines will be hand-dug to a depth of 1 foot or the maximum extent practicable and heavy equipment will come no more than 4 ft from any pressurized lines"

- The NMOCD requests that the rest of the site be deferred with a deferral request which can be submitted once the excavation and remediation efforts are completed.

APPENDIX B

Site Characterization Data

From: [Lull, Christian](#)
To: [Abbott, Sam](#)
Subject: Fwd: The Oil Conservation Division (OCD) has rejected the application, Application ID: 84902
Date: Friday, March 4, 2022 6:36:56 PM

Rejected.

USP Fee #002 Release

Eddy County, NM

Approximate Release Location: 32.31158°, -103.99516°

Christian

Get [Outlook](#) for iOS

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, March 4, 2022 5:14:20 PM
To: Lull, Christian <Christian.Lull@tetrattech.com>
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 84902

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

To whom it may concern (c/o Christian Lull 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#) nJMW1324847819, for the following reasons:

- **Background samples indicate much lower values for CL than investigation samples. Need to determine groundwater level and Cl &(TDS) content. For now sals excavation parameters are denied pending GW assessment**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 84902.

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,
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

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 728599
File Nbr: C 04647

Jun. 28, 2022

ENVIROTECH DRILLING SERVICES
. TETRA TECH INC
226 E TIDWELL RD
HOUSTON, TX 77022

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

- * If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.
- * If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.
- * The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.
- * This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

A handwritten signature in black ink, appearing to read "Megan Telles".

Megan Telles
(575) 622-6521

Enclosure

explore

File No. C-04647

NEW MEXICO OFFICE OF THE STATE ENGINEER



WR-07 APPLICATION FOR PERMIT TO DRILL

A WELL WITH NO WATER RIGHT

(check applicable box):

For fees, see State Engineer website: <http://www.ose.state.nm.us/>

Purpose: ☐ Pollution Control And/Or Recovery ☐ Ground Source Heat Pump
☐ Exploratory Well (Pump test) ☐ Construction Site/Public Works Dewatering ☐ Other(Describe):
☒ Monitoring Well ☐ Mine Dewatering

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.

☒ Temporary Request - Requested Start Date: 06/01/2022 Requested End Date: 06/30/2022
Plugging Plan of Operations Submitted? ☒ Yes ☐ No

1. APPLICANT(S)

Name: Tetra Tech Inc on Behalf of ConocoPhillips	Name:
Contact or Agent: check here if Agent <input checked="" type="checkbox"/> Envirotech Drilling Services, LLC	Contact or Agent: check here if Agent <input type="checkbox"/>
Mailing Address: 226 E Tidwell Rd	Mailing Address:
City: Houston	City:
State: TX Zip Code: 77022	State: Zip Code:
Phone: <input type="checkbox"/> Home <input type="checkbox"/> Cell Phone (Work):	Phone: <input type="checkbox"/> Home <input type="checkbox"/> Cell Phone (Work):
E-mail (optional):	E-mail (optional):

FOR OSE INTERNAL USE

Application for Permit, Form WR-07, Rev 11/17/16

File No.: C-04647	Trn. No.: 728599	Receipt No.: 2-48624
Trans Description (optional): C-04647 P001		
Sub-Basin: C	PCW/LOG Due Date: 6/28/23	

Page 1 of 3

2. WELL(S) Describe the well(s) applicable to this application.

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84). District II (Roswell) and District VII (Cimarron) customers, provide a PLSS location in addition to above.			
<input type="checkbox"/> NM State Plane (NAD83) (Feet) <input type="checkbox"/> UTM (NAD83) (Meters) <input checked="" type="checkbox"/> Lat/Long (WGS84) (to the nearest 1/10 th of second)			
<input type="checkbox"/> NM West Zone <input type="checkbox"/> Zone 12N <input type="checkbox"/> NM East Zone <input type="checkbox"/> Zone 13N <input type="checkbox"/> NM Central Zone			
Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (Quarters or Halves, Section, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
TW-1	32.311472°	-103.994857°	SENENUNW 16 235 29E USP fee
NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions) Additional well descriptions are attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how many _____			
Other description relating well to common landmarks, streets, or other:			
Well is on land owned by:			
Well Information: NOTE: If more than one (1) well needs to be described, provide attachment. Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how many _____			
Approximate depth of well (feet):		Outside diameter of well casing (inches):	
Driller Name: DAVID DRAYBUCK		Driller License Number: WD-1757	

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

Drilling temporary monitoring well.

FOR OSE INTERNAL USE

Application for Permit, Form WR-07

File No.:

C-04647

Trm No.:

778599

Page 2 of 3

4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

Exploratory: <input type="checkbox"/> Include a description of any proposed pump test, if applicable.	Pollution Control and/or Recovery: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for the pollution control or recovery operation. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The annual diversion amount. <input type="checkbox"/> The annual consumptive use amount. <input type="checkbox"/> The maximum amount of water to be diverted and injected for the duration of the operation. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> The method of measurement of water produced and discharged.	Construction De-Watering: <input type="checkbox"/> Include a description of the proposed dewatering operation, <input type="checkbox"/> The estimated duration of the operation, <input type="checkbox"/> The maximum amount of water to be diverted, <input type="checkbox"/> A description of the need for the dewatering operation, and, <input type="checkbox"/> A description of how the diverted water will be disposed of.	Mine De-Watering: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for mine dewatering. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The source(s) of the water to be diverted. <input type="checkbox"/> The geohydrologic characteristics of the aquifer(s). <input type="checkbox"/> The maximum amount of water to be diverted per annum. <input type="checkbox"/> The maximum amount of water to be diverted for the duration of the operation. <input type="checkbox"/> The quality of the water.
Monitoring: <input checked="" type="checkbox"/> Include the reason for the monitoring well, and, <input checked="" type="checkbox"/> The duration of the planned monitoring.	<input type="checkbox"/> The method of measurement of water injected. <input type="checkbox"/> The characteristics of the aquifer. <input type="checkbox"/> The method of determining the resulting annual consumptive use of water and depletion from any related stream system. <input type="checkbox"/> Proof of any permit required from the New Mexico Environment Department. <input type="checkbox"/> An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.	Ground Source Heat Pump: <input type="checkbox"/> Include a description of the geothermal heat exchange project, <input type="checkbox"/> The number of boreholes for the completed project and required depths. <input type="checkbox"/> The time frame for constructing the geothermal heat exchange project, and, <input type="checkbox"/> The duration of the project. <input type="checkbox"/> Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.	<input type="checkbox"/> The method of measurement of water diverted. <input type="checkbox"/> The recharge of water to the aquifer. <input type="checkbox"/> Description of the estimated area of hydrologic effect of the project. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. <input type="checkbox"/> A description of the methods employed to estimate effects on surface water rights and underground water rights; <input type="checkbox"/> Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.

ACKNOWLEDGEMENT

I, We (name of applicant(s)),

David Draybuck

Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.

Applicant Signature

Applicant Signature

ACTION OF THE STATE ENGINEER

This application is:

☒ approved

☐ partially approved

☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 28 day of June 20 22 for the State Engineer,

Mike Hamman, P.E., State Engineer

By: K. Parekh
Signature

Kashyap Parekh
Print

Title: Water Resource Manager I
Print

FOR OSE INTERNAL USE

Application for Permit, Form WR-07

File No.:

C-04647

Trn No.:

728599

Page 3 of 3

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL

- 17-16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.
- 17-1A Depth of the well shall not exceed the thickness of the valley fill.
- 17-4 No water shall be appropriated and beneficially used under this permit.
- 17-6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging.

Trn Desc: C 04647 POD1

File Number: C 04647

Trn Number: 728599

page: 1

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL (Continued)

- 17-7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- 17-B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
- 17-C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record.
The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
- 17-C2 No water shall be diverted from this well except for testing purposes which shall not exceed ten (10) cumulative days, and well shall be plugged or capped on or before , unless a permit to use water from this well is acquired from the Office of the State Engineer.
- 17-G If artesian water is encountered, the well driller shall comply with all rules and regulations pertaining to the drilling and casing of artesian wells.
- 17-P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.

Trn Desc: C 04647 POD1

File Number: C 04647

Trn Number: 728599

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL (Continued)

- 17-Q The State Engineer retains jurisdiction over this permit.
- 17-R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.
- LOG The Point of Diversion C 04647 POD1 must be completed and the Well Log filed on or before 06/28/2023.

IT IS THE PERMITTEE'S RESPONSIBILITY TO OBTAIN ALL AUTHORIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE COMMENCING ACTIVITIES UNDER THIS PERMIT.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd:	Date Rcvd. Corrected:
Formal Application Rcvd: 06/17/2022	Pub. of Notice Ordered:
Date Returned - Correction:	Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 28 day of Jun A.D., 2022

Mike A. Hamman, P.E., State Engineer

By: K. Parekh
KASHYAP PAREKH

Trn Desc: C 04647 POD1

File Number: C 04647

Trn Number: 728599

OFFICE OF THE STATE ENGINEER/INTERSTATE STREAM COMMISSION – SANTA FE OFFICE

OFFICIAL RECEIPT NUMBER: 6-48624 DATE: 6/13/22 FILE NO.: T8D
TOTAL: 5.00 RECEIVED: Five and 00/100 DOLLARS CHECK NO.: 10210 CASH: N/A
PAYOR: Enviro tech ADDRESS: 226 E Tidwell Rd CITY: Flagler STATE: TX
ZIP: 77622 RECEIVED BY: [Signature]

INSTRUCTIONS: Indicate the number of actions to the left of the appropriate type of filing. Complete the receipt information. **Original** to payor; **pink** copy to Program Support/ASD; and **yellow** copy for Water Rights. If a mistake is made, void the original and all copies and submit to Program Support/ASD as part of your daily deposit.

A. Ground Water Filing Fees

1.	Change of Ownership of Water Right	\$ 2.00
2.	Application to Appropriate or Supplement Domestic 72-12-1 Well	\$ 125.00
3.	Application to Repair or Deepen 72-12-1 Well	\$ 75.00
4.	Application for Replacement 72-12-1 Well	\$ 75.00
5.	Application to Change Purpose of Use 72-12-1 Well	\$ 75.00
6.	Application for Stock Well	\$ 5.00

B. Surface Water Filing Fees

1.	Change of Ownership of a Water Right	\$ 5.00
2.	Declaration of Water Right	\$ 10.00
3.	Amended Declaration	\$ 25.00
4.	Application to Change Point of Diversion and Place and/or Purpose of Use from Surface Water to Surface Water	\$ 200.00
5.	Application to Change Point of Diversion and Place and/or Purpose of Use from Ground Water to Surface Water	\$ 200.00
6.	Application to Change Point of Diversion	\$ 100.00
7.	Application to Change Place and/or Purpose of Use	\$ 100.00
8.	Application to Appropriate	\$ 25.00
9.	Notice of Intent to Appropriate	\$ 25.00
10.	Application for Extension of Time	\$ 50.00
11.	Supplemental Well to a Surface Right	\$ 100.00
12.	Return Flow Credit	\$ 100.00
13.	Proof of Completion of Works	\$ 25.00
14.	Proof of Application of Water to Beneficial Use	\$ 25.00
15.	Water Development Plan	\$ 100.00
16.	Declaration of Livestock Water Impoundment	\$ 10.00
17.	Application for Livestock Water Impoundment	\$ 10.00

C. Well Driller Fees

1. Application for Well Driller's License	\$ 50.00
2. Application for Renewal of Well Driller's License	\$ 50.00
3. Application to Amend Well Driller's License	\$ 50.00

D. Reproduction of Documents

	Map(s)	@ 0.25¢	\$
_____	_____	_____	_____

E. Certification

E. Certification _____ \$_____

Other

67

Comments

G. Comments:

15. Application for Test, Expl. Observ. Well	\$ 5.00
16. Application for Extension of Time	\$ 25.00
17. Proof of Application to Beneficial Use	\$ 25.00
18. Notice of Intent to Appropriate	\$ 25.00

All fees are non-refundable.

APPENDIX C

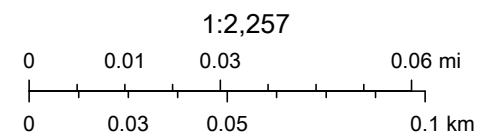
Regulatory Correspondence

OCD Water Bodies



1/11/2022, 12:05:59 PM

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



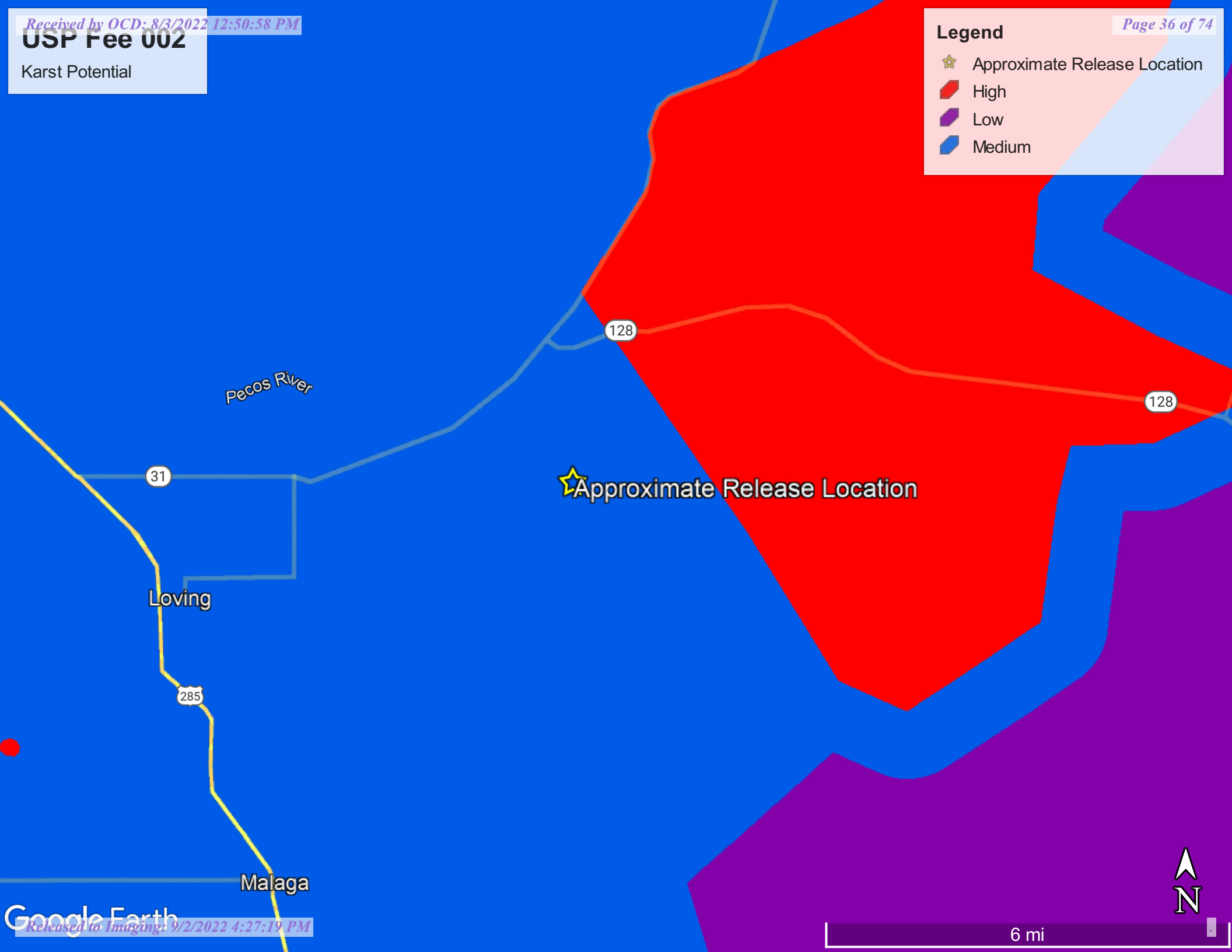
Maxar, Microsoft, OCD

USP Fee 002

Karst Potential

Legend

- ☆ Approximate Release Location
- High
- Low
- Medium



Pecos River

31

Loving

285

Malaga

128

128

☆ Approximate Release Location





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			Q Q Q						X	Y	Distance	Depth Well	Depth Water	Water Column	
	Sub-Code	basin	County	64	16	4	Sec	Tws	Rng							
C 03058 EXPLORE	CUB	ED	4	1	1	16	23S	29E	594605	3575206*		210	150			
C 02705	C	ED				2	17	23S	29E	593902	3575093*		761	68	28	40

Average Depth to Water: **28 feet**

Minimum Depth: **28 feet**

Maximum Depth: **28 feet**

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 594592

Northing (Y): 3575416

Radius: 800

*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 11:02 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

212C-MD-02747		TETRA TECH		LOG OF BORING TW-1			Page 1 of 1	
Project Name: USP Fee #002								
Borehole Location: GPS Coordinates: 32.311472°, -103.994857°				Surface Elevation (ft): 2966				
Borehole Number: TW-1			Borehole Diameter (in.): 7.25		Date Started: 7/26/2022		Date Finished: 7/26/2022	

WATER LEVEL OBSERVATIONS														
While Drilling <u>10</u> ft 24 Hours After Completion of Drilling <u>5</u> ft														
Remarks: Borehole plugged after sample collection.														
DEPTH (ft)	OPERATION TYPES	SAMPLE	STANDARD PENETRATION TEST	PID (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	WELL DIAGRAM
0.5											-CALICHE- CALICHE: Tan, dense, dry -SC- CLAYEY SAND: Reddish brown, medium dense, dry, fine-grained, with moderate amounts of gravel	0.5	<div style="position: absolute; right: 0; top: 0;">2" Schedule 40 PVC Casing</div> <div style="position: absolute; right: 0; top: 50%;">2 ft. Bentonite Seal</div> <div style="position: absolute; right: 0; top: 80%;">17 ft. Silica Sand Filter Pack</div> <div style="position: absolute; right: 0; bottom: 0;">2" Schedule 40 PVC Slotted Screen (0.010")</div>	
5											-CL- SANDY CLAY: Dark brown, stiff, medium to high plasticity, moist to wet	10		
10														
15														
20														
24											-GYPSUM- GYPSUM: White, hard, massive	24		
26														

Bottom of borehole at 26.0 feet.

Sampler Types: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> Split Spoon Shelby Bulk Sample Grab Sample </div> <div style="width: 50%;"> Acetate Liner Vane Shear California Sonic </div> </div>	Operation Types: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> Mud Rotary Continuous Flight Auger Hollow Stem Auger </div> <div style="width: 50%;"> Auger Air Rotary Direct Push HSA </div> </div>	Notes: Surface elevation is an estimated value from Google Earth data. Following collection of the groundwater sample on July 27, 2022, the well screen and casing were removed, and the borehole was plugged per the NMOSE approved plugging plan.
Logger: Joe Tyler	Drilling Equipment: Hollow Stem Auger	Driller: Envirotech Drilling Services, LLC - WD 1757

APPENDIX D

2018 Liner Inspection

Bratcher, Mike, EMNRD

From: DeAnn Grant <agrانت@concho.com>
Sent: Friday, August 3, 2018 7:20 AM
To: Pruett, Maria, EMNRD; Mann, Ryan
Cc: Bratcher, Mike, EMNRD; Ike Tavarez; Robert McNeill; Sheldon Hitchcock; Dakota Neel; Rebecca Haskell; DeAnn Grant
Subject: (C-141 Final) USP Fee #002 (30-15-34438) 07-09-2018
Attachments: (C-141 Final) USP Fee #002 (30-15-34438) 07-09-2018.pdf

Ms. Pruett/Mr. Mann,

A final inspection has been conducted regarding the clean-up efforts made at the above mentioned lined facility. Free fluids were removed and if present the impacted gravel was removed from the liner and taken to a NMOCD approved disposal facility. The liner was inspected for damage and found to have liner integrity to contain free fluids. Please see the attached Final C-141 and picture taken during the final inspection conducted by a COG HSE representative.



Thank you,

DeAnn Grant
HSE Administrative Assistant
agrانت@concho.com
COG Operating LLC #

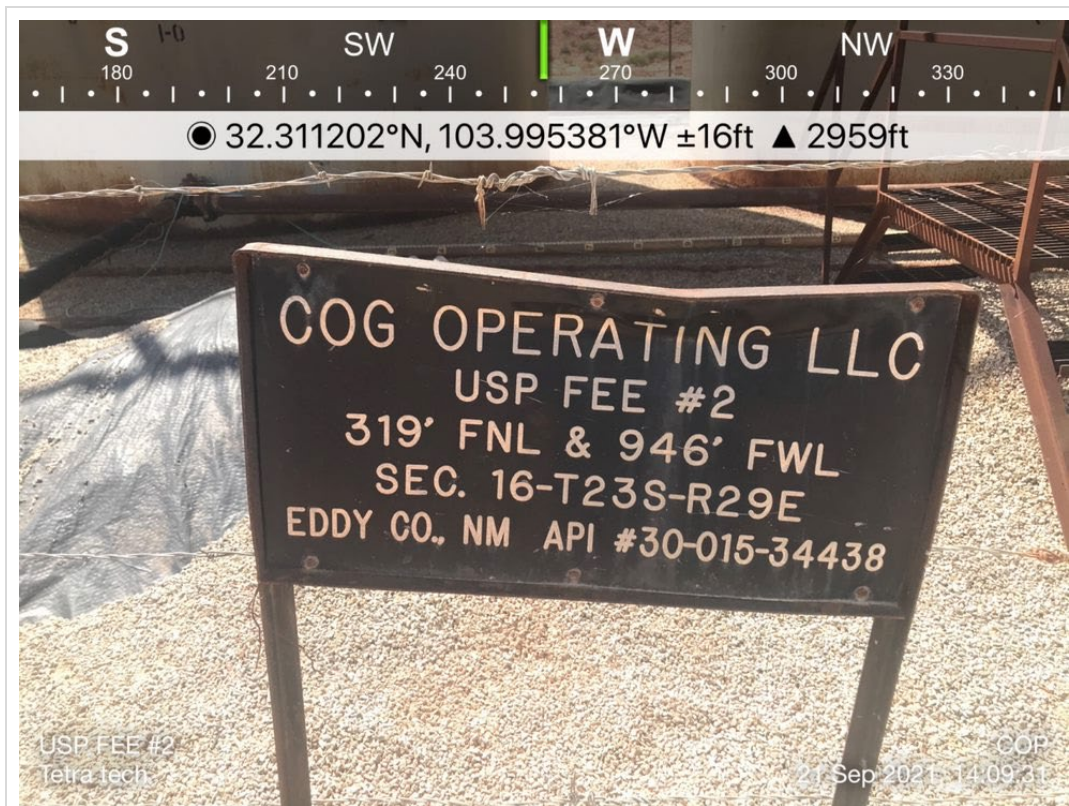
600 W Illinois Avenue | Midland, TX 79701
Direct: 432-253-4513 | Main: 432.683.7443



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APPENDIX E

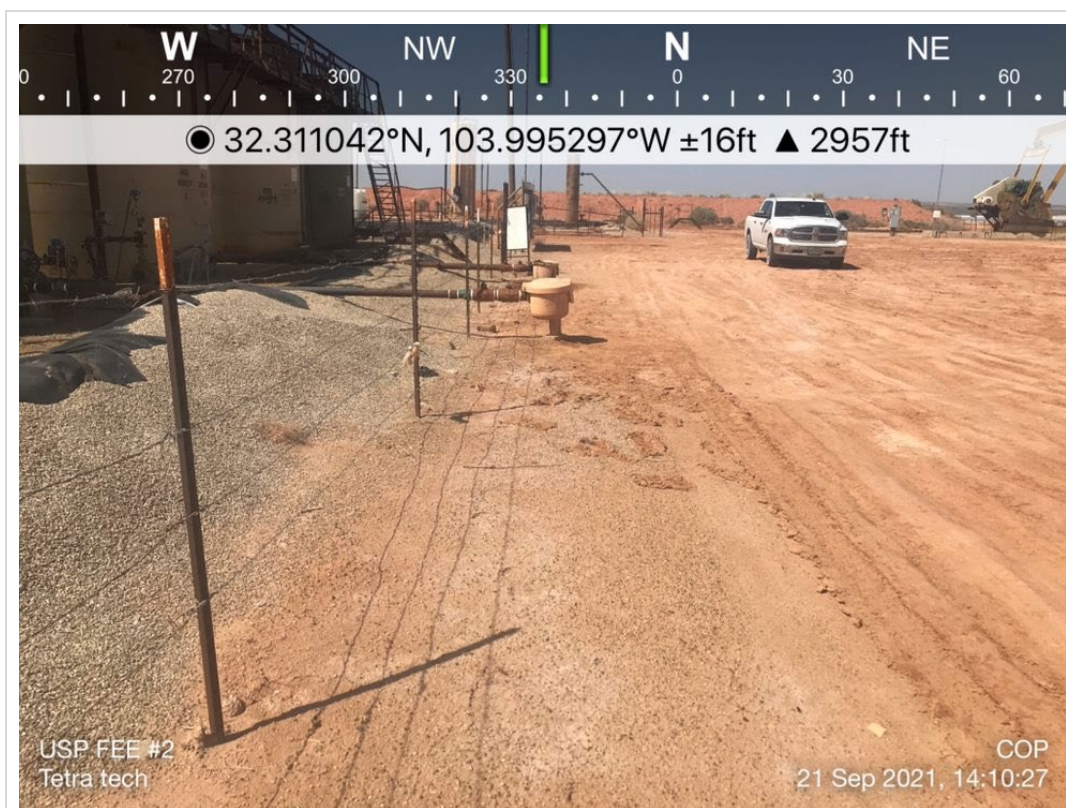
Photographic Documentation



TETRA TECH, INC. PROJECT NO. 212C-MD-02578	DESCRIPTION	View west of USP FEE #002 signage	1
	SITE NAME	HConcho - USP FEE #002	9/21/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02578	DESCRIPTION	View west of the release area and tank battery secondary containment.	2
	SITE NAME	HConcho - USP FEE #002	9/21/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02578	DESCRIPTION	View north of the release area along tank batteries.	3
	SITE NAME	HConcho - USP FEE #002	9/21/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02578	DESCRIPTION	View south of the release area along tank batteries.	4
	SITE NAME	HConcho - USP FEE #002	9/21/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02578	DESCRIPTION	View northeast east of the release area and lease pad/roadway.	5
	SITE NAME	HConcho - USP FEE #002	9/21/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02578	DESCRIPTION	View west of the release area and tank battery secondary containment.	6
	SITE NAME	HConcho - USP FEE #002	9/21/2021

APPENDIX F

Laboratory Analytical Data



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

February 15, 2022

SAM ABBOTT

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: USP FEE #002

Enclosed are the results of analyses for samples received by the laboratory on 02/11/22 13:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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
 SAM ABBOTT
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	02/11/2022	Sampling Date:	02/11/2022
Reported:	02/15/2022	Sampling Type:	Soil
Project Name:	USP FEE #002	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: AH - 1 (0-1') (H220548-01)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2022	ND	1.84	91.8	2.00	7.05	
Toluene*	<0.050	0.050	02/13/2022	ND	1.86	93.0	2.00	6.57	
Ethylbenzene*	<0.050	0.050	02/13/2022	ND	1.81	90.6	2.00	6.06	
Total Xylenes*	<0.150	0.150	02/13/2022	ND	5.67	94.5	6.00	5.02	
Total BTEX	<0.300	0.300	02/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5360	16.0	02/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	231	116	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	206	103	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 120 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/11/2022
 Reported: 02/15/2022
 Project Name: USP FEE #002
 Project Number: 212C - MD - 02659
 Project Location: EDDY CO NM

Sampling Date: 02/11/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: AH - 1 (1'-2') (H220548-02)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2022	ND	1.84	91.8	2.00	7.05		
Toluene*	<0.050	0.050	02/13/2022	ND	1.86	93.0	2.00	6.57		
Ethylbenzene*	<0.050	0.050	02/13/2022	ND	1.81	90.6	2.00	6.06		
Total Xylenes*	<0.150	0.150	02/13/2022	ND	5.67	94.5	6.00	5.02		
Total BTX	<0.300	0.300	02/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3840	16.0	02/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	231	116	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	206	103	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 124 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/11/2022
 Reported: 02/15/2022
 Project Name: USP FEE #002
 Project Number: 212C - MD - 02659
 Project Location: EDDY CO NM

Sampling Date: 02/11/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: AH - 1 (2'-3') (H220548-03)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2022	ND	1.84	91.8	2.00	7.05		
Toluene*	<0.050	0.050	02/13/2022	ND	1.86	93.0	2.00	6.57		
Ethylbenzene*	<0.050	0.050	02/13/2022	ND	1.81	90.6	2.00	6.06		
Total Xylenes*	<0.150	0.150	02/13/2022	ND	5.67	94.5	6.00	5.02		
Total BTEX	<0.300	0.300	02/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4560	16.0	02/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	231	116	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	206	103	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/11/2022
 Reported: 02/15/2022
 Project Name: USP FEE #002
 Project Number: 212C - MD - 02659
 Project Location: EDDY CO NM

Sampling Date: 02/11/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: AH - 1 (3'-4') (H220548-04)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2022	ND	1.84	91.8	2.00	7.05		
Toluene*	<0.050	0.050	02/13/2022	ND	1.86	93.0	2.00	6.57		
Ethylbenzene*	<0.050	0.050	02/13/2022	ND	1.81	90.6	2.00	6.06		
Total Xylenes*	<0.150	0.150	02/13/2022	ND	5.67	94.5	6.00	5.02		
Total BTX	<0.300	0.300	02/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4320	16.0	02/14/2022	ND	400	100	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	231	116	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	206	103	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/11/2022
 Reported: 02/15/2022
 Project Name: USP FEE #002
 Project Number: 212C - MD - 02659
 Project Location: EDDY CO NM

Sampling Date: 02/11/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: AH - 2 (0-1') (H220548-05)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2022	ND	1.84	91.8	2.00	7.05		
Toluene*	<0.050	0.050	02/13/2022	ND	1.86	93.0	2.00	6.57		
Ethylbenzene*	<0.050	0.050	02/13/2022	ND	1.81	90.6	2.00	6.06		
Total Xylenes*	<0.150	0.150	02/13/2022	ND	5.67	94.5	6.00	5.02		
Total BTEx	<0.300	0.300	02/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6130	16.0	02/14/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	231	116	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	206	103	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/11/2022
 Reported: 02/15/2022
 Project Name: USP FEE #002
 Project Number: 212C - MD - 02659
 Project Location: EDDY CO NM

Sampling Date: 02/11/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: AH - 2 (1'-2') (H220548-06)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2022	ND	1.84	91.8	2.00	7.05		
Toluene*	<0.050	0.050	02/13/2022	ND	1.86	93.0	2.00	6.57		
Ethylbenzene*	<0.050	0.050	02/13/2022	ND	1.81	90.6	2.00	6.06		
Total Xylenes*	<0.150	0.150	02/13/2022	ND	5.67	94.5	6.00	5.02		
Total BTEx	<0.300	0.300	02/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4720	16.0	02/14/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	231	116	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	206	103	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/11/2022
 Reported: 02/15/2022
 Project Name: USP FEE #002
 Project Number: 212C - MD - 02659
 Project Location: EDDY CO NM

Sampling Date: 02/11/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: AH - 3 (0-1') (H220548-07)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2022	ND	1.84	91.8	2.00	7.05		
Toluene*	<0.050	0.050	02/13/2022	ND	1.86	93.0	2.00	6.57		
Ethylbenzene*	<0.050	0.050	02/13/2022	ND	1.81	90.6	2.00	6.06		
Total Xylenes*	<0.150	0.150	02/13/2022	ND	5.67	94.5	6.00	5.02		
Total BTEx	<0.300	0.300	02/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14800	16.0	02/14/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	231	116	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	206	103	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 124 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/11/2022
 Reported: 02/15/2022
 Project Name: USP FEE #002
 Project Number: 212C - MD - 02659
 Project Location: EDDY CO NM

Sampling Date: 02/11/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: AH - 3 (1'-2') (H220548-08)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2022	ND	1.84	91.8	2.00	7.05	
Toluene*	<0.050	0.050	02/13/2022	ND	1.86	93.0	2.00	6.57	
Ethylbenzene*	<0.050	0.050	02/13/2022	ND	1.81	90.6	2.00	6.06	
Total Xylenes*	<0.150	0.150	02/13/2022	ND	5.67	94.5	6.00	5.02	
Total BTEX	<0.300	0.300	02/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11000	16.0	02/14/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	231	116	200	2.45	
DRO >C10-C28*	19.9	10.0	02/13/2022	ND	206	103	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/11/2022
 Reported: 02/15/2022
 Project Name: USP FEE #002
 Project Number: 212C - MD - 02659
 Project Location: EDDY CO NM

Sampling Date: 02/11/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: AH - 4 (0-1') (H220548-09)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2022	ND	1.84	91.8	2.00	7.05	
Toluene*	<0.050	0.050	02/13/2022	ND	1.86	93.0	2.00	6.57	
Ethylbenzene*	<0.050	0.050	02/13/2022	ND	1.81	90.6	2.00	6.06	
Total Xylenes*	<0.150	0.150	02/13/2022	ND	5.67	94.5	6.00	5.02	
Total BTX	<0.300	0.300	02/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	02/14/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	231	116	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	206	103	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					

Surrogate: 1-Chlorooctane 99.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/11/2022
 Reported: 02/15/2022
 Project Name: USP FEE #002
 Project Number: 212C - MD - 02659
 Project Location: EDDY CO NM

Sampling Date: 02/11/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: AH - 4 (1'-2') (H220548-10)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2022	ND	1.84	91.8	2.00	7.05		
Toluene*	<0.050	0.050	02/13/2022	ND	1.86	93.0	2.00	6.57		
Ethylbenzene*	<0.050	0.050	02/13/2022	ND	1.81	90.6	2.00	6.06		
Total Xylenes*	<0.150	0.150	02/13/2022	ND	5.67	94.5	6.00	5.02		
Total BTEX	<0.300	0.300	02/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	02/14/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	231	116	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	206	103	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/11/2022
 Reported: 02/15/2022
 Project Name: USP FEE #002
 Project Number: 212C - MD - 02659
 Project Location: EDDY CO NM

Sampling Date: 02/11/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: AH - 5 (0-1') (H220548-11)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2022	ND	1.84	91.8	2.00	7.05		
Toluene*	<0.050	0.050	02/13/2022	ND	1.86	93.0	2.00	6.57		
Ethylbenzene*	<0.050	0.050	02/13/2022	ND	1.81	90.6	2.00	6.06		
Total Xylenes*	<0.150	0.150	02/13/2022	ND	5.67	94.5	6.00	5.02		
Total BTX	<0.300	0.300	02/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	02/14/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	231	116	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	206	103	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/11/2022
 Reported: 02/15/2022
 Project Name: USP FEE #002
 Project Number: 212C - MD - 02659
 Project Location: EDDY CO NM

Sampling Date: 02/11/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: AH - 5 (1'-2') (H220548-12)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2022	ND	1.84	91.8	2.00	7.05	
Toluene*	<0.050	0.050	02/13/2022	ND	1.86	93.0	2.00	6.57	
Ethylbenzene*	<0.050	0.050	02/13/2022	ND	1.81	90.6	2.00	6.06	
Total Xylenes*	<0.150	0.150	02/13/2022	ND	5.67	94.5	6.00	5.02	
Total BTX	<0.300	0.300	02/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	02/14/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2022	ND	231	116	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/13/2022	ND	206	103	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	02/13/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager

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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

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

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

 $1\frac{1}{2}$



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2/12

Company Name: Tetra Tech		P.O. #:		ANALYSIS REQUEST	
Project Manager: Sam Abbott		Company: Tetra Tech			
Address: Sam, Abbott & Tetra Tech, Inc		Attn: Sam Abbott			
City:		Address: by email			
State:		City:			
Zip:		State:			
Phone #:		Zip:			
Fax #:		Phone #:			
Project #: 200-MD-02659		Project Owner:			
Project Name: VSP Fee #002		City:			
Project Location: Edgely County, NM		State:			
Sampler Name: Lolita Buxera		Phone #:			
FOR LAB USE ONLY		Fax #:			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	Chlorides	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						
H220548															
11	AT-SLO-1's		61			X				2/11/12		X	X	X	
12	AT-SLO-2's		61			X				2/11/12		X	X	X	

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Relinquished By:	Date: 2/11/12	Received By:	Date: 2/11/12
Lolita Buxera	Time: 1300	Sam Abbott	Time: 1300
Relinquished By:	Date:	Received By:	Date:

Delivered By: (Circle One)	Observed Temp. °C 4.7	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4.2	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	TE	Thermometer ID #113	<input checked="" type="checkbox"/> Rush	Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	Observed Temp. °C
REMARKS: Sam, Abbott & Tetra Tech, Inc							

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



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

February 23, 2022

SAM ABBOTT

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: USP FEE #002

Enclosed are the results of analyses for samples received by the laboratory on 02/22/22 12:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/22/2022	Sampling Date:	02/22/2022
Reported:	02/23/2022	Sampling Type:	Soil
Project Name:	USP FEE #002	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02659	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: BG - 1 (0-0.5') (H220683-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/23/2022	ND	432	108	400	0.00	

Sample ID: BG - 2 (0-0.5') (H220683-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/23/2022	ND	432	108	400	0.00	

Sample ID: BG - 3 (0-0.5') (H220683-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	02/23/2022	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

July 29, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: USP FEE #002

Enclosed are the results of analyses for samples received by the laboratory on 07/27/22 13:43.

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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Project: USP FEE #002
Project Number: 212C - MD - 02747
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
29-Jul-22 08:39

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-1	H223304-01	Water	27-Jul-22 10:30	27-Jul-22 13:43
TW-1	H223304-02	Water	27-Jul-22 11:00	27-Jul-22 13:43

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Analytical Results For:

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

Project: USP FEE #002
Project Number: 212C - MD - 02747
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
29-Jul-22 08:39

SW-1**H223304-01 (Water)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride*	200000		4.00	mg/L	1	2071405	GM	28-Jul-22	4500-Cl-B	
TDS*	425000		5.00	mg/L	1	2072108	AC	28-Jul-22	160.1	

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Analytical Results For:

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

Project: USP FEE #002
Project Number: 212C - MD - 02747
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
29-Jul-22 08:39

TW-1
H223304-02 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride*	144000		4.00	mg/L	1	2071405	GM	28-Jul-22	4500-Cl-B	
TDS*	248000		5.00	mg/L	1	2072108	AC	28-Jul-22	160.1	

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*=Accredited Analyte

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Analytical Results For:

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

Project: USP FEE #002
Project Number: 212C - MD - 02747
Project Manager: CHRISTIAN LLULL
Fax To: (432) 682-3946

Reported:
29-Jul-22 08:39

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 2071405 - General Prep - Wet Chem**Blank (2071405-BLK1)**

Prepared & Analyzed: 14-Jul-22

Chloride	ND	4.00	mg/L
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LCS (2071405-BS1)

Prepared & Analyzed: 14-Jul-22

Chloride	100	4.00	mg/L	100	100	80-120
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LCS Dup (2071405-BSD1)

Prepared & Analyzed: 14-Jul-22

Chloride	104	4.00	mg/L	100	104	80-120	3.92	20
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Batch 2072108 - Filtration**Blank (2072108-BLK1)**

Prepared: 21-Jul-22 Analyzed: 22-Jul-22

TDS	ND	5.00	mg/L
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LCS (2072108-BS1)

Prepared: 21-Jul-22 Analyzed: 22-Jul-22

TDS	815		mg/L	1000	81.5	80-120
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Duplicate (2072108-DUP1)

Source: H223152-01

Prepared: 21-Jul-22 Analyzed: 22-Jul-22

TDS	3600	5.00	mg/L	3620			0.553	20
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Notes and Definitions

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

District I

1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 131203

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 131203
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	NMOCD Approves the proposed Remediation plan with the following conditions of Approval -The variance as requested " ConocoPhillips requests a variance to establish a remediation limit of 10,000 mg/kg for chlorides at this Site." is denied. The NMOCD finds that the background samples do not support this conclusion and therefore denies the variance request. - The excavation as proposed is approved " ConocoPhillips proposes to remove the impacted material as shown in Figure 6. Impacted soils in the area around boring location AH-3 will be excavated using heavy equipment (backhoes, hoe rams, and track hoes) to a maximum depth of 4 foot below the surrounding surface or until a representative sample from the walls and bottom of the excavation is below the RRALs. Any area containing pressurized lines will be hand-dug to a depth of 1 foot or the maximum extent practicable and heavy equipment will come no more than 4 ft from any pressurized lines" - The NMOCD requests that the rest of th	9/2/2022