



April 12, 2023

District Supervisor  
Oil Conservation Division, District 2  
506 W. Texas  
Artesia, New Mexico 88210

**Re: REVISED Closure Request  
ConocoPhillips  
Heritage Concho  
USP Fee #002 Release  
Unit Letter D, Section 16, Township 23 South, Range 29 East  
Eddy County, New Mexico  
Incident ID NJMW1324847819  
2RP-1894**

Dear Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company to evaluate a release that occurred in the vicinity of the USP Fee #002 well and associated facility. The approximate release coordinates are 32.311323°, -103.995527°, located in the Public Land Survey System (PLSS) Unit Letter D, Section 16, Township 23 South, Range 29 East, in Eddy County, New Mexico (Site). The Site location is 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 release occurred due to corrosion on the bottom of a 3-inch tee on the saltwater disposal (SWD) system. Approximately 20 barrels (bbls) of produced water were released with approximately 10 bbls of produced water recovered with a vacuum truck. The spill area was reported as being on the front side of the lined tank battery. The approximate release location and surrounding areas are presented in Figure 3.

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.

## 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).

Tetra Tech

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A licensed well drilling subcontractor was onsite on July 26, 2022, to drill a temporary water well on the well pad approximately 200 feet east of the release extent. 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 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 initial 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 previous site characterization, established depth to groundwater, and in accordance with Table I of 19.15.29.12 NMAC, the previously established RRALs for the Site were as follows:

Constituent	Site RRALs
Chloride	600 mg/kg
TPH	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

Recent correspondence and additional sampling events have necessitated discussion regarding these action levels for this incident. A revised site characterization is provided in subsequent report sections.

## FEBRUARY 2022 WORK PLAN

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 release. Boring locations are shown in Figure 4. Analytical results from the January 2022 assessment activities are summarized in Table 1.

Based on the Site location on a peninsula in the middle of a salt lake, surrounded by salt mining operations, 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) from areas in the surrounding vicinity to gauge background chloride levels. 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 initial background sampling locations are presented in Figure 5. In hindsight, each of these locations selected for background sampling were at a substantially higher elevation than the USP Fee #002 Lease pad area. Additionally, these background sampling locations are likely have also been situated in areas that contained imported fill soils which, given the topographic elevations, were not affected by the salt lake flooding events, described in detail in subsequent report sections.

A Release Characterization and Remediation Work Plan (Work Plan) describing the initial 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. Initial assessment sampling locations are shown in Figure 4. Analytical results from the January 2022 assessment activities are summarized in Table 1.

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The Work Plan was rejected by Bradford Billings of the NMOCD via email on March 4, 2022. A copy of the 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.*

## AUGUST 2022 REVISED WORK PLAN

Per the NMOCD directive presented in the March 4, 2022, email, a temporary water well was installed per an approved NMSLO groundwater permit on July 26, 2022. The well installation details are further described in the "Site Characterization" section of this report. The well was purged and allowed to recharge before a water sample was collected. Following collection of the water 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 water well and surface water sample collection locations are presented in Figure 5.

The analytical results associated with the background surface water and subsurface water samples are summarized in Table 1. The analytical results indicate that natural chloride concentrations range from 144,000 mg/L in subsurface water to 200,000 mg/L in surface water. Natural TDS ranges from 248,000 mg/L in subsurface water to 425,000 mg/L in surface water.

A Revised Release Characterization and Remediation Work Plan (Revised Work Plan) describing the additional assessment activities and results was prepared by Tetra Tech on behalf of ConocoPhillips and submitted to the NMOCD via the online fee portal on August 3, 2022. The Revised Work Plan was approved by Jocelyn Harimon of the NMOCD via email on September 2, 2022 with the following conditions:

*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.*

A copy of the regulatory correspondence is included in Appendix B.

## REMEDIATION ACTIVITIES AND CONFIRMATION SAMPLING

On November 7, 2022, through November 9, 2022, Tetra Tech personnel were onsite to supervise the excavation and remediation activities proposed in the approved Revised Work Plan. Prior to confirmation sampling, on November 3, 2022, the NMOCD district office was notified via email in accordance with Subsection D of 19.15.29.12 NMAC. Documentation of associated regulatory correspondence is included in Appendix B. Per the approved Revised Work Plan, impacted soils were excavated as shown in Figure 6. The remedial footprint was guided based on the laboratory data to safely remove the impacted soils to the maximum extent practicable as per the approved Revised Work Plan. All excavated material was transported offsite for proper disposal.

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Following excavation, confirmation floor and sidewall samples were collected and submitted for laboratory analysis to verify efficacy of remediation activities. Per the conditions of the Revised Work Plan approval, confirmation samples were collected such that each discrete sample (sidewall and floor) was representative of no more than 500 square feet of excavated area. A total of three (3) excavation floor samples and seven (7) sidewall samples were collected during remedial activities. Confirmation sidewall sample locations were categorized with the cardinal direction (N, E, S, W) followed by SW-#. Confirmation floor sample locations were labeled with "FS"-#. Excavated areas and depths and confirmation sample locations are indicated in Figure 6.

Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Cardinal. The samples were analyzed for TPH (GRO+DRO+MRO) by EPA Method 8015 modified, BTEX by EPA Method 8021B, and chlorides by SM4500Cl-B. Analytical laboratory results associated with all final confirmation soil samples (floor and sidewall) were below applicable cleanup levels for TPH and BTEX.

Laboratory analytical results associated with confirmation samples (floor and sidewall) exceeded the previously established Site RRAL of 600 mg/kg limit for chlorides. However, the sidewalls within the excavation areas were either in close proximity to production equipment, or extended to the foot of the containment berm, so it was not feasible to expand the excavation areas outward. The results of the November 2022 confirmation sampling event are summarized in Table 2. Copies of laboratory analytical reports and chain-of-custody documentation are included in Appendix D.

Approximately 288 cubic yards of material were transported to the R360 Halfway Facility in Hobbs, New Mexico. Once remedial excavation areas were extended to the maximum extents practicable, and confirmation sampling activities were completed, the excavated areas were backfilled with clean material to surface grade. Copies of the waste manifests are included in Appendix E. Photographic documentation of the remediation activities is included in Appendix F.

## 2022 DEFERRAL REJECTION

Based on the approved Work Plan and the NMOCD directives, an Interim Closure and Deferral Request describing the approved remedial activities and confirmation sampling results was prepared by Tetra Tech on behalf of ConocoPhillips and submitted to the NMOCD via the online fee portal on December 8, 2022.

The Interim Closure and Deferral Request was rejected by Jocelyn Harimon of the NMOCD via email on December 9, 2022, for the following reasons:

- The OCD wants to clarify that only specific sample points around production equipment such as production tanks, wellheads, and pipelines. The deferral may be granted so long as the contamination is fully delineated and does not cause an imminent risk to human health, the environment, or ground water. Final remediation and reclamation shall take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations.*
- Based on the closure criteria, it is necessary to continue to delineate to 600 mg/kg for chlorides and include sample points in your next report after closure criteria limits have been met.*

The NMOCD was contacted both via email and by phone to discuss the rejection of the interim closure and deferral request. Several phone and email conference calls were held between COP Senior Environmental Engineer Charles Beauvais and NMOCD representatives. A review of the previously collected background data for the site, in relation to the topographic setting of the USP Fee #002 lease pad, revealed that the prior background sampling locations were situated on substantially higher elevations than the incident site.

Heavy rain fell over southeastern New Mexico during 2013 and 2014, especially in the Loving and Malaga areas. Extreme variability in the rainfall created flash flooding which affected the salt lake surrounding the USP Fee #002 lease pad, and flooded significant portions of the peninsula, as evidenced in historical



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imagery. The previously sampled background areas appear to have been topographically higher than the flooded areas. During conference calls, the NMOCD recognized that these flooding events may have contributed to chloride impacts on the areas surrounding the USP Fee #002 lease pad, and the NMOCD designated areas at equivalent topographic elevations that could be sampled in order to confirm impacts from the salt lake flooding in the area.

### ADDITIONAL BACKGROUND SAMPLING

These designated areas adjacent to the USP Fee #002 Release (indicated in Figure 7) were then sampled, per NMOCD instruction, on approximate one-foot intervals with a hand auger on Thursday, March 23, 2023. One additional sample was collected from the upper one-inch of soil. Collected samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Cardinal. The samples were analyzed for chlorides by SM4500Cl-B. Sampling locations are indicated in Figure 7. The results of the background sampling are presented in Table 3. Analytical laboratory results associated with all background soil samples (all intervals) exceeded the previously established Site RRAL of 600 mg/kg limit for chlorides. Photographic documentation of the sample locations is included in Appendix F.

A second subsequent conference call was held on March 30, 2023 between COP Senior Environmental Engineer Charles Beauvais and NMOCD representatives Mike Bratcher, Robert Hamlet, and Jocelyn Harimon. During that call, the collected background results were reviewed and evaluated. The NMOCD confirmed that a background level can be calculated based on this collected background data. In the call the NMOCD requested that the value from the upper one-inch of soil be removed from the calculation.

Robert Hamlet of the NMOCD suggested that an average of the individual samples from the upper four feet (0'-1', 1'-2', 2'-3' and 3'-4') be used to calculate a background concentration for the release site. Based on this directive, a background level of 7,383 mg/kg for chloride is applicable to the remaining lease pad areas of the USP Fee #002. A breakdown of the calculation is provided in Table 4.

Thus, based on the background sampling, the revised RRALs for the Site are as follows:

Constituent	Site RRALs
Chloride	7,383 mg/kg
TPH	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

The collected site analytical results were directly compared to the revised Site RRALs to demonstrate compliance. The remaining data from the assessment sampling (excluding the vicinity of AH-3 which was remediated) is below the applicable cleanup levels for chloride, TPH and BTEX. All final confirmation soil samples (floor and sidewall) associated with the remedial action were below the applicable cleanup levels for chloride, TPH and BTEX. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

### CONCLUSION

The remediation work completed at the site was successful in removing heavily impacted surface soils from the release footprint which exceeded the calculated background value. After an evaluation of the remaining assessment and confirmation sampling data, there are no exceedances of this revised background chloride concentration. Thus, post-remedial action, ConocoPhillips requests closure associated with the 2RP-1894 (NJMW1324847819) release. The completed C-141 forms are enclosed in Appendix A.

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April 12, 2023

ConocoPhillips

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

Sincerely,

**Tetra Tech, Inc.**

A handwritten signature in blue ink, appearing to read 'CLL', is positioned above the printed name of the sender.

Christian M. Llull, P.G.  
Program Manager

cc:

Mr. Charles Beauvais, PBU – ConocoPhillips

Mr. Moises H. Cantu-Garcia, PBU – ConocoPhillips

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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 – Remediation Extent and Confirmation Sampling Locations

### Tables:

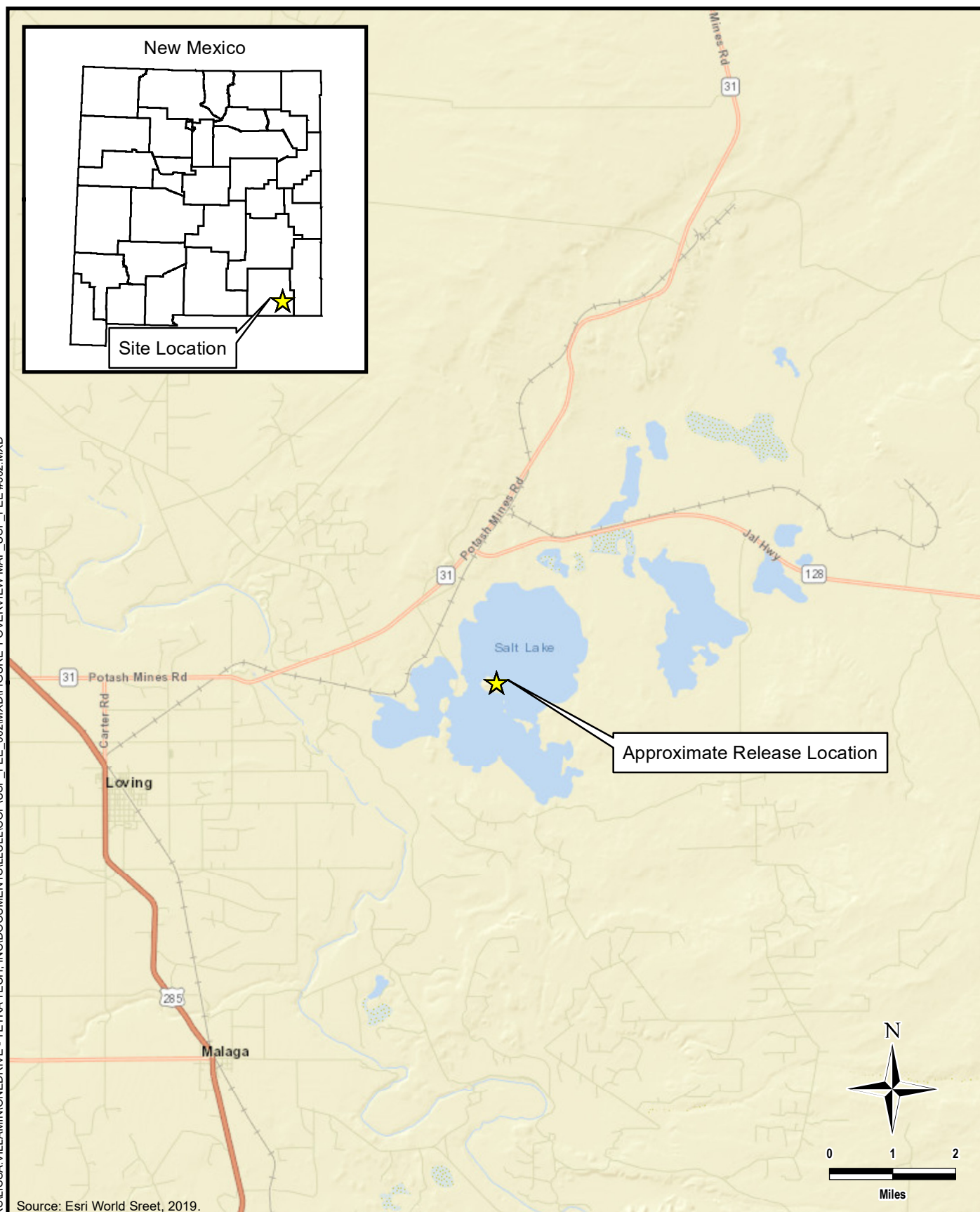
- Table 1 – Summary of Analytical Results – Soil Assessment
- Table 2 – Summary of Analytical Results – Soil Remediation

### Appendices:

- Appendix A – C-141 Form
- Appendix B – Regulatory Correspondence & Groundwater Permit
- Appendix C – Site Characterization
- Appendix D – Analytical Data
- Appendix E – Waste Manifests
- Appendix F – Photographic Documentation

## **FIGURES**

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Source: Esri World Sreet, 2019.



**TETRA TECH**

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**CONOCOPHILLIPS**

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

# USP FEE #002 RELEASE OVERVIEW MAP

PROJECT NO.:	212C-MD-02747
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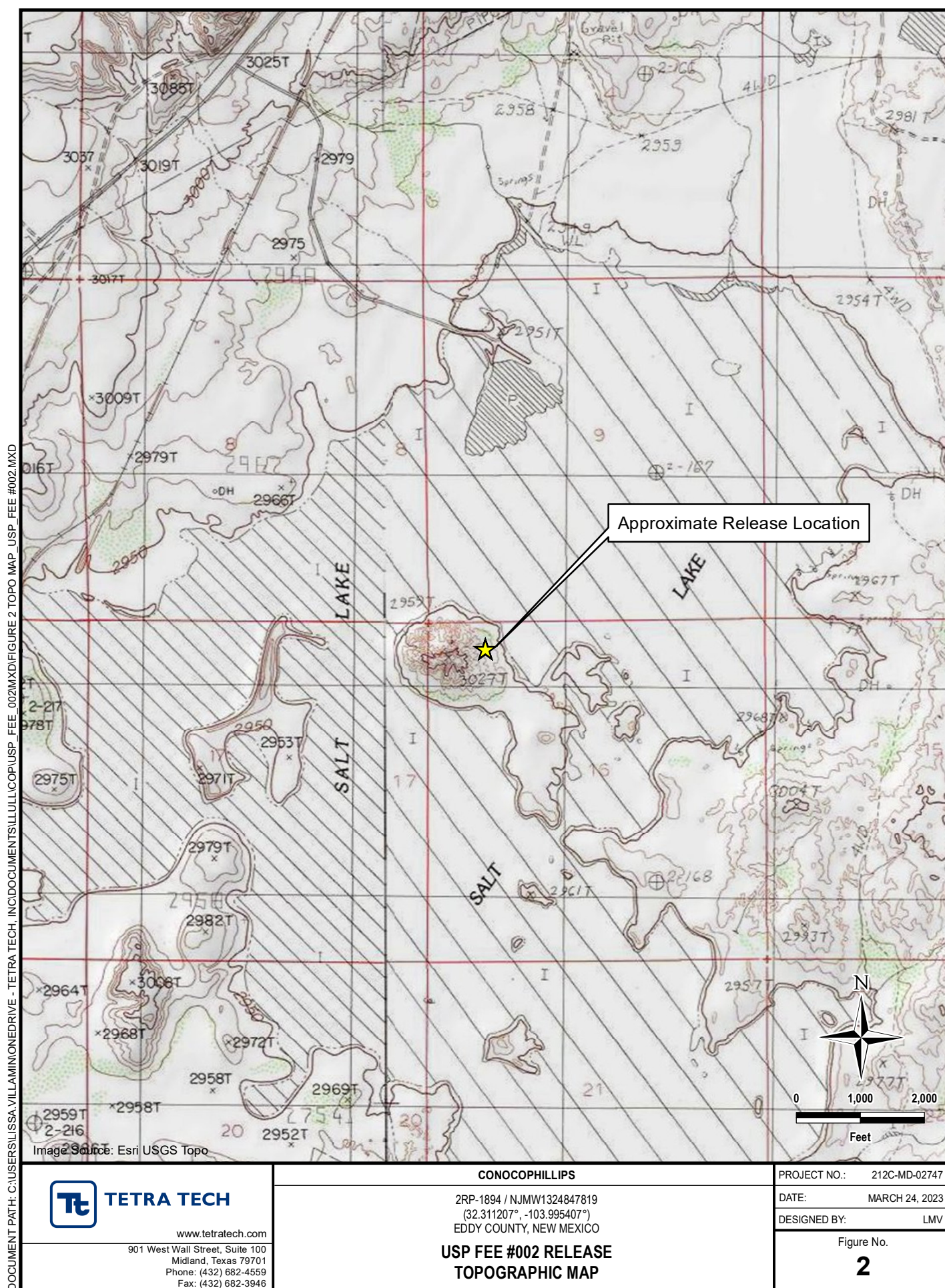
DATE: MARCH 24, 2023

DESIGNED BY: LMV

Figure No.

1







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Phone: (432) 682-4559  
Fax: (432) 682-3946**CONOCOPHILLIPS**2RP-1894 / NJMW1324847819  
(32.311207°, -103.995407°)  
EDDY COUNTY, NEW MEXICO**USP FEE #002 RELEASE  
SITE LOCATION MAP**

PROJECT NO.: 212C-MD-02747

DATE: MARCH 24, 2023

DESIGNED BY: LMV

Figure No.

**3**



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## Legend



Approximate Release Point



Hand Auger Location



Lined Containment Area

Source: ESRI Bing Map Imagery, 2022.



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### CONOCOPHILLIPS

2RP-1894 / NJMW1324847819  
(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.

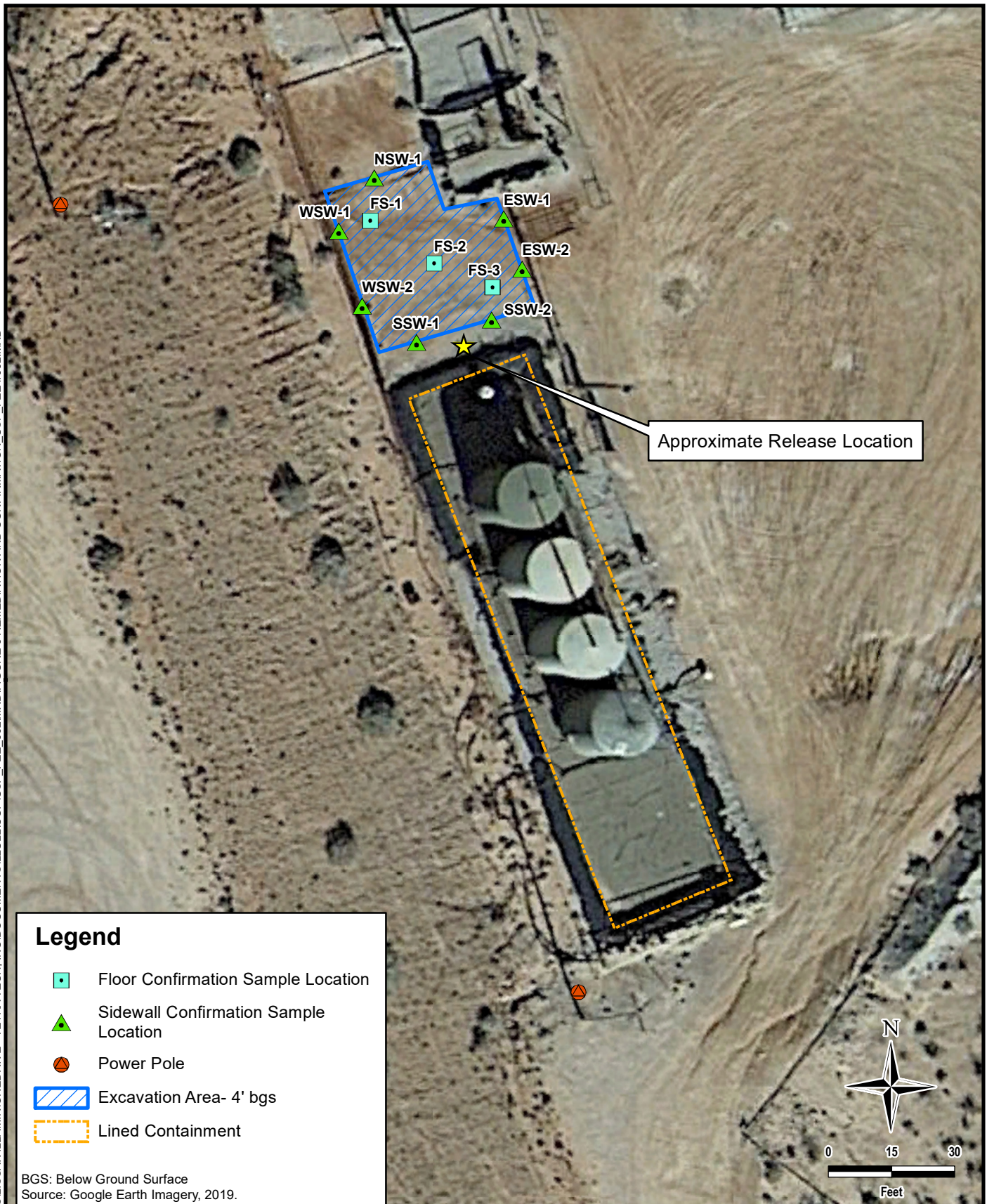
**4**

DOCUMENT PATH: C:\USERS\ISABEL.MARMOLEJO\DESKTOP\GIS\CONOCO PHILLIPS\212C-MD-02659 - USP FEE #002 RELEASE\FIGURE 5 BACKGROUND SAMPLE LOCATIONS MAP - USP FEE #002.MXD





DOCUMENT PATH: C:\USERS\ISSA.VILLAMINON\DRIVE - TETRA TECH\INC\DOCUMENTS\ILLUSTRATIONS\USP\_FEE\_002\MXD\FIGURE 6 REMEDIATION AND CONFIRMATION\_USP\_FEE\_002.MXD

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**CONOCOPHILLIPS**

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

**USP FEE #002 RELEASE  
REMEDATION EXTENT AND CONFIRMATION SAMPLING LOCATIONS**

PROJECT NO.: 212C-MD-02747

DATE: NOVEMBER 10, 2022

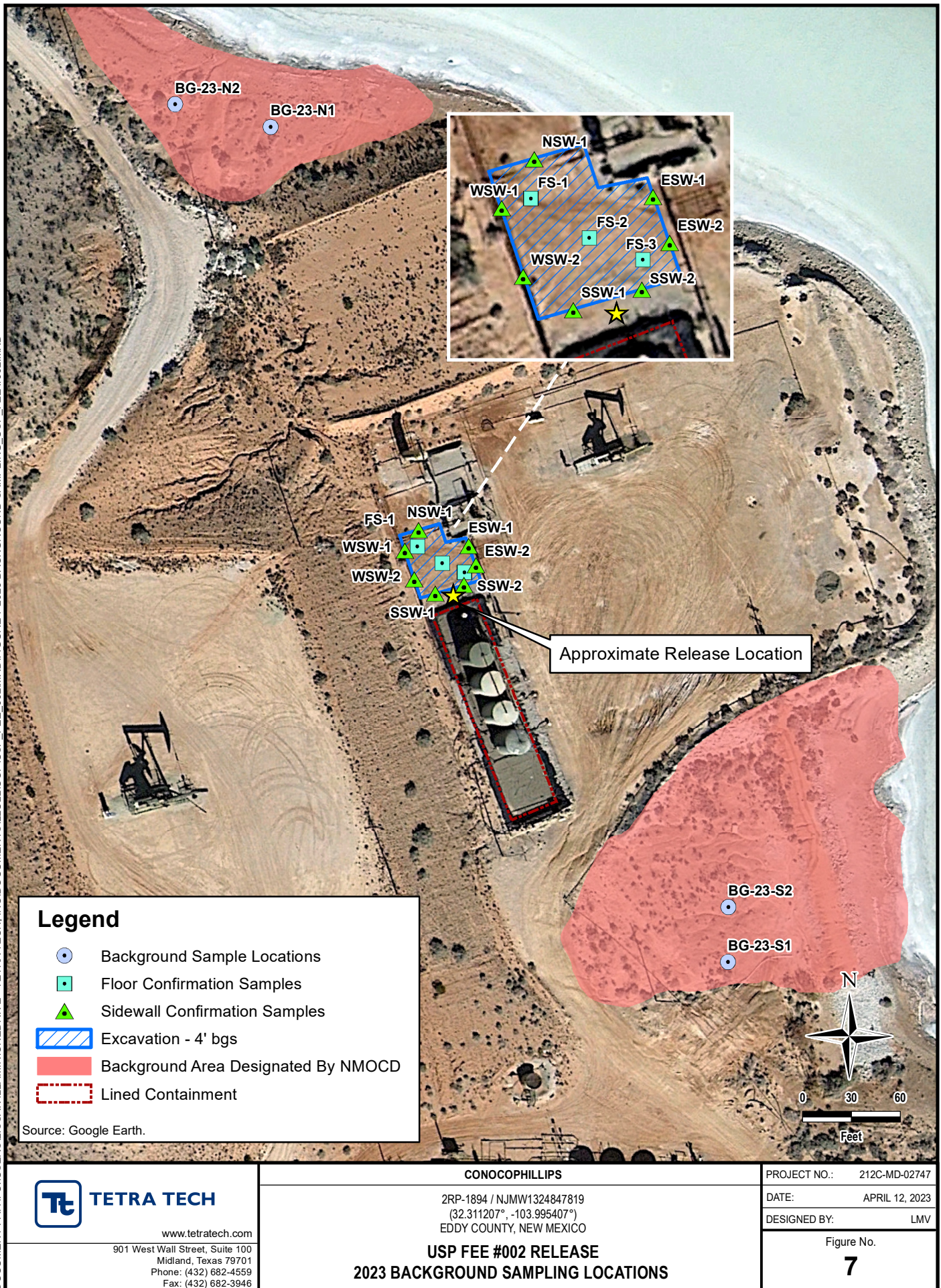
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Figure No.

**6**



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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 <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>							
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
					C <sub>6</sub> - C <sub>10</sub>	> C <sub>10</sub> - C <sub>28</sub>	> C <sub>28</sub> - C <sub>36</sub>	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg		Q
		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 revised Remediation RRALs (7,383 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  
SOIL REMEDIATION - NJMW1324847819  
HERITAGE CONCHO  
USP FEE #002 BATTERY RELEASE  
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>							
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
																	C <sub>6</sub> - C <sub>10</sub>		> C <sub>10</sub> - C <sub>28</sub>		> C <sub>28</sub> - C <sub>36</sub>			
		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		
FS-1	11/7/2022	4		-	3,600		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-2	11/7/2022	4		-	3,560		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-3	11/7/2022	4		-	3,160		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
NSW-1	11/7/2022	-		-	2,960		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
WSW-1	11/7/2022	-		-	4,400		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
WSW-2	11/7/2022	-		-	5,000		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
ESW-1	11/7/2022	-		-	4,000		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
ESW-2	11/7/2022	-		-	4,200		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-1	11/7/2022	-		-	2,080		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SSW-2	11/7/2022	-		-	2,200		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	

NOTES:

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

***Bold and italicized values indicate exceedance of revised Remediation RRLs (7,383 mg/kg Chloride).***

Gold highlight represents soil horizons that were removed during deepening of excavation floors.

Green highlight represents soil intervals that were removed during horizontal expansion of excavation sidewalls.

QUALIFIERS:

TABLE 3  
SUMMARY OF ANALYTICAL RESULTS  
SOIL ASSESSMENT - BACKGROUND AREAS  
nJMW1324847819  
CONOCOPHILLIPS  
USP FEE #002  
EDDY COUNTY, NM

19.15.29.12 NMAC Closure Criteria for Soils Impacted by a Release ( $\leq 50$ ft):				Chlorides <sup>1</sup>	
				< 600 mg/kg	
Sample ID	Sample Date	Sample Depth Interval	Field Screening Results	Chloride	
			Chlorides		
		ft. bgs	ppm	mg/kg	Q
BG-23-N1	3/23/2023	0-1"	OL	<b>40,800</b>	
		0-1	8,430	<b>11,200</b>	
		1-2	7,440	<b>6,530</b>	
		2-3	6,720	<b>5,600</b>	
		3-4	6,230	<b>6,260</b>	
BG-23-N2	3/23/2023	0-1"	OL	<b>41,200</b>	
		0-1	9,840	<b>16,000</b>	
		1-2	7,680	<b>8,860</b>	
		2-3	8,260	<b>8,860</b>	
		3-4	7,420	<b>8,800</b>	
BG-23-S1	3/23/2023	0-1"	OL	<b>36,800</b>	
		0-1	4,620	<b>3,840</b>	
		1-2	3,360	<b>2,400</b>	
		2-3	4,140	<b>4,120</b>	
		3-4	4,820	<b>2,200</b>	
BG-23-S2	3/23/2023	0-1"	OL	<b>18,400</b>	
		0-1	10,500	<b>12,800</b>	
		1-2	8,890	<b>9,730</b>	
		2-3	5,740	<b>4,660</b>	
		3-4	5,760	<b>6,260</b>	

**NOTES:**

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

1 Method SM4500Cl-B

OL Over Limit



TABLE 4  
AVERAGE BACKGROUND CALCULATION  
CHLORIDE  
USP FEE #002 VICINITY  
EDDY COUNTY, NM

19.15.29.12 NMAC Closure Criteria for Soils Impacted by a Release (≤ 50 ft):				Chlorides <sup>1</sup>	
				< 600 mg/kg	
Sample ID	Sample Date	Sample Depth Interval	Field Screening Results	Chloride	
			Chlorides		
		ft. bgs	ppm	mg/kg	Q
BG - 23 - N 1	3/23/2023	0-1"		40,800	
		0-1		11,200	
		1-2		6,530	
		2-3		5,600	
		3-4		6,260	
BG - 23 - N 2	3/23/2023	0-1"		41,200	
		0-1		16,000	
		1-2		8,860	
		2-3		8,860	
		3-4		8,800	
BG - 23 - S 1	3/23/2023	0-1"		36,800	
		0-1		3,840	
		1-2		2,400	
		2-3		4,120	
		3-4		2,200	
BG - 23 - S 2	3/23/2023	0-1"		18,400	
		0-1		12,800	
		1-2		9,730	
		2-3		4,660	
		3-4		6,260	

NOTES:

- ft. Feet
- bgs Below ground surface
- mg/kg Milligrams per kilogram
- 1 Method SM4500CI-B

Analytical Results utilized for the background calculation

INTERVAL	SUM	AVERAGE
0-1	43840	10960
1-2	27520	6880
2-3	23240	5810
3-4	23520	5880

Total SUM	Total Average
29530	7383

## **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

RECEIVED

SEP 03 2013

Form C-141

Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

NMOCD ARTESIA

## Release Notification and Corrective Action

*JMW 1324847819*

Name of Company		COG OPERATING LLC 229137	Contact	Robert McNeill
Address		600 West Illinois Avenue, Midland, TX 79701	Telephone No.	432-230-0077
Facility Name		USP Fee #2	Facility Type	Well Pad
Surface Owner		State	Mineral Owner	Lease No. (API#) 30-015-34438

OPERATOR

☒ Initial Report☐ Final Report

## 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				
By Whom?	If YES, To Whom?				
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 NMOCD for approval prior to any significant remediation work.

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

## OIL CONSERVATION DIVISION

Signature:

Printed Name:

Robert Grubbs Jr.

Title:

Senior Environmental Coordinator

E-mail Address:

rgrubbs@concho.com

Date: 09-03-2013

Phone: 432-661-6601

Attach Additional Sheets If Necessary

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:

October 4, 2013

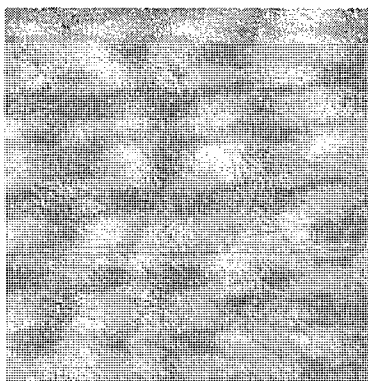
Attached ☐

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](mailto: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	nJMW1324847819
District RP	2RP-1894
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?	28 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input checked="" 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 checked="" 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 checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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



State of New Mexico  
Oil Conservation Division

Incident ID	nJMW1324847819
District RP	2RP-1894
Facility ID	
Application ID	

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

Printed Name: Charles R. Beauvais II Title: Senior Environmental Engineer

Signature: Charles R. Beauvais II Date: 8/3/2022

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

**OCD Only**

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

Incident ID	nJMW1324847819
District RP	2RP-1894
Facility ID	
Application ID	

## Remediation Plan

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

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

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

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

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

Printed Name: Charles R. Beauvais II Title: Senior Environmental Engineer  
Signature: Charles R. Beauvais II Date: 8/3/2022  
email: charles.r.beauvais@conocophillips.com Telephone: 575-988-2043

**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.

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: Charles R. Beauvais II Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: Jocelyn Harimon Date: 04/18/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 04/18/2023

Printed Name: Jocelyn Harimon Title: Environmental Specialist

## **APPENDIX B**

# **Regulatory Correspondence & Groundwater Permit**

**From:** [Llull, 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:** Llull, Christian <Christian.Llull@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 Llull for COG OPERATING LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) 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 sols 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](http://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:	<input type="checkbox"/> Pollution Control And/Or Recovery	<input type="checkbox"/> Ground Source Heat Pump
<input type="checkbox"/> Exploratory Well (Pump test)	<input type="checkbox"/> Construction Site/Public Works Dewatering	<input type="checkbox"/> Other(Describe):
<input checked="" type="checkbox"/> Monitoring Well	<input type="checkbox"/> Mine Dewatering	

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

<input checked="" type="checkbox"/> 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.

<b>Location Required:</b> 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 <sup>th</sup> 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 14 235 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

Trn No.:

78599

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:

<b>Exploratory:</b> <input type="checkbox"/> Include a description of any proposed pump test, if applicable.	<b>Pollution Control and/or Recovery:</b> <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. <input type="checkbox"/> The source of water to be injected. <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.	<b>Construction De-Watering:</b> <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.	<b>Mine De-Watering:</b> <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. <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.
<b>Monitoring:</b> <input checked="" type="checkbox"/> Include the reason for the monitoring well, and, <input checked="" type="checkbox"/> The duration of the planned monitoring.		<b>Ground Source Heat Pump:</b> <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.	

#### 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.

[Signature]  
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:

Signature

K. Parekh

Print

Kashyap Parekh

Title:

Print

Water Resource Manager I

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

page: 3

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

OFFICIAL RECEIPT NUMBER: 6 - 48624 DATE: 6/13/22 FILE NO.: 78D  
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**

- Other 49

## Comments

- G. Comments:**

- |     |   |          |
|-----|---|----------|
| 7.  | Application to Appropriate Irrigation, Municipal, or Commercial Use   | \$ 25.00 |
| 8.  | Declaration of Water Right  | \$ 1.00  |
| 9.  | Application for Supplemental Non 72-12-1 Well   | \$ 25.00 |
| 10. | Application to Change Place or Purpose of Use Non 72-12-1 Well  | \$ 25.00 |
| 11. | Application to Change Point of Diversion and Place and/or Purpose of Use from Surface Water to Ground Water | \$ 50.00 |
| 12. | Application to Change Point of Diversion and Place and/or Purpose of Use from Ground Water to Ground Water  | \$ 50.00 |
| 13. | Application to Change Point of Diversion of Non 72-12-1 Well  | \$ 25.00 |
| 14. | Application to Repair or Deepen Non 72-12-1 Well  | \$ 5.00  |
| 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.**



**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)  
**To:** [Lull, Christian](#)  
**Subject:** The Oil Conservation Division (OCD) has rejected the application, Application ID: 84902  
**Date:** Friday, March 04, 2022 5:14:31 PM

**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](mailto:bradford.billings@state.nm.us)

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

**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)  
**To:** [Lull, Christian](#)  
**Subject:** The Oil Conservation Division (OCD) has approved the application, Application ID: 131203  
**Date:** Friday, September 02, 2022 5:29:22 PM

**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 approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nJMW1324847819, with the following conditions:

- **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**

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

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

Thank you,  
Jocelyn Harimon  
Environmental Specialist  
575-748-1283  
[Jocelyn.Harimon@state.nm.us](mailto:Jocelyn.Harimon@state.nm.us)

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

**Chama, Sam**

---

**From:** Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>  
**Sent:** Thursday, November 3, 2022 4:22 PM  
**To:** Enviro, OCD, EMNRD; Bratcher, Michael, EMNRD; Chama, Sam  
**Subject:** RE: [EXTERNAL] Incident ID: NJMW1324847819 - Confirmation Sampling

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

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

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



---

**From:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Sent:** Thursday, November 3, 2022 9:49 AM  
**To:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>  
**Subject:** FW: [EXTERNAL] Incident ID: NJMW1324847819 - Confirmation Sampling

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



---

**From:** Chama, Sam <[SAM.CHAMA@tetrattech.com](mailto:SAM.CHAMA@tetrattech.com)>  
**Sent:** Thursday, November 3, 2022 9:35 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Cc:** Llull, Christian <[Christian.Llull@tetrattech.com](mailto:Christian.Llull@tetrattech.com)>; Poole, Nicholas <[NICHOLAS.POOLE@tetrattech.com](mailto:NICHOLAS.POOLE@tetrattech.com)>; Abbott, Sam

<[Sam.Abbott@tetrattech.com](mailto:Sam.Abbott@tetrattech.com)>

**Subject:** [EXTERNAL] Incident ID: NJMW1324847819 - Confirmation Sampling

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

Incident ID (n#) **NJMW1324847819** (USP Fee #002)

To whom it may concern,

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

Remediation activities are beginning at the site Monday November 7, 2022.

Thus, on behalf of ConocoPhillips for the above referenced incident, Tetra Tech is duly providing this communication which serves as notification that final confirmation sampling will be conducted at this site Monday, November 7 through Wednesday, November 9, 2022

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

**Sam Chama, G.I.T.** | Staff Geologist

Mobile +1 (509) 768-2191 | Business +1 (512) 338-1667 | Fax +1 (512) 338-1331 | [sam.chama@tetrattech.com](mailto:sam.chama@tetrattech.com)

**Tetra Tech** | *Leading with Science®* | OGA

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

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



**TETRA TECH**

**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)  
**To:** [Lull, Christian](#)  
**Subject:** The Oil Conservation Division (OCD) has rejected the application, Application ID: 165638  
**Date:** Friday, December 09, 2022 1:03:09 PM

**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:

- **The OCD wants to clarify that only specific sample points around production equipment such as production tanks, wellheads, and pipelines. The deferral may be granted so long as the contamination is fully delineated and does not cause an imminent risk to human health, the environment, or ground water. Final remediation and reclamation shall take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations.**
- **Based on the closure criteria, it is necessary to continue to delineate to 600 mg/kg for chlorides and include sample points in your next report after closure criteria limits have been met.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 165638.

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,  
Jocelyn Harimon  
Environmental Specialist  
575-748-1283  
[Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)

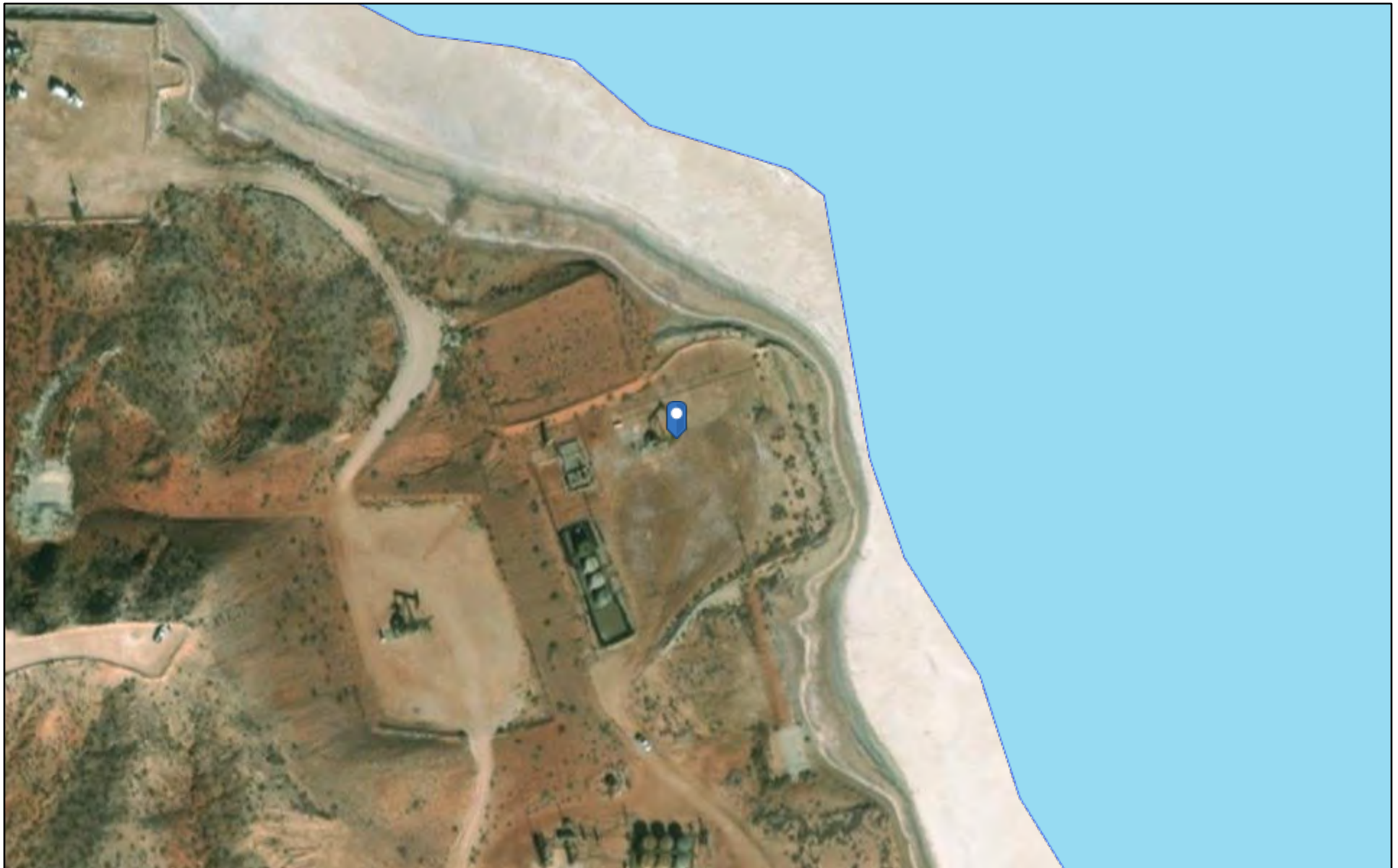
**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

## **APPENDIX C**

### **Site Characterization**

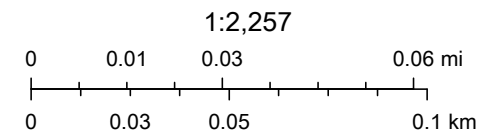


## OCD Water Bodies



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

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



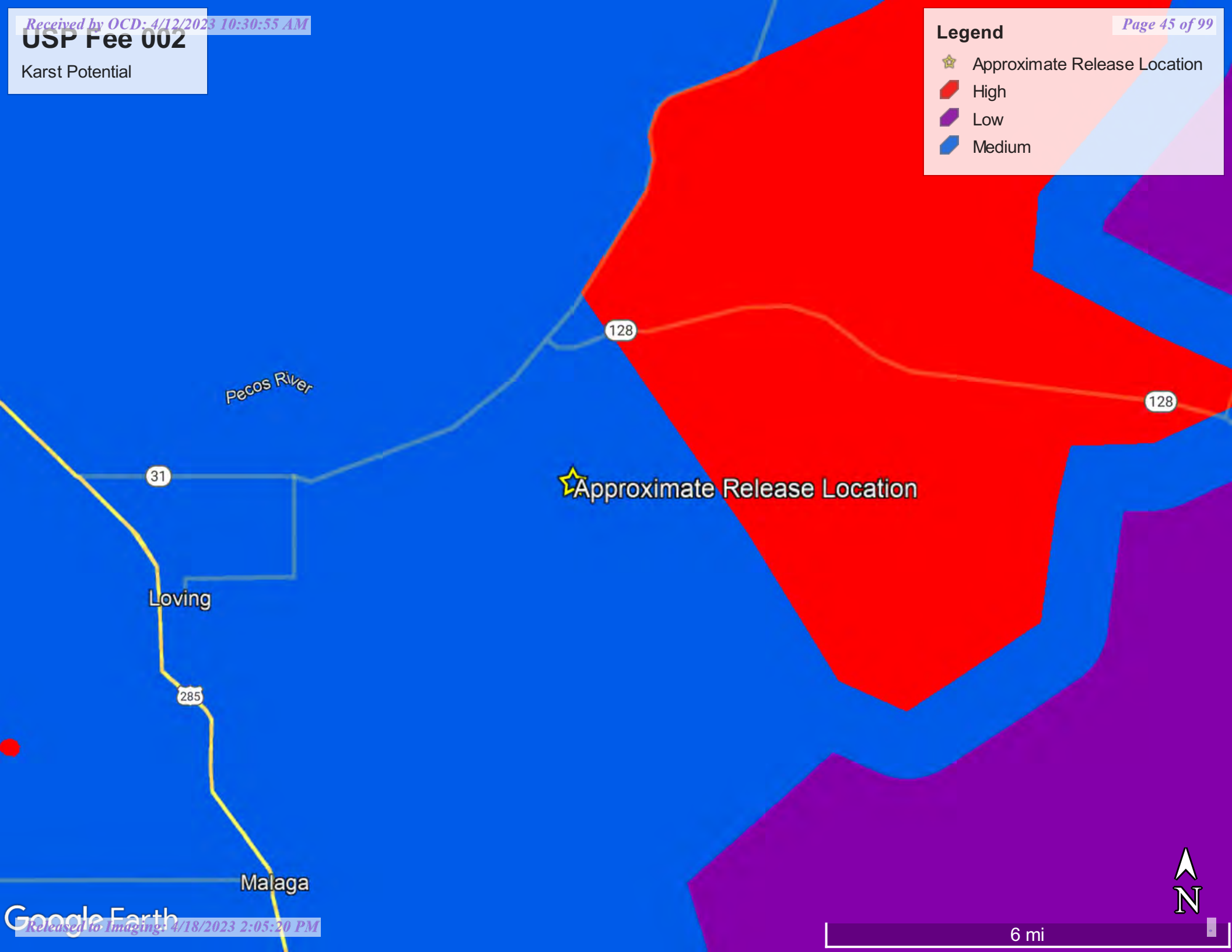
Maxar, Microsoft, OCD

USP Fee 002

Karst Potential

Legend

- ☆ Approximate Release Location
- High
- Low
- Medium





# 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	basin	County	Q			Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
	Sub-Code			64	16	4									
<a href="#">C 03058 EXPLORE</a>	CUB	ED	4	1	1	16	23S	29E	594605	3575206*		210	150		
<a href="#">C 02705</a>	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		<b>TETRA TECH</b>		<b>LOG OF BORING TW-1</b>			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: 8/26/2022		Date Finished: 8/26/2022	

WATER LEVEL OBSERVATIONS															
While Drilling $\nabla$ 10 ft    24 Hours After Completion of Drilling $\nabla$ 5 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
												SPT	LL		
0.5												<b>-CALICHE-</b> CALICHE: Tan, dense, dry <b>-SC-</b> CLAYEY SAND: Reddish brown, medium dense, dry, fine-grained, with moderate amounts of gravel	0.5		
5												-- Becoming moist at 5 ft BGS			
10												<b>-CL-</b> SANDY CLAY: Dark brown, stiff, medium to high plasticity, moist to wet	10		
15															
20															
24												<b>-GYPSUM-</b> GYPSUM: White, hard, massive	24		
25															
26															

Bottom of borehole at 26.0 feet.

<b>Sampler Types:</b> <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>	<b>Operation Types:</b> <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>	<b>Notes:</b> 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.
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Logger: Joe Tyler	Drilling Equipment: Hollow Stem Auger	Driller: Envirotech Drilling Services, LLC - WD 1757
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## **APPENDIX D**

### **Analytical Data**



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

November 08, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: USP FEE #002 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 11/07/22 16:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	11/07/2022	Sampling Date:	11/07/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	USP FEE #002 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02747	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 1 (4') (H225251-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2022	ND	1.90	94.9	2.00	2.91	
Toluene*	<0.050	0.050	11/08/2022	ND	2.10	105	2.00	2.75	
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.95	97.3	2.00	3.33	
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.87	97.8	6.00	3.07	
Total BTX	<0.300	0.300	11/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	3600	16.0	11/08/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	207	104	200	1.61	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	184	92.2	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 96.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/07/2022	Sampling Date:	11/07/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	USP FEE #002 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02747	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 2 (4') (H225251-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2022	ND	1.90	94.9	2.00	2.91		
Toluene*	<0.050	0.050	11/08/2022	ND	2.10	105	2.00	2.75		
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.95	97.3	2.00	3.33		
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.87	97.8	6.00	3.07		
Total BTEx	<0.300	0.300	11/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	3560	16.0	11/08/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	207	104	200	1.61	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	184	92.2	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 110 % 45.3-161

Surrogate: 1-Chlorooctadecane 124 % 46.3-178

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

Received:	11/07/2022	Sampling Date:	11/07/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	USP FEE #002 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02747	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: FS - 3 (4') (H225251-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2022	ND	1.90	94.9	2.00	2.91		
Toluene*	<0.050	0.050	11/08/2022	ND	2.10	105	2.00	2.75		
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.95	97.3	2.00	3.33		
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.87	97.8	6.00	3.07		
Total BTEX	<0.300	0.300	11/08/2022	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	3160	16.0	11/08/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	207	104	200	1.61	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	184	92.2	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 110 % 45.3-161

Surrogate: 1-Chlorooctadecane 124 % 46.3-178

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

Received:	11/07/2022	Sampling Date:	11/07/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	USP FEE #002 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02747	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: NSW - 1 (H225251-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2022	ND	1.90	94.9	2.00	2.91		
Toluene*	<0.050	0.050	11/08/2022	ND	2.10	105	2.00	2.75		
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.95	97.3	2.00	3.33		
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.87	97.8	6.00	3.07		
Total BTEX	<0.300	0.300	11/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	2960	16.0	11/08/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	207	104	200	1.61	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	184	92.2	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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

Received:	11/07/2022	Sampling Date:	11/07/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	USP FEE #002 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02747	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: WSW - 1 (H225251-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2022	ND	1.90	94.9	2.00	2.91		
Toluene*	<0.050	0.050	11/08/2022	ND	2.10	105	2.00	2.75		
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.95	97.3	2.00	3.33		
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.87	97.8	6.00	3.07		
Total BTEx	<0.300	0.300	11/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	4400	16.0	11/08/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	207	104	200	1.61	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	184	92.2	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 110 % 45.3-161

Surrogate: 1-Chlorooctadecane 125 % 46.3-178

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

Received:	11/07/2022	Sampling Date:	11/07/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	USP FEE #002 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02747	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: WSW - 2 (H225251-06)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2022	ND	1.90	94.9	2.00	2.91		
Toluene*	<0.050	0.050	11/08/2022	ND	2.10	105	2.00	2.75		
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.95	97.3	2.00	3.33		
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.87	97.8	6.00	3.07		
Total BTX	<0.300	0.300	11/08/2022	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	5000	16.0	11/08/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	207	104	200	1.61	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	184	92.2	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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

Received:	11/07/2022	Sampling Date:	11/07/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	USP FEE #002 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02747	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: SSW - 1 (H225251-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2022	ND	1.90	94.9	2.00	2.91		
Toluene*	<0.050	0.050	11/08/2022	ND	2.10	105	2.00	2.75		
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.95	97.3	2.00	3.33		
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.87	97.8	6.00	3.07		
Total BTEx	<0.300	0.300	11/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	2080	16.0	11/08/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	207	104	200	1.61	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	184	92.2	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 119 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/07/2022	Sampling Date:	11/07/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	USP FEE #002 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02747	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: SSW - 2 (H225251-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2022	ND	1.90	94.9	2.00	2.91		
Toluene*	<0.050	0.050	11/08/2022	ND	2.10	105	2.00	2.75		
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.95	97.3	2.00	3.33		
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.87	97.8	6.00	3.07		
Total BTEX	<0.300	0.300	11/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	2200	16.0	11/08/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	207	104	200	1.61	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	184	92.2	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 117 % 45.3-161

Surrogate: 1-Chlorooctadecane 133 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	11/07/2022	Sampling Date:	11/07/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	USP FEE #002 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02747	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: ESW - 1 (H225251-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2022	ND	1.90	94.9	2.00	2.91		
Toluene*	<0.050	0.050	11/08/2022	ND	2.10	105	2.00	2.75		
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.95	97.3	2.00	3.33		
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.87	97.8	6.00	3.07		
Total BTEx	<0.300	0.300	11/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	4000	16.0	11/08/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	207	104	200	1.61	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	184	92.2	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 122 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/07/2022	Sampling Date:	11/07/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	USP FEE #002 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02747	Sample Received By:	Tamara Oldaker
Project Location:	COP - EDDY CO NM		

**Sample ID: ESW - 2 (H225251-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2022	ND	1.90	94.9	2.00	2.91		
Toluene*	<0.050	0.050	11/08/2022	ND	2.10	105	2.00	2.75		
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.95	97.3	2.00	3.33		
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.87	97.8	6.00	3.07		
Total BTEX	<0.300	0.300	11/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	4200	16.0	11/08/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	207	104	200	1.61	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	184	92.2	200	0.338	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 111 % 45.3-161

Surrogate: 1-Chlorooctadecane 125 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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

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

---

Celey D. Keene, Lab Director/Quality Manager

## Analysis Request of Custody Record



Tetra Tech, Inc.

 901 West Vail St. Suite 100  
 Midland, Texas 79701  
 Tel (432) 682-4559  
 Fax (432) 682-3946

Page 1 of 1

## ANALYSIS REQUEST

(Circle or Specify Method No.)

Client Name: COP		Site Manager: Christian Lull	
Project Name: USP Fee #002 Release		Contact Info: <a href="mailto:Christian.Lull@tetratech.com">Christian.Lull@tetratech.com</a>	
Project Location: (county, state) Eddy County, NM		Project #: 212C-MD-02747	
Invoice to: Christian Lull		Sampler Signature: Gabe Huerta	
Receiving Laboratory: Cardinal Laboratories		Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	LAB USE ONLY	REMARKS:
		DATE	TIME	WATER	SOIL	HCL	HNO <sub>3</sub>	ICE					
									YEAR				
1	FS-1 (4)	11/7/2022	11:30	X	X			X				X	
2	FS-2 (4)	11/7/2022	11:45	X	X			X				X	
3	FS-3 (4)	11/7/2022	12:45	X	X			X				X	
4	NSW-1	11/7/2022	13:00	X	X			X				X	
5	WSW-1	11/7/2022	13:15	X	X			X				X	
6	WSW-2	11/7/2022	13:30	X	X			X				X	
7	SSW-1	11/7/2022	13:45	X	X			X				X	
8	SSW-2	11/7/2022	14:00	X	X			X				X	
9	ESW-1	11/7/2022	14:15	X	X			X				X	
10	ESW-2	11/7/2022	14:30	X	X			X				X	

BTEX 8021B TPH TX1005 (Ext to C35) TPH 8015M ( GRO - DRO - ORO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride 4500 Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance Asbestos Hold
---

Relinquished by: Gabe Date: 11-7-22 Time: 1645 Received by: <i>[Signature]</i> Date: 11-7-22 Time: 1645	Relinquished by: <i>[Signature]</i> Date: 11-7-22 Time: 1645 Received by: <i>[Signature]</i> Date: 11-7-22 Time: 1645
--	--

Relinquished by: <i>[Signature]</i> Date: 11-7-22 Time: 1645 Received by: <i>[Signature]</i> Date: 11-7-22 Time: 1645	Relinquished by: <i>[Signature]</i> Date: 11-7-22 Time: 1645 Received by: <i>[Signature]</i> Date: 11-7-22 Time: 1645
--	--

Sample Temperature 43°C C-0.6°C 37°C #113	LAB USE ONLY REMARKS: <input checked="" type="checkbox"/> RUSH: Same Day (24 hr) 48 hr 72 hr <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report
--	---

ORIGINAL COPY





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March 24, 2023

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: USP FEE #002 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 03/23/23 14:25.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/23/2023	Sampling Date:	03/23/2023
Reported:	03/24/2023	Sampling Type:	Soil
Project Name:	USP FEE #002 RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02747	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO NM		

**Sample ID: BG - 23 - N 1 (0-1') (H231336-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	40800	16.0	03/24/2023	ND	416	104	400	0.00	

**Sample ID: BG - 23 - N 1 (0-1') (H231336-02)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11200	16.0	03/24/2023	ND	416	104	400	0.00	

**Sample ID: BG - 23 - N 1 (1-2') (H231336-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6530	16.0	03/24/2023	ND	416	104	400	0.00	

**Sample ID: BG - 23 - N 1 (2-3') (H231336-04)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	03/24/2023	ND	416	104	400	0.00	

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**Analytical Results For:**

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

Received:	03/23/2023	Sampling Date:	03/23/2023
Reported:	03/24/2023	Sampling Type:	Soil
Project Name:	USP FEE #002 RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02747	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO NM		

**Sample ID: BG - 23 - N 1 (3-4') (H231336-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6260	16.0	03/24/2023	ND	416	104	400	0.00		

**Sample ID: BG - 23 - N 2 (0-1") (H231336-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	41200	16.0	03/24/2023	ND	416	104	400	0.00		

**Sample ID: BG - 23 - N 2 (0-1') (H231336-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16000	16.0	03/24/2023	ND	416	104	400	0.00		

**Sample ID: BG - 23 - N 2 (1-2') (H231336-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8860	16.0	03/24/2023	ND	448	112	400	3.64		

**Sample ID: BG - 23 - N 2 (2-3') (H231336-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8860	16.0	03/24/2023	ND	448	112	400	3.64		

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/23/2023	Sampling Date:	03/23/2023
Reported:	03/24/2023	Sampling Type:	Soil
Project Name:	USP FEE #002 RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02747	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO NM		

**Sample ID: BG - 23 - N 2 (3-4') (H231336-10)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8800	16.0	03/24/2023	ND	448	112	400	3.64		

**Sample ID: BG - 23 - S 1 (0-1") (H231336-11)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	36800	16.0	03/24/2023	ND	448	112	400	3.64		

**Sample ID: BG - 23 - S 1 (0-1') (H231336-12)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3840	16.0	03/24/2023	ND	448	112	400	3.64		

**Sample ID: BG - 23 - S 1 (1-2') (H231336-13)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	03/24/2023	ND	448	112	400	3.64		

**Sample ID: BG - 23 - S 1 (2-3') (H231336-14)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4120	16.0	03/24/2023	ND	448	112	400	3.64		

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/23/2023	Sampling Date:	03/23/2023
Reported:	03/24/2023	Sampling Type:	Soil
Project Name:	USP FEE #002 RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02747	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO NM		

**Sample ID: BG - 23 - S 1 (3-4') (H231336-15)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	03/24/2023	ND	448	112	400	3.64		

**Sample ID: BG - 23 - S 2 (0-1") (H231336-16)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18400	16.0	03/24/2023	ND	448	112	400	3.64	

**Sample ID: BG - 23 - S 2 (0-1') (H231336-17)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12800	16.0	03/24/2023	ND	448	112	400	3.64		

**Sample ID: BG - 23 - S 2 (1-2') (H231336-18)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9730	16.0	03/24/2023	ND	448	112	400	3.64		

**Sample ID: BG - 23 - S 2 (2-3') (H231336-19)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4660	16.0	03/24/2023	ND	448	112	400	3.64	

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	03/23/2023	Sampling Date:	03/23/2023
Reported:	03/24/2023	Sampling Type:	Soil
Project Name:	USP FEE #002 RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02747	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO NM		

**Sample ID: BG - 23 - S 2 (3-4') (H231336-20)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6260	16.0	03/24/2023	ND	448	112	400	3.64		

Cardinal Laboratories

\*=Accredited Analyte

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

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

---

### Notes and Definitions

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

---

Cardinal Laboratories

\*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 1 of 2

Company Name: <u>Conce Phillips</u>		P.O. #:		BILL TO				ANALYSIS REQUEST			
Project Manager: <u>Christian Lull</u>		Company: <u>Tetra Tech</u>									
Address:		Attn: <u>Christian Lull</u>		Address:							
City:		State:		Zip:							
Phone #:		Fax #:		City:		State:		Zip:			
Project #: <u>2126-MB-02747</u>		Project Owner:		City:		State:		Zip:			
Project Name: <u>USP Fee #002 Line Release</u>		Project Location: <u>Eddy Co, NM</u>		Phone #:		Fax #:					
Sampler Name: <u>Andres Garcia</u>		FOR LAB USE ONLY		PRESERV.		SAMPLING					
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER	
Matrix		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:	
ICE / COOL		OTHER :		DATE		TIME		TPH		BTEX	
Chlorides		Hold									
1		BG-23-N1 (0-1')		G		1		X			
2		BG-23-N1 (0-1')									
3		BG-23-N1 (1-2')									
4		BG-23-N1 (2-3')									
5		BG-23-N1 (3-4')									
6		BG-23-N2 (0-1')									
7		BG-23-N2 (0-1')									
8		BG-23-N2 (1-2')									
9		BG-23-N2 (2-3')									
10		BG-23-N2 (3-4')									

PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>Andres Garcia</u>	Date: <u>3/31/23</u>	Received By: <u>Shodique</u>	Date: <u>4/5</u>
Relinquished By:	Date:	Received By:	Date:
Delivered By: (Circle One) <u>29.76/C-O-C</u>	Sample Condition	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other: <u>29.1 #113</u>	Cool <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Phone Results: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: Fax Results: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #: Email Results to: <u>Christian.Lull@TetraTech.com</u> <u>24 Rush TAT</u>			

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326





Page 2 of 2

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

## **APPENDIX E**

### **Waste Manifests**





Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: CHARLES EEAUVAIS  
AFE #:  
PO #:  
Manifest #: N/A  
Manif. Date: 11/7/2022  
Hauler: MCNABB PARTNERS  
Driver: JOSH  
Truck #: M31  
Card #  
Job Ref #

Ticket #: 700-1368515  
Bid #: O6UJ9A000JEC  
Date: 11/7/2022  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 34438  
Well Name: USP FEE  
Well #: 2  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

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

**Generator Certification Statement of Waste Status**

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

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

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



Permian Basin

Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: CHARLES BEAUVAIS  
 AFE #:  
 PO #:  
 Manifest #: NA  
 Manif. Date: 11/7/2022  
 Hauler: MCNABB PARTNERS  
 Driver: RODRIGUEZ  
 Truck #: 36  
 Card #  
 Job Ref #

Ticket #: 700-1368528  
 Bid #: O6UJ9A000JEC  
 Date: 11/7/2022  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 34438  
 Well Name: USP FEE  
 Well #: 2  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County: EDDY (NM)

Facility: CRI

## Product / Service

## Quantity Units

Contaminated Soil (RCRA Exempt)

16.00 yards

## Generator Certification Statement of Waste Status

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

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

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





Permian Basin

Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: CHARLES BEAUVAIS  
 AFE #:  
 PO #:  
 Manifest #: 612616  
 Manif. Date: 11/7/2022  
 Hauler: MCNABB PARTNERS LLC  
 Driver: URIEL  
 Truck #: 75  
 Card #  
 Job Ref #

Ticket #: 700-1368523  
 Bid #: O6UJ9A000JEC  
 Date: 11/7/2022  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 34438  
 Well Name: USP FEE  
 Well #: 2  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

**Generator Certification Statement of Waste Status**

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

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

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



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: CHARLES BEAUVAIS  
AFE #:  
PO #:  
Manifest #: NA  
Manif. Date: 11/8/2022  
Hauler: MCNABB PARTNERS  
Driver: JOE  
Truck #: 002  
Card #  
Job Ref #

Ticket #: 700-1368925  
Bid #: O6UJ9A000JEC  
Date: 11/8/2022  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 34438  
Well Name: USP FEE  
Well #: 2  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

8.00 yards

**Generator Certification Statement of Waste Status**

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

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

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





Permian Basin

Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: CHARLES EAUVAIS  
 AFE #:  
 PO #:  
 Manifest #: NA  
 Manif. Date: 11/8/2022  
 Hauler: MCNABB PARTNERS  
 Driver: JOEL  
 Truck #: M02  
 Card #  
 Job Ref #

Ticket #: 700-1368996  
 Bid #: O6UJ9A000JEC  
 Date: 11/8/2022  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 34438  
 Well Name: USP FEE  
 Well #: 2  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

8.00 yards

**Generator Certification Statement of Waste Status**

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

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Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

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

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





Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: CHARLES BEAUVAIS  
AFE #:  
PO #:  
Manifest #: N/A  
Manif. Date: 11/8/2022  
Hauler: MCNABB PARTNERS  
Driver: JOSH  
Truck #: M31  
Card #  
Job Ref #

Ticket #: 700-1368920  
Bid #: O6UJ9A000JEC  
Date: 11/8/2022  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 34438  
Well Name: USP FEE  
Well #: 2  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Permian Basin

Facility: CRI

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

**Generator Certification Statement of Waste Status**

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

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☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):  
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Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

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

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



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: CHARLES BEAUVAIS  
AFE #:  
PO #:  
Manifest #: NA  
Manif. Date: 11/8/2022  
Hauler: MCNABB PARTNERS  
Driver: JOSH  
Truck #: 31  
Card #  
Job Ref #

Ticket #: 700-1368831  
Bid #: O6UJ9A000JEC  
Date: 11/8/2022  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 34438  
Well Name: USP FEE  
Well #: 2  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

**Product / Service****Quantity Units**

Contaminated Soil (RCRA Exempt)

16.00 yards

**Generator Certification Statement of Waste Status**

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

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

**Driver/ Agent Signature****R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

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

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



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: CHARLES EEAUVAIS  
AFE #:  
PO #:  
Manifest #: N/A  
Manif. Date: 11/8/2022  
Hauler: MCNABB PARTNERS  
Driver: JOSH  
Truck #: M31  
Card #  
Job Ref #

Ticket #: 700-1368738  
Bid #: O6UJ9A000JEC  
Date: 11/8/2022  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 34438  
Well Name: USP FEE  
Well #: 2  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

**Product / Service****Quantity Units**

Contaminated Soil (RCRA Exempt)

16.00 yards

**Generator Certification Statement of Waste Status**

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

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

**Driver/ Agent Signature****R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

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

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





Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: CHARLES EAUVAIS  
AFE #:  
PO #:  
Manifest #: NA  
Manif. Date: 11/8/2022  
Hauler: MCNABB PARTNERS  
Driver: CODY  
Truck #: 36  
Card #  
Job Ref #

Ticket #: 700-1368994  
Bid #: O6UJ9A000JEC  
Date: 11/8/2022  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 34438  
Well Name: USP FEE  
Well #: 2  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

16.00 yards

**Generator Certification Statement of Waste Status**

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

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

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



Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: CHARLES BEAUVAIS  
AFE #:  
PO #:  
Manifest #: N/A  
Manif. Date: 11/8/2022  
Hauler: MCNABB PARTNERS  
Driver: HUMER  
Truck #: M36  
Card #  
Job Ref #

Ticket #: 700-1368932  
Bid #: O6UJ9A000JEC  
Date: 11/8/2022  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 34438  
Well Name: USP FEE  
Well #: 2  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Permian Basin

Facility: CRI

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

**Generator Certification Statement of Waste Status**

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

**Driver/ Agent Signature****R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

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

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





Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: CHARLES EEAUVAIS  
 AFE #:  
 PO #:  
 Manifest #: N/A  
 Manif. Date: 11/8/2022  
 Hauler: MCNABB PARTNERS  
 Driver: HUMER  
 Truck #: M36  
 Card #  
 Job Ref #

Ticket #: 700-1368832  
 Bid #: O6UJ9A000JEC  
 Date: 11/8/2022  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 34438  
 Well Name: USP FEE  
 Well #: 2  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County: EDDY (NM)

Permian Basin

Facility: CRI

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

**Generator Certification Statement of Waste Status**

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

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

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



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: CHARLES BEAUVAIS  
AFE #:  
PO #:  
Manifest #: NA  
Manif. Date: 11/8/2022  
Hauler: MCNABB PARTNERS  
Driver: RODRIQUEZ  
Truck #: 36  
Card #  
Job Ref #

Ticket #: 700-1368741  
Bid #: O6UJ9A000JEC  
Date: 11/8/2022  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 34438  
Well Name: USP FEE  
Well #: 2  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

**Product / Service****Quantity Units**

Contaminated Soil (RCRA Exempt)

16.00 yards

**Generator Certification Statement of Waste Status**

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

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

**Driver/ Agent Signature****R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

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

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



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: CHARLES BEAUVAIS  
AFE #:  
PO #:  
Manifest #: N/A  
Manif. Date: 11/9/2022  
Hauler: MCNABB PARTNERS  
Driver: JESUS  
Truck #: M32  
Card #  
Job Ref #

Ticket #: 700-1369185  
Bid #: O6UJ9A000JEC  
Date: 11/9/2022  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 34438  
Well Name: USP FEE  
Well #: 2  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

16.00 yards

**Generator Certification Statement of Waste Status**

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

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

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





Permian Basin

Customer: CONOCOPHILLIPS  
 Customer #: CRI2190  
 Ordered by: CHARLES BEAUVAIS  
 AFE #:  
 PO #:  
 Manifest #: NA  
 Manif. Date: 11/9/2022  
 Hauler: MCNABB PARTNERS  
 Driver: JESUS  
 Truck #: M32  
 Card #  
 Job Ref #

Ticket #: 700-1369300  
 Bid #: O6UJ9A000JEC  
 Date: 11/9/2022  
 Generator: CONOCOPHILLIPS  
 Generator #:  
 Well Ser. #: 34438  
 Well Name: USP FEE  
 Well #: 2  
 Field:  
 Field #:  
 Rig: NON-DRILLING  
 County: EDDY (NM)

Facility: CRI

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

**Generator Certification Statement of Waste Status**

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

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

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



Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: CHARLES BEAUVIAS  
AFE #:  
PO #:  
Manifest #: NA  
Manif. Date: 11/9/2022  
Hauler: MCNABB PARTNERS  
Driver: JESUS  
Truck #: M32  
Card #  
Job Ref #

Ticket #: 700-1369394  
Bid #: O6UJ9A000JEC  
Date: 11/9/2022  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 34438  
Well Name: USP FEE  
Well #: 2  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

16.00 yards

**Generator Certification Statement of Waste Status**

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

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

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

Date: \_\_\_\_\_  
A handwritten signature in black ink, appearing to be "JESUS", is written over the date line.





Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: CHARLES BEAUVAIS  
AFE #:  
PO #:  
Manifest #: N/A  
Manif. Date: 11/9/2022  
Hauler: MCNABB PARTNERS  
Driver: ALBARO  
Truck #: M34  
Card #  
Job Ref #

Ticket #: 700-1369463  
Bid #: O6UJ9A000JEC  
Date: 11/9/2022  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 34438  
Well Name: USP FEE  
Well #: 2  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

**Product / Service****Quantity Units**

Contaminated Soil (RCRA Exempt)

12.00 yards

**Generator Certification Statement of Waste Status**

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

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

**Driver/ Agent Signature****R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

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

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



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: CHARLES BEAUVAIS  
AFE #:  
PO #:  
Manifest #: N/A  
Manif. Date: 11/9/2022  
Hauler: MCNABB PARTNERS  
Driver: HUMER  
Truck #: M36  
Card #  
Job Ref #

Ticket #: 700-1369299  
Bid #: O6UJ9A000JEC  
Date: 11/9/2022  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 34438  
Well Name: USP FEE  
Well #: 2  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

16.00 yards

**Generator Certification Statement of Waste Status**

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

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

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

**THIS IS NOT AN INVOICE!**

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

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



Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: CHARLES BEAUVAIS  
AFE #:  
PO #:  
Manifest #: NA  
Manif. Date: 11/9/2022  
Hauler: MCNABB PARTNERS  
Driver: GUMER  
Truck #: M36  
Card #  
Job Ref #

Ticket #: 700-1369184  
Bid #: O6UJ9A000JEC  
Date: 11/9/2022  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 34438  
Well Name: USP FEE  
Well #: 2  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

**Product / Service****Quantity Units**

Contaminated Soil (RCRA Exempt)

16.00 yards

**Generator Certification Statement of Waste Status**

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

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

**Driver/ Agent Signature****R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

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

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





Permian Basin

Customer: CONOCOPHILLIPS  
Customer #: CRI2190  
Ordered by: CHARLES BEAUVAIS  
AFE #:  
PO #:  
Manifest #: NA  
Manif. Date: 11/9/2022  
Hauler: MCNABB PARTNERS  
Driver: MIKE  
Truck #: M76  
Card #  
Job Ref #

Ticket #: 700-1369390  
Bid #: O6UJ9A000JEC  
Date: 11/9/2022  
Generator: CONOCOPHILLIPS  
Generator #:  
Well Ser. #: 34438  
Well Name: USP FEE  
Well #: 2  
Field:  
Field #:  
Rig: NON-DRILLING  
County: EDDY (NM)

Facility: CRI

**Product / Service****Quantity Units**

Contaminated Soil (RCRA Exempt)

18.00 yards

**Generator Certification Statement of Waste Status**

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

**Driver/ Agent Signature****R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

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

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

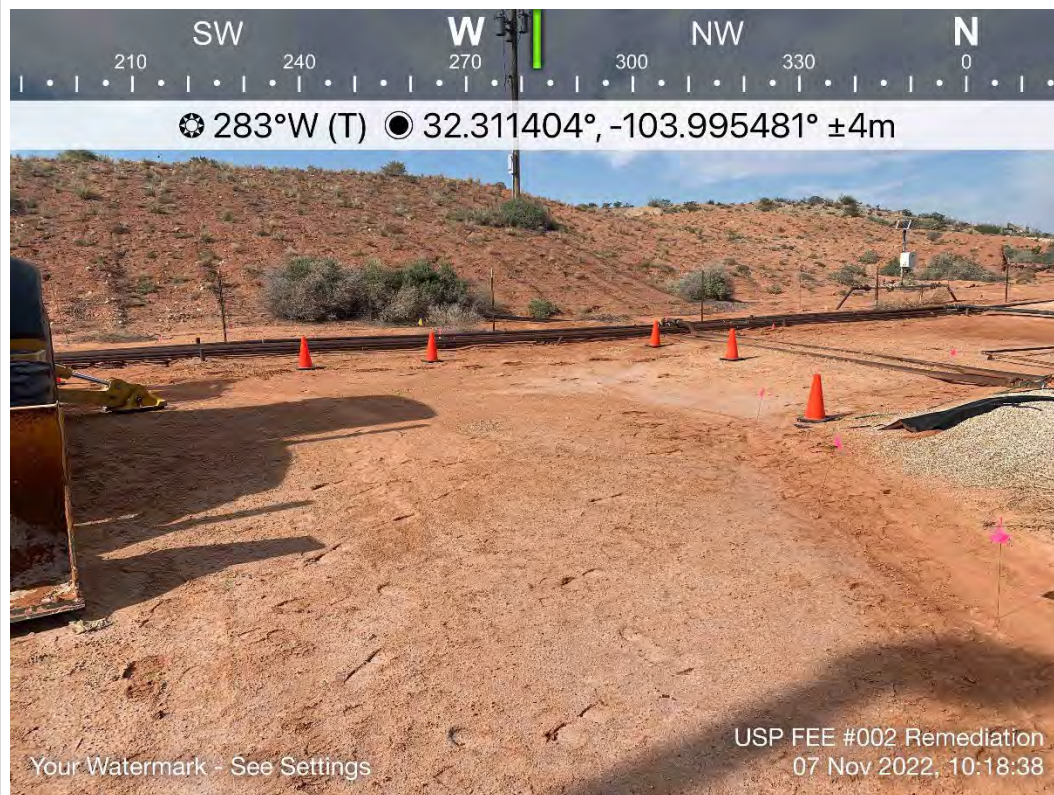
## **APPENDIX F**

### **Photographic Documentation**





TETRA TECH, INC. PROJECT NO. 212C-MD-02747	DESCRIPTION	View of site signage.	1
	SITE NAME	ConocoPhillips USP Fee #002 Release Remediation	2/11/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02747	DESCRIPTION	View west, buffer zone marked with orange cones and pink pin-flags.	2
	SITE NAME	ConocoPhillips USP Fee #002 Release Remediation	11/7/2022





TETRA TECH, INC. PROJECT NO. 212C-MD-02747	DESCRIPTION	View north, buffer zone marked with orange cones and stakes with pink ribbon.	3
	SITE NAME	ConocoPhillips USP Fee #002 Release Remediation	11/7/2022

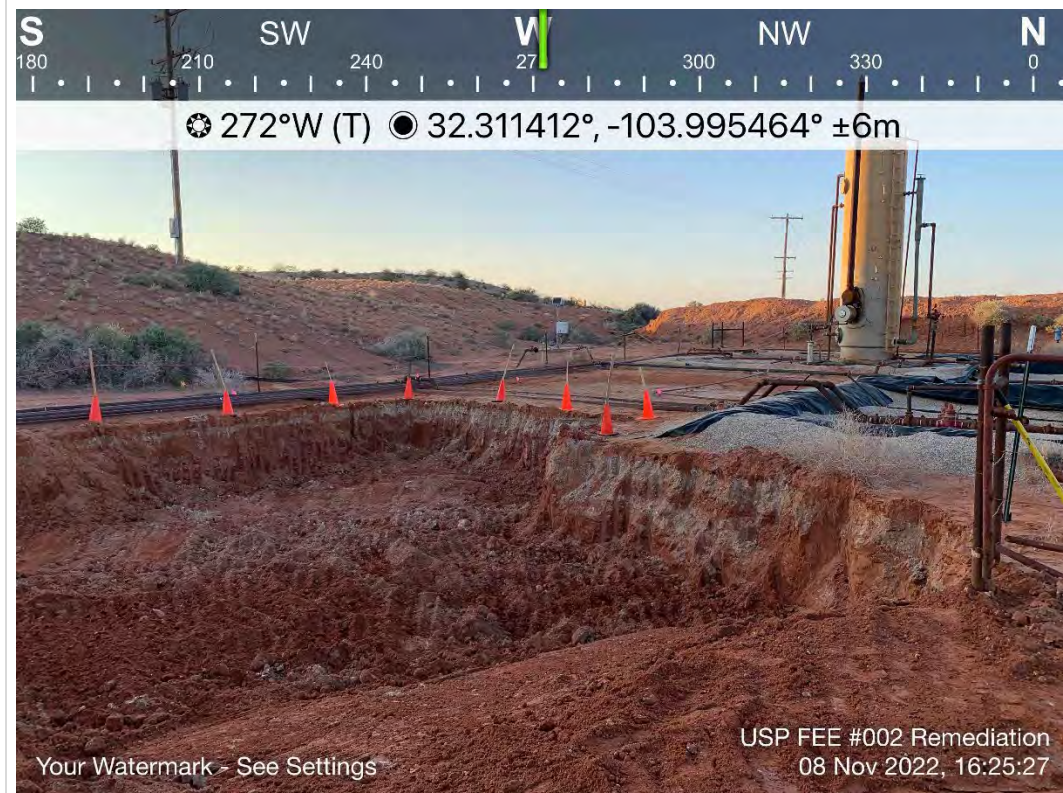


TETRA TECH, INC. PROJECT NO. 212C-MD-02747	DESCRIPTION	View northeast, backhoe moving with spotter for safety purposes.	4
	SITE NAME	ConocoPhillips USP Fee #002 Release Remediation	11/7/2022





TETRA TECH, INC. PROJECT NO. 212C-MD-02747	DESCRIPTION	View north-northeast, excavation in progress while avoiding buffer zone adjacent to pipelines.	5
	SITE NAME	ConocoPhillips USP Fee #002 Release Remediation	11/7/2022

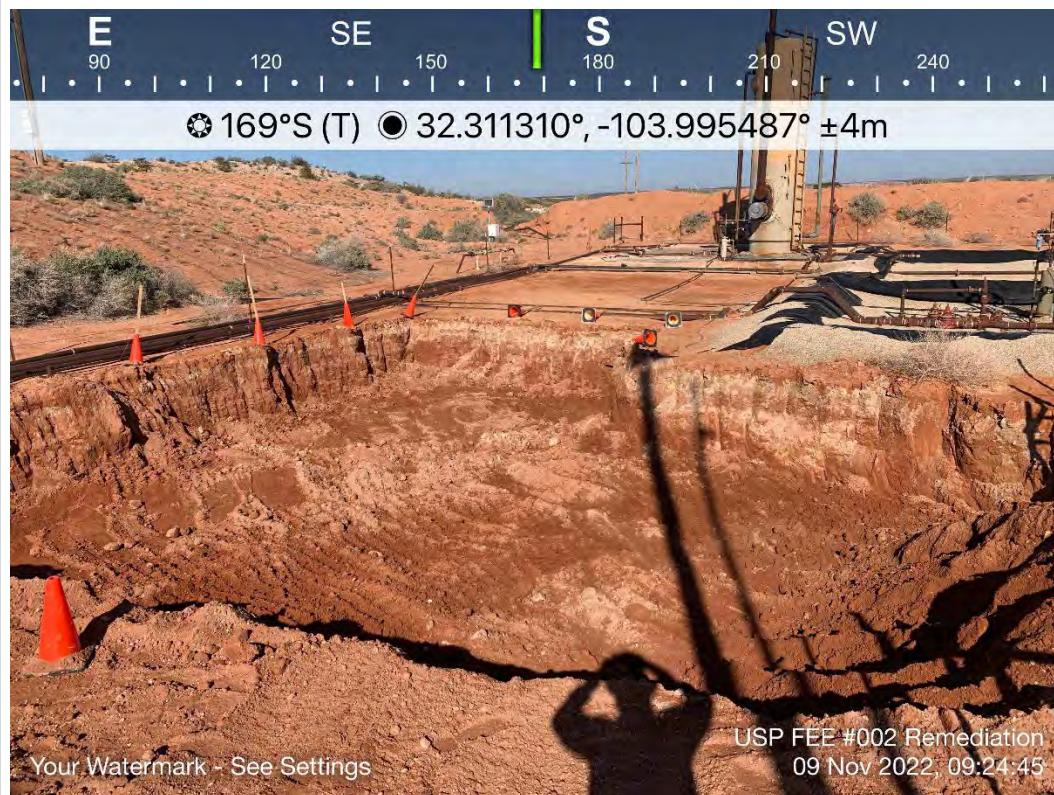


TETRA TECH, INC. PROJECT NO. 212C-MD-02747	DESCRIPTION	View west, excavation prior to backfilling the following day.	6
	SITE NAME	ConocoPhillips USP Fee #002 Release Remediation	11/8/2022





TETRA TECH, INC. PROJECT NO. 212C-MD-02747	DESCRIPTION	View south, excavation prior to backfilling the following day.	7
	SITE NAME	ConocoPhillips USP Fee #002 Release Remediation	11/8/2022

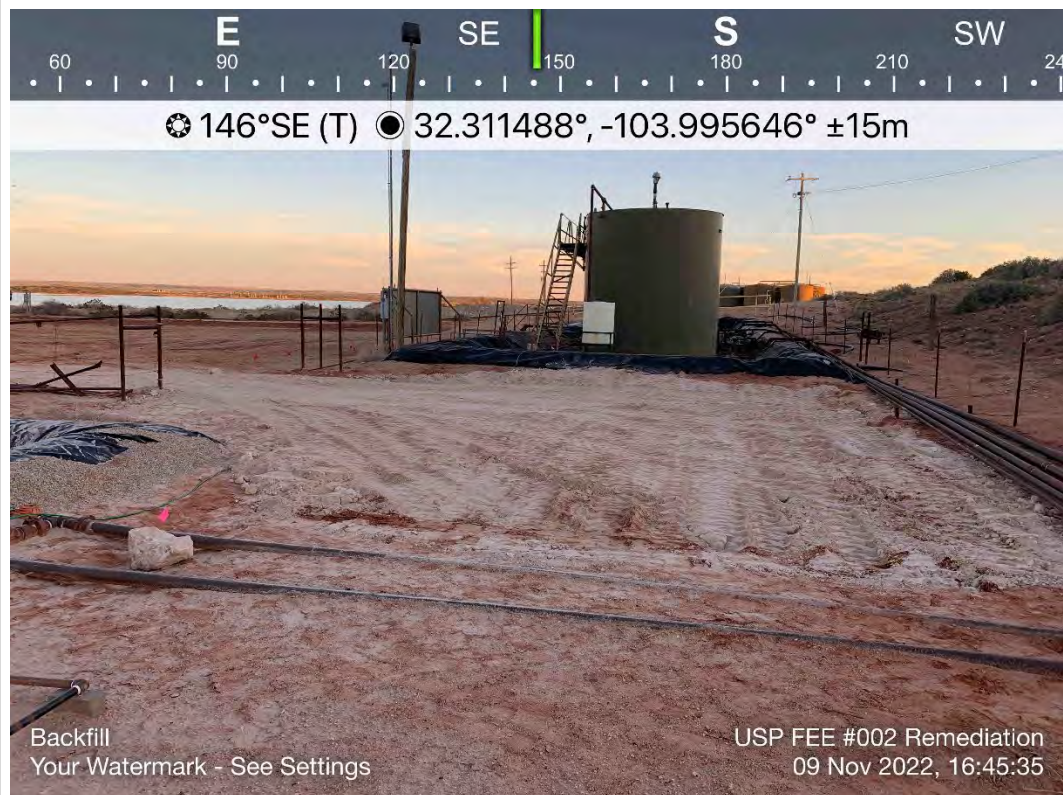


TETRA TECH, INC. PROJECT NO. 212C-MD-02747	DESCRIPTION	View south, completed excavation, backfilling with uncontaminated soil beginning.	8
	SITE NAME	ConocoPhillips USP Fee #002 Release Remediation	11/9/2022



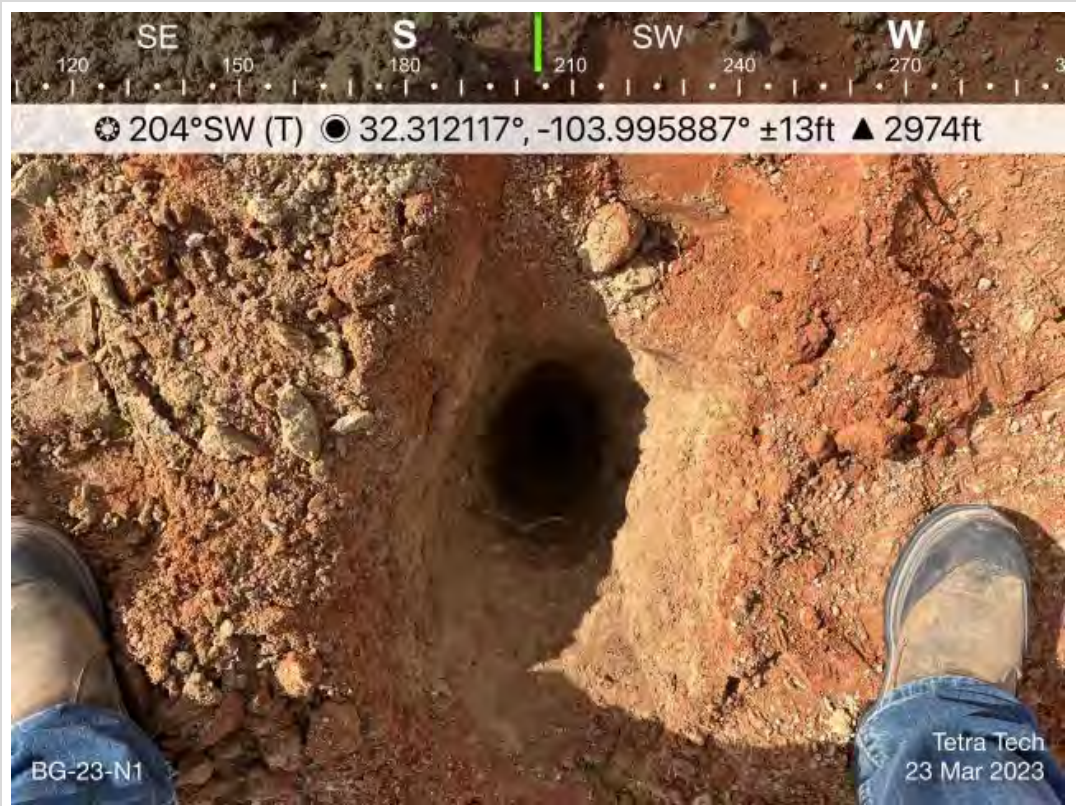


TETRA TECH, INC. PROJECT NO. 212C-MD-02747	DESCRIPTION	View northwest, completed backfill with caliche.	9
	SITE NAME	ConocoPhillips USP Fee #002 Release Remdiation	11/9/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02747	DESCRIPTION	View southeast, completed backfill with caliche.	10
	SITE NAME	ConocoPhillips USP Fee #002 Release Remdiation	11/9/2022



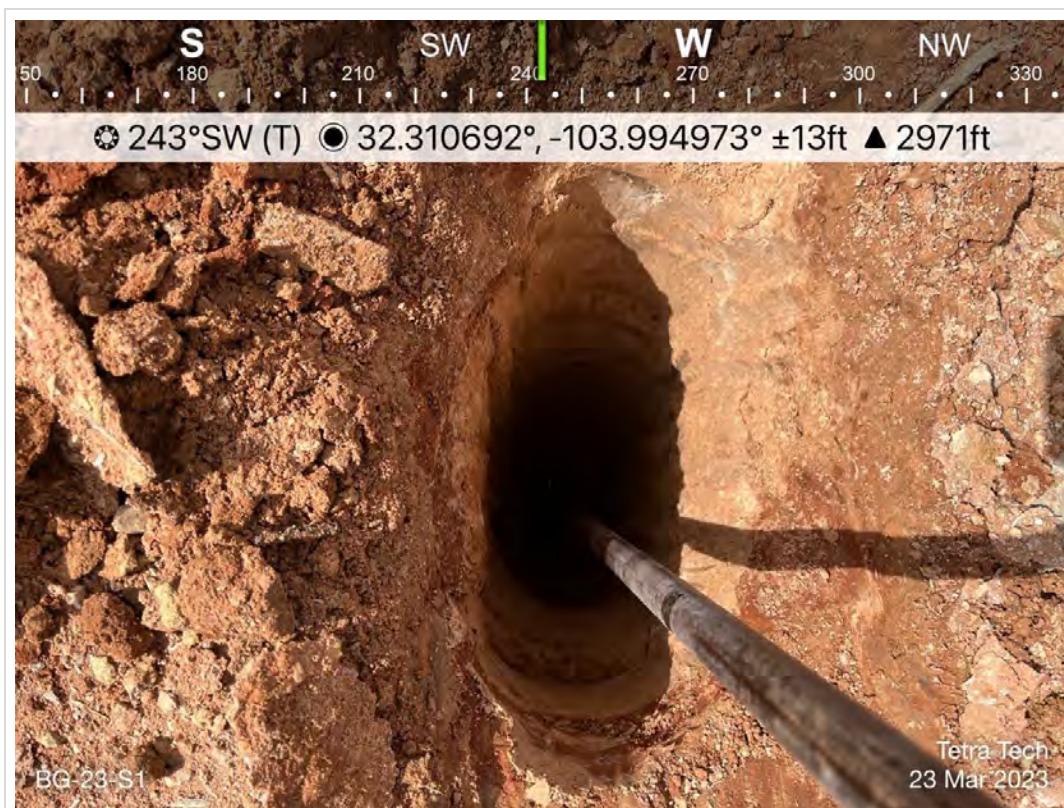


TETRA TECH, INC. PROJECT NO. 212C-MD-02747	DESCRIPTION	Close up view of hand auger boring BG-23-N1.	1
	SITE NAME	USP FEE #002 Release	3/23/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02747	DESCRIPTION	Close up view of hand auger boring BG-23-N2.	2
	SITE NAME	USP FEE #002 Release	3/23/2023





TETRA TECH, INC. PROJECT NO. 212C-MD-02747	DESCRIPTION	Close up view of hand auger boring BG-23-S1.	3
	SITE NAME	USP FEE #002 Release	3/23/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02747	DESCRIPTION	Close up view of hand auger boring BG-23-S2.	4
	SITE NAME	USP FEE #002 Release	3/23/2023

**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 206760

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 206760
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	4/18/2023