



October 24, 2024

Nelson Velez  
Environmental Specialist  
New Mexico Energy, Minerals, and Natural Resources Department  
1000 Rio Brazos Road  
Aztec, NM 87410

**Re: Closure Report  
ConocoPhillips Company (COG Operating, LLC)  
King Tut Federal CTB Pasture Release  
Unit Letter D, Section 30, Township 24 South, Range 32 East  
Lea County, New Mexico  
Incident ID# NAPP2319132381**

Mr. Velez:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (ConocoPhillips) to remediate a COG Operating, LLC (Concho) release that occurred in the vicinity of the King Tut Federal Central Tank Battery (CTB) (Facility ID fAPP2203843099). The release footprint is located in Public Land Survey System (PLSS) Unit Letter D, Section 30, Township 24 South, Range 32 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.194771°, -103.719441°, as shown on Figures 1 and 2. The release occurred on federal lands managed by the Bureau of Land Management (BLM).

## BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), the release was discovered on June 21, 2023. The release was reported as the result of a hole that developed in a flex line due to corrosion. 158.54 barrels (bbls) of produced water were reported released, of which 70 bbls were reported recovered. The New Mexico Oil Conservation District (NMOCD) received the initial C-141 report form for the release on July 10, 2023. The NMOCD Incident ID for this release is NAPP2319132381.

## SITE CHARACTERIZATION

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

According to the New Mexico Office of the State Engineer (NMOSE) reporting system, there is one well within a ½-mile (800-meter) radius of the Site, located approximately 0.40 miles (648 meters) east of the release point. This well has a total depth of 120 feet below ground surface (bgs) with no groundwater encountered. The nearest NMOSE-registered well with depth-to-water data is located 1.3 miles (2,098 meters) from the Site and has a depth to water of 135 feet bgs.

In addition to the available groundwater data, on September 15, 2022, borehole BH01 (New Mexico Office of the State Engineer (NMOSE) file number C-4665) was advanced to a depth of 120 feet bgs via air rotary drill rig under the oversight of Ensolum. The borehole was located approximately 0.4 miles east of the Site.

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Closure Report  
October 24, 2024

ConocoPhillips

A field geologist logged and described soils continuously. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period, groundwater was not observed, and it was confirmed that groundwater beneath the Site is greater than 120 feet bgs. The borehole was properly abandoned using hydrated bentonite chips. The site characterization data is included in Appendix B.

## REGULATORY FRAMEWORK

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

Based on the site characterization, depth to groundwater, and in accordance with Table I of 19.15.29.12 NMAC, the recommended remedial action levels (RRALs) for the Site are as follows:

Constituent	Site RRALs
Chloride	20,000 mg/kg
TPH (GRO+DRO+ORO)	2,500 mg/kg
TPH (GRO+DRO)	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

Additionally, in accordance with the NMOCD guidance *Procedures for Implementation of the Spill Rule (19.15.29 NMAC)* (September 6, 2019), the following reclamation requirements for surface soils (0-4 ft bgs) outside of active oil and gas operations are as follows:

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

## SITE ASSESSMENT SUMMARY, REMEDIATION WORK PLAN, AND REGULATORY APPROVAL

On July 3, 2023, Ensolum conducted initial assessment activities on behalf of ConocoPhillips. Seven assessment soil samples (SS01 through SS07) were collected within and around the release extent at a depth of approximately 0.5 feet bgs. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips.

The soils were transported to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico to be analyzed for BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

The laboratory analytical results are summarized in Table 1. All analytical samples associated with soil samples SS01 and SS02, collected from within the release extent, were below the Site RRALs; however, chloride concentrations exceeded the reclamation requirement of 600 mg/kg. There were no other analytical results which exceeded Site RRALs or reclamation standards. Horizontal delineation was achieved at locations SS04 through SS07.

On July 28, 2023, Ensolum returned to the Site to complete vertical delineation of the release extent. Boreholes BH01 through BH07 were advanced via backhoe and hydrovac within the release extent to depths ranging from 4 to 10 feet bgs. Soil samples were collected on 1-foot intervals for field screening, and select samples were submitted to Eurofins for analysis.

Closure Report  
October 24, 2024

ConocoPhillips

The field screening and laboratory analytical results are summarized in Table 1. Results from the additional assessment activities indicate that soil chloride concentrations at all locations are below the Site RRAL of 20,000 mg/kg in the subsurface (greater than 4 feet bgs). Field screening and/or laboratory analytical results collected from boreholes BH01 through BH05 and BH07 indicate chloride concentrations above the reclamation limit of 600 mg/kg in surface soils (0-4 feet bgs). There were no analytical results which exceeded Site RRALs or reclamation requirements for TPH or BTEX.

Ensolum prepared a Remediation Work Plan dated August 28, 2023 summarizing the analytical results of the assessment sampling activities. The plan proposed excavating the release area with chloride concentrations above reclamation requirements to approximately 4 feet below surface, proceeding laterally until sidewall samples indicate chloride concentrations below the reclamation requirements. The plan requested a variance to decrease the frequency of confirmation samples to every 400 square feet of excavation area.

The Remediation Work Plan was submitted to the NMOCD and approved as written on November 28, 2024. A 90-day extension was requested by Tetra Tech on February 15, 2024, and approved by the NMOCD. Based on the Site complexity, an additional 90-day extension was requested on May 24, 2024 and duly approved. A third and final 60-day extension (until October 25, 2024) was requested and approved by NMOCD. The BLM approved ConocoPhillips to proceed with the remedial action in an email dated June 21, 2024. Copies of the regulatory correspondence are included in Appendix C.

## REMEDIAL ACTIVITIES AND CONFIRMATION SAMPLING

The release footprint is in an extremely congested pasture area immediately adjacent to two battery facilities. Utility line location began at the Site on September 11; however, work was postponed as an active Plains line runs north south through the footprint and the Plains representative was not available. Work at the Site resumed on September 16. From September 16 through October 10, 2024, Tetra Tech personnel were onsite to supervise the remedial activities proposed in the approved Remediation Work Plan, including excavation, disposal, and confirmation sampling. Prior to confirmation sampling, on September 17, 2024, the NMOCD district office was notified via the OCD Portal (C-141N) in accordance with Subsection D of 19.15.29.12 NMAC. Associated follow up notifications and/or variances were provided to the NMOCD prior to conducting final sampling pursuant to 19.15.29.12.D(1)(a) NMAC. Documentation of associated regulatory correspondence is included in Appendix C.

Impacted soils were excavated as indicated in Figure 3. The areas within the release footprint were excavated to a maximum depth of 4 feet below surrounding grade, based on the approved work plan. Due to safety concerns associated with working around energized and pressurized lines, impacted soils were excavated by hand or hydro-excavation within 2 feet of surface and subsurface lines. Heavy machinery remained outside these buffer zones to avoid any associated risk or disturbance. Photographs from the excavated areas prior to backfill are provided in Appendix D.

Following excavation, confirmation floor and sidewall samples were collected and submitted for laboratory analysis to verify efficacy of remediation activities. Per the NMOCD approved confirmation sampling plan, confirmation samples were collected such that each discrete sample (sidewall and floor) was representative of no more than 400 square feet of excavated area. Thirteen (13) confirmation floor sample locations and eight (8) confirmation sidewall sample locations were collected for laboratory analysis 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, depths and confirmation sample locations are indicated in Figure 3.

Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Cardinal. The soil samples were analyzed for TPH (GRO+DRO+MRO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chlorides by SM4500Cl-B. The analytical results were directly compared to the reclamation limits and established Site RRALs to demonstrate compliance.

Closure Report  
October 24, 2024

ConocoPhillips

The results of the September and October 2024 confirmation sampling events are summarized in Table 3. All final confirmation soil samples (floor and sidewall) were below applicable cleanup levels for chloride, TPH, and BTEX. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

All excavated material was transported offsite for proper disposal. Approximately 662 cubic yards of material were transported to the Northern Delaware Basin Landfill. Copies of the waste manifests are included in Appendix F.

## RECLAMATION ACTIVITIES

Based on 19.15.29.13 NMAC, areas disturbed by the remediation have been reclaimed. Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Cardinal. The soil samples were analyzed for TPH (GRO+DRO+MRO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chlorides by SM4500Cl-B. The analytical results were directly compared to the reclamation requirements and established Site RRALs to demonstrate compliance. All final confirmation soil samples (floor and sidewall) were below the reclamation limits for chloride, TPH, and BTEX. Excavated areas, depths and confirmation sample locations are indicated in Figure 3. The results of the September and October 2024 confirmation sampling events are summarized in Table 3.

Once acceptable confirmation sample results were received, the excavation was backfilled with clean material to pre-release grade. In accordance with 19.15.29.12 NMAC, the reclaimed area contained a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by SM4500Cl-B. The soil cover included a top layer consisting of one foot of suitable material to establish vegetation at the site. The backfilled areas in the pasture were seeded following backfilling, to aid in revegetation. Based on the soils of the site, the BLM Seed Mix #2 was used for seeding and was planted in the amount specified in the pounds pure live seed (PLS) per acre. One (1) representative 5-point composite sample was collected from the backfill material used for the reclamation of the project site. Soil backfill composite sampling results are summarized in Table 4. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The final reclaimed and seeded area is indicated in Figure 4.

Site inspections will be performed annually to assess the revegetation progress and evaluate the site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the NMSLO will be contacted to determine an effective method for eradication. If the site does not show revegetation after one growing season, the area will be reseeded as appropriate. Reclamation activities have been implemented in consultation with the BLM.

## CONCLUSION

ConocoPhillips respectfully requests closure of the incident based on the confirmation sampling results and remedial activities performed. The final C-141 forms are enclosed in Appendix A.

Sincerely,

**Tetra Tech, Inc.**



Nicholas M. Poole, G.I.T.  
Project Lead



Christian Llull, P.G.  
Program Manager

cc:  
Mr. Ike Tavarez, RMR – ConocoPhillips  
Ms. Crisha Morgan, BLM



## LIST OF ATTACHMENTS

### Figures:

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Remedial Activities and Confirmation Sampling Locations
- Figure 4 – Reclamation and Restoration Area

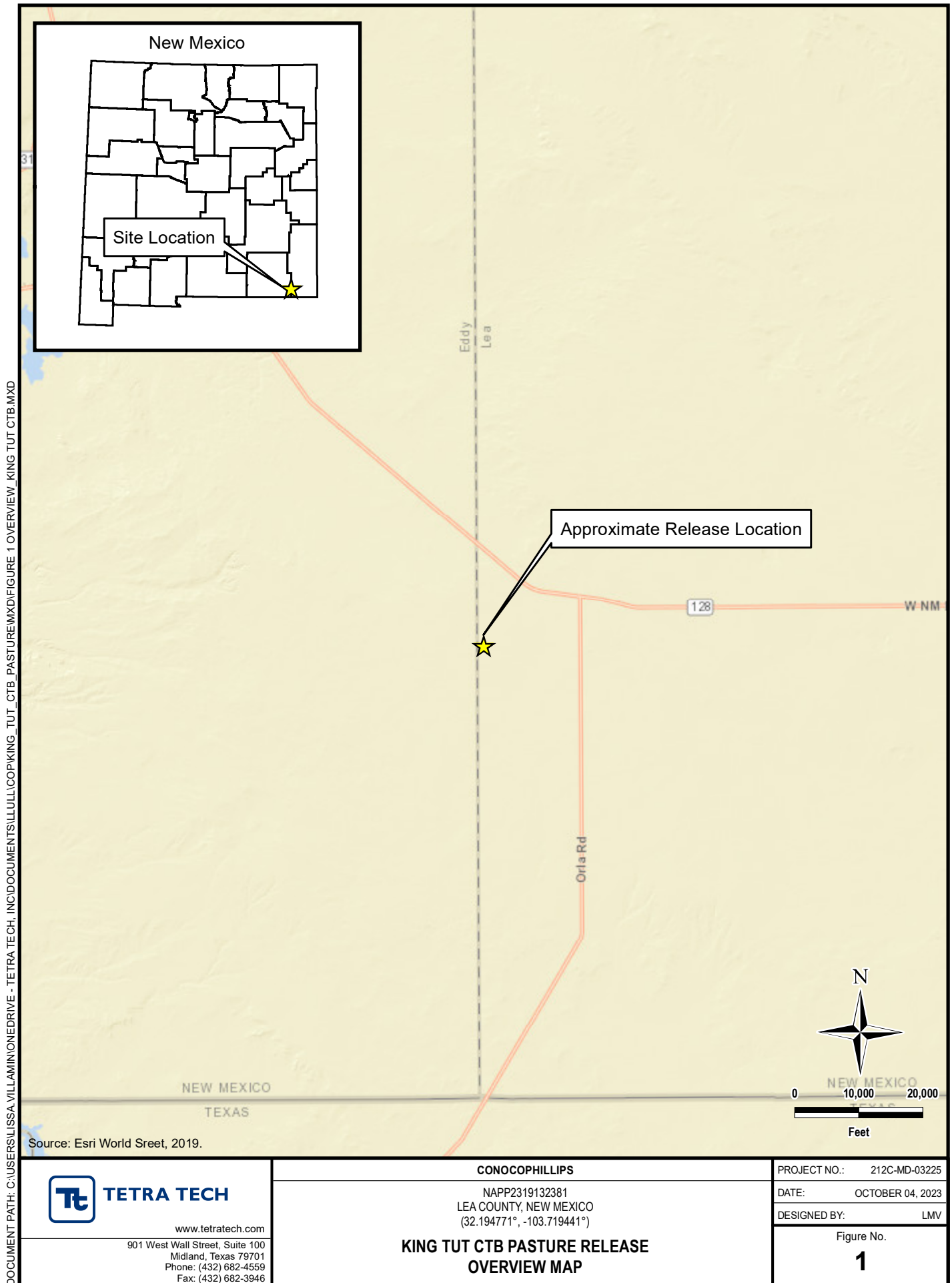
### Tables:

- Table 1 – Summary of Analytical Results – Ensolum Soil Assessment
- Table 2 – Summary of Analytical Results – Soil Remediation
- Table 3 – Summary of Analytical Results – Soil Backfill

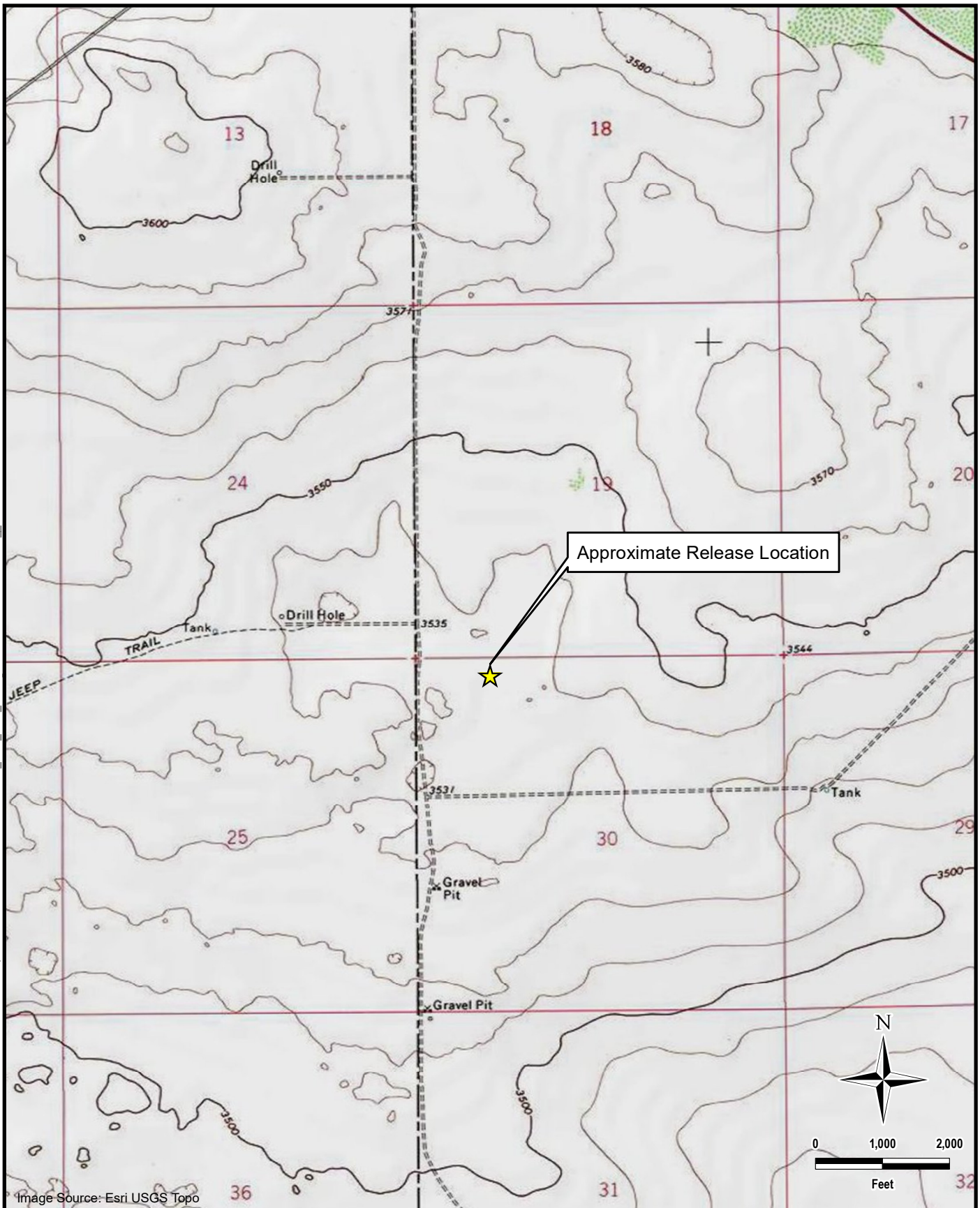
### Appendices:

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

## **FIGURES**



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**CONOCOPHILLIPS**

NAPP2319132381  
 LEA COUNTY, NEW MEXICO  
 (32.194771°, -103.719441°)

**KING TUT CTB PASTURE RELEASE  
 TOPOGRAPHIC MAP**

PROJECT NO.: 212C-MD-03225

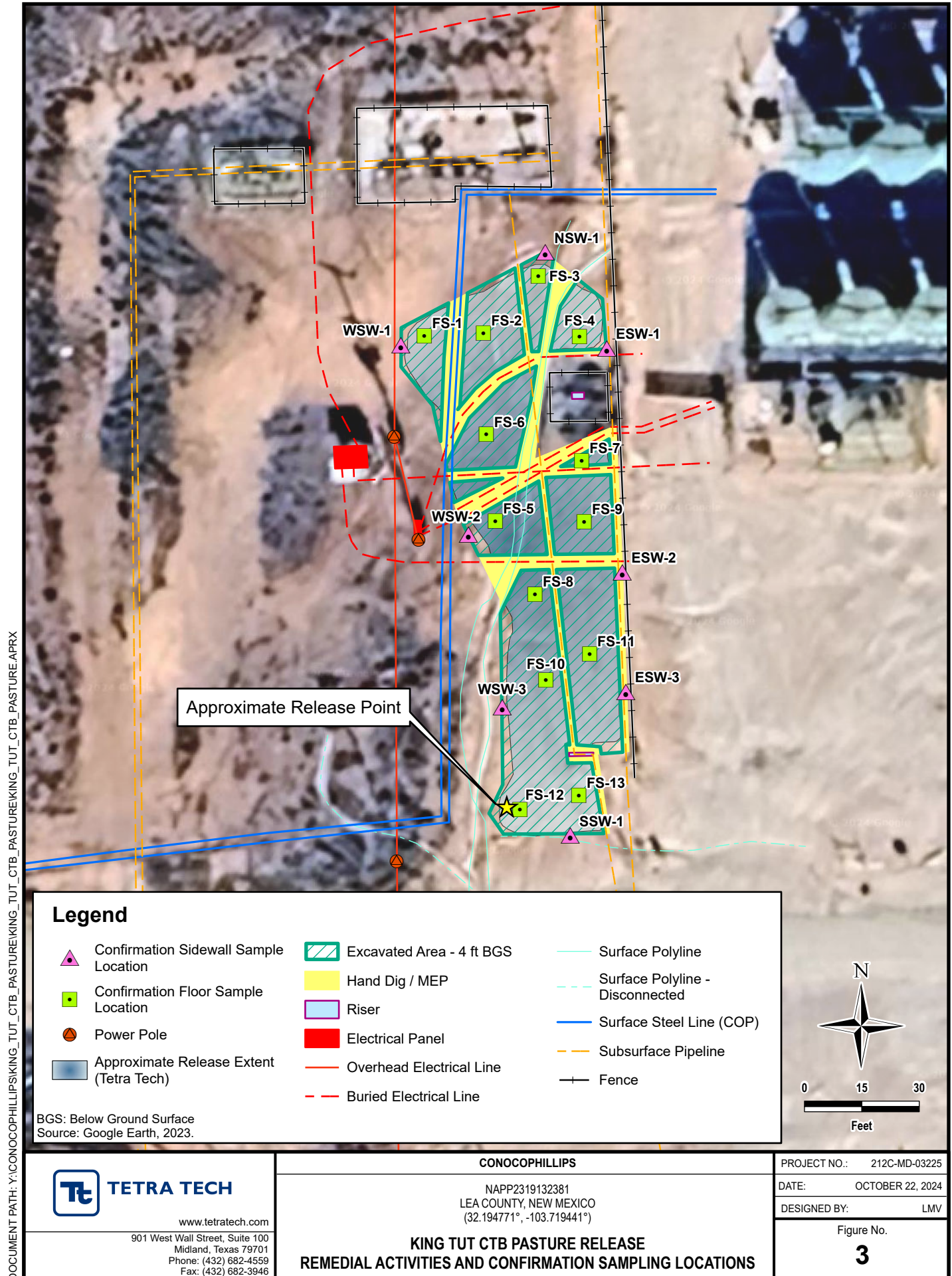
DATE: OCTOBER 04, 2023

DESIGNED BY: LMV

Figure No.

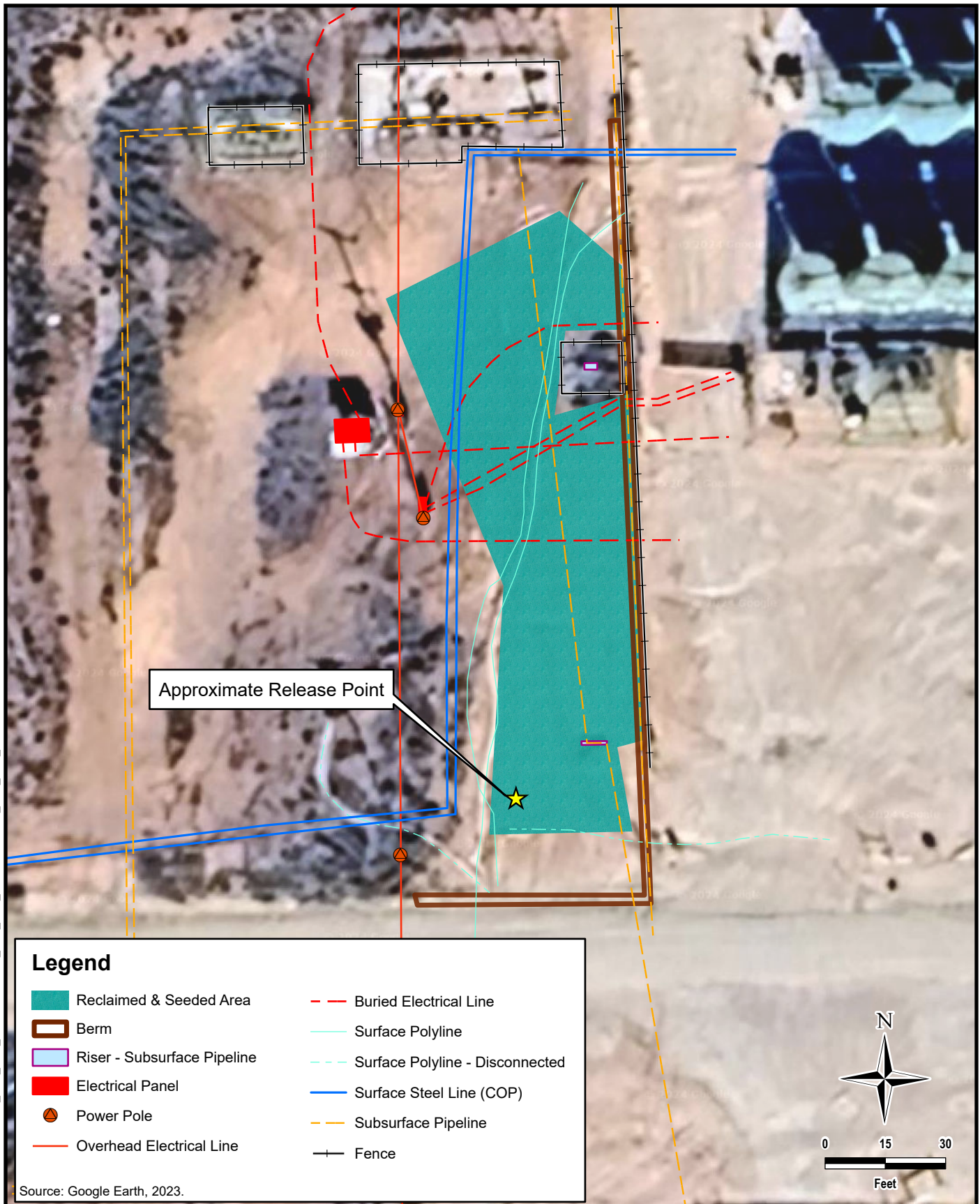
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**CONOCOPHILLIPS**

NAPP2319132381  
LEA COUNTY, NEW MEXICO  
(32.194771°, -103.719441°)

**KING TUT CTB PASTURE RELEASE  
RECLAMATION AND RESTORATION AREA**

PROJECT NO.: 212C-MD-03225

DATE: OCTOBER 22, 2024

DESIGNED BY: LMV

Figure No.

**4**



## **TABLES**

TABLE 1  
SUMMARY OF ANALYTICAL RESULTS  
ENSOLUM SOIL ASSESSMENT - NAPP2319132381  
CONOCOPHILLIPS  
KING TUT FEDERAL #1  
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride <sup>2</sup>		Benzene		Toluene		Ethylbenzene		m,p-Xylenes		o-Xylene		Total Xylenes		Total BTX		GRO		DRO		ORO		Total TPH (GRO+DRO+ORO)		
			Chloride	PID	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q			
																												ppm	
S501	7/3/2023	0.5	-	-	8390		<0.00202	U	<0.00202	U	<0.00202	U	<0.00403	U	<0.00202	U	<0.00403	U	<0.00403	U	<50.2	U	83.0	*1	<50.2	U	83.0		
S502	7/3/2023	0.5	-	-	15300		<0.00200	U	<0.00200	U	<0.00200	U	<0.00401	U	<0.00200	U	<0.00401	U	<0.00401	U	<50.0	U	<50.0	U	*1	<50.0	U	<50.0	
S503	7/3/2023	0.5	-	-	412		<0.00201	U	<0.00201	U	<0.00201	U	<0.00402	U	<0.00201	U	<0.00402	U	<0.00402	U	<50.2	U	<50.2	U	*1	<50.2	U	<50.2	
S504	7/3/2023	0.5	-	-	88.7		<0.00201	U	<0.00201	U	<0.00201	U	<0.00402	U	<0.00201	U	<0.00402	U	<0.00402	U	<49.9	U	F2	<49.9	U		<49.9	U	<49.9
S505	7/3/2023	0.5	-	-	44.9		<0.00200	U	<0.00200	U	<0.00200	U	<0.00401	U	<0.00200	U	<0.00401	U	<0.00401	U	<49.9	U		<49.9	U		<49.9	U	<49.9
S506	7/3/2023	0.5	-	-	108		<0.00198	U	<0.00198	U	<0.00198	U	<0.00396	U	<0.00198	U	<0.00396	U	<0.00396	U	<50.3	U		<50.3	U		<50.3	U	<50.3
S507	7/3/2023	0.5	-	-	49.1		<0.00199	U	<0.00199	U	<0.00199	U	<0.00398	U	<0.00199	U	<0.00398	U	<0.00398	U	<50.5	U		<50.5	U		<50.5	U	<50.5
BH01	7/28/2023	1	2,279	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH01	7/28/2023	2	12,202	0.0	9430		<0.00198	U	<0.00198	U	<0.00198	U	<0.00397	U	<0.00198	U	<0.00397	U	<0.00397	U	<50.4	U		<50.4	U		<50.4	U	<50.4
BH01	7/28/2023	3	9,676	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH01A	7/28/2023	4	156	0.0	369		<0.00199	U	<0.00199	U	<0.00199	U	<0.00398	U	<0.00199	U	<0.00398	U	<0.00398	U	<49.7	U		<49.7	U		<49.7	U	<49.7
BH02	7/28/2023	1	11,110	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH02	7/28/2023	2	16,430	0.0	13600		<0.00201	U	<0.00201	U	<0.00201	U	<0.00402	U	<0.00201	U	<0.00402	U	<0.00402	U	<49.7	U		<49.7	U		<49.7	U	<49.7
BH02	7/28/2023	3	16,430	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH02	7/28/2023	4	6,748	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH02	7/28/2023	5	1,293	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH02A	7/28/2023	6	229	0.0	369		<0.00200	U	<0.00200	U	<0.00200	U	<0.00401	U	<0.00200	U	<0.00401	U	<0.00401	U	<49.8	U		<49.8	U		<49.8	U	<49.8
BH03	7/28/2023	1	13,104	0.0	9050		<0.00198	U	<0.00198	U	<0.00198	U	<0.00396	U	<0.00198	U	<0.00396	U	<0.00396	U	<50.0	U		<50.0	U		<50.0	U	<50.0
BH03	7/28/2023	2	9,200	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH03	7/28/2023	3	6,220	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH03	7/28/2023	4	806	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH03	7/28/2023	5	1,030	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH03	7/28/2023	6	1,204	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH03A	7/28/2023	7	397	0.0	589		<0.00202	U	<0.00202	U	<0.00202	U	<0.00403	U	<0.00202	U	<0.00403	U	<0.00403	U	<50.0	U		<50.0	U		<50.0	U	<50.0
BH03	7/28/2023	8	ND	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH04	7/28/2023	1	3,640	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH04	7/28/2023	2	5,040	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH04	7/28/2023	3	3,516	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH04	7/28/2023	4	3,516	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH04	7/28/2023	5	5,728	0.0	3690		<0.00198	U	<0.00198	U	<0.00198	U	<0.00397	U	<0.00198	U	<0.00397	U	<0.00397	U	<49.6	U		<49.6	U		<49.6	U	<49.6
BH04	7/28/2023	6	1,125	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH04	7/28/2023	7	1,993	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH04	7/28/2023	8	3,920	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH04A	7/28/2023	9	9,548	0.0	6820		<0.00201	U	<0.00201	U	<0.00201	U	<0.00402	U	<0.00201	U	<0.00402	U	<0.00402	U	<50.2	U		<50.2	U		<50.2	U	<50.2
BH05	7/28/2023	1	13,322	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH05	7/28/2023	2	14,604	0.0	11400		<0.00199	U	<0.00199	U	<0.00199	U	<0.00398	U	<0.00199	U	<0.00398	U	<0.00398	U	<50.3	U		<50.3	U		<50.3	U	<50.3
BH05	7/28/2023	3	6,770	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH05	7/28/2023	4	6,210	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH05	7/28/2023	5	3,808	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH05	7/28/2023	6	2,122	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH05A	7/28/2023	7	229	0.0	342		<0.00200	U	<0.00200	U	<0.00200	U	<0.00400	U	<0.00200	U	<0.00400	U	<0.00400	U	<50.4	U		<50.4	U		<50.4	U	<50.4
BH05	7/28/2023	8	1,724	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH06	7/28/2023	1	1,114	0.0	434	F1	<0.00201	U	<0.00201	U	<0.00201	U	<0.00402	U	<0.00201	U	<0.00402	U	<0.00402	U	<50.2	U		<50.2	U		<50.2	U	<50.2
BH06	7/28/2023	2	739	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH06A	7/28/2023	3	ND	0.0	143		<0.00200	U	<0.00200	U	<0.00200	U	<0.00399	U	<0.00200	U	<0.00399	U	<0.00401	U	<50.4	U		<50.4	U		<50.4	U	<50.4
BH06	7/28/2023	4	ND	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH07	7/28/2023	1	13,440	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH07	7/28/2023	2	13,440	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH07	7/28/2023	3	10,617	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH07	7/28/2023	4	9,240	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH07	7/28/2023	5	16,486	0.0	13000		<0.00200	U	<0.00200	U	<0.00200	U	<0.00401	U	<0.00200	U	<0.00401	U	<0.00401	U	<50.2	U		<50.2	U		<50.2	U	<50.2
BH07	7/28/2023	6	16,486	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH07	7/28/2023	7	13,440	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH07	7/28/2023	8	16,486	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH07	7/28/2023	9	7,285	0.0	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		-		-
BH07A	7/28/2023	10	7,884	0.0	5890</																								

## NOTES:

ft. Feet  
bgs Below ground surface  
mg/kg Milligrams per kilogram  
TPH Total Petroleum Hydrocarbons  
GRO Gasoline range organics  
DRO Diesel range organics  
ORO Oil range organics  
NS Sample not analyzed for parameter  
ND Non Detect  
1 Method: EPA 300.0  
2 Method: SW846 8021B  
3 Method: SW846 8015B NM  
4 Method: SW846 8015 NM

**Bold and italicized values indicate exceedance of proposed Remediation RRLs and Reclamation Requirements.**

## QUALIFIERS:

\*+ LCS and/or LCSD is outside acceptance limits, high biased.  
\*1 LCS/LCSE RPD exceeds control limits.  
U Indicates the analyte was analyzed for but not detected  
F2 MS/MSD RPD exceeds control limits

TABLE 2  
SUMMARY OF ANALYTICAL RESULTS  
SOIL REMEDIATION - NAPP2319132381  
CONOCOPHILLIPS  
KING TUT FEDERAL #1 CTB/PASTURE FLOWLINE RELEASE  
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>						
							Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH
			Chloride	PID			mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	C <sub>6</sub> - C <sub>10</sub>		> C <sub>10</sub> - C <sub>28</sub>		> C <sub>28</sub> - C <sub>36</sub>		(GRO+DRO+EXT DRO)
		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	9/26/2024	4			5,460		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-2	10/3/2024	4			784		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-3	10/3/2024	4			80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-4	9/26/2024	4			2,320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-5	9/26/2024	4			128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-6	10/3/2024	4			1,180		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-7	9/26/2024	4			736		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-8	10/2/2024	4			2960		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-9	9/26/2024	4			576		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-10	10/2/2024	4			<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-11	10/2/2024	4			1520		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-12	10/2/2024	4			5600		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-13	10/2/2024	4			224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
NSW-1	9/26/2024	-			16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
ESW-1	9/26/2024	-			208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
ESW-2	9/26/2024	-			208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
ESW-3	9/26/2024	-			80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
SSW-1	10/3/2024	-			32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-1	9/26/2024	-			80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-2	9/26/2024	-			64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-3	10/2/2024	-			112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

***Bold and italicized values indicate exceedance of proposed Remediation RRALs and Reclamation Requirements.***

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

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

\* These iterative samples are located to encompass the original sample location that triggered removal, with further excavation in each area indicated in ().

QUALIFIERS:

TABLE 3  
SUMMARY OF ANALYTICAL RESULTS  
TWIN WELLS BUCKTHORN PIT - SOIL BACKFILL  
CONOCOPHILLIPS  
32.152167°, -103.773445°  
LEA COUNTY, NM

Sample ID	Sample Date	Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>							
				Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH	
														C <sub>6</sub> - C <sub>10</sub>		> C <sub>10</sub> - C <sub>28</sub>		> C <sub>28</sub> - C <sub>36</sub>		(GRO+DRO+EXT DRO)	
		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
BACKFILL - COMPOSITE	3/26/2024	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	

- NOTES:
- ft. Feet
  - bgs Below ground surface
  - mg/kg Milligrams per kilogram
  - TPH Total Petroleum Hydrocarbons
  - GRO Gasoline range organics
  - DRO Diesel range organics
  - 1 Method SM4500Cl-B
  - 2 Method 8021B
  - 3 Method 8015M

## **APPENDIX A C-141 Forms**

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

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

Incident ID	NAPP2319132381
District RP	
Facility ID	fAPP2203843099
Application ID	

Release Notification

Responsible Party

Responsible Party	COG Operating, LLC.	OGRID	229137
Contact Name	Jacob Laird	Contact Telephone	(575) 703-5482
Contact email	Jacob.Laird@ConocoPhillips.com	Incident # (assigned by OCD)	NAPP2319132381
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701		

Location of Release Source

Latitude 32.195 Longitude -103.7194  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name	King Tut Federal CTB	Site Type	Flowline
Date Release Discovered	June 21, 2023	API# (if applicable)	

Unit Letter	Section	Township	Range	County
D	30	24S	32E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 158.54	Volume Recovered (bbls) 70
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The release was caused by a hole that developed in a flex line due to corrosion.  
This release was off pad.  
Evaluation will be made of the site to determine if we may commence remediation immediately or delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation activities.



Incident ID	NAPP2319132381
District RP	
Facility ID	fAPP2203843099
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? <b>Release was greater than 25 barrels.</b>
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? <b>Immediate Notification was given by Jacob Laird on June 21, 2023 at 3:20 PM via email to ocd.enviro@emnrd.nm.gov and BLM_NM &lt;BLM_NM_CFO_Spill@blm.gov.</b>	

### Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:          	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name <b>Brittany N. Esparza</b>	Title: <b>Environmental Technician</b>
Signature: 	Date: <b>7/10/2023</b>
email: <b>Brittany.Esparza@ConocoPhillips.com</b>	Telephone: <b>(432) 221-0398</b>
<b><u>OCD Only</u></b>	
Received by: <b>Shelly Wells</b>	Date: <b>7/10/2023</b>

Spill Calculation - On-Pad Surface Pool Spill

Page 3 of 3

Received by OCD: 7/10/2023 9:23:30 AM

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	Estimated <u>Pool</u> Area (sq. ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	35	80	2.0	2800.00	83.07	0.01	83.76
Rectangle B	50	50	2.0	2500.00	74.17	0.01	74.78
Rectangle C				0.00	0.00	0.00	0.00
Rectangle D				0.00	0.00	0.00	0.00
Rectangle E				0.00	0.00	0.00	0.00
Rectangle F				0.00	0.00	0.00	0.00
Rectangle G				0.00	0.00	0.00	0.00
Rectangle H				0.00	0.00	0.00	0.00
Rectangle I				0.00	0.00	0.00	0.00
Rectangle J				0.00	0.00	0.00	0.00
Total Surface Pool Volume Released, Release to Soil/Caliche:							158.5436

Released to Imaging: 7/10/2023 10:30:00 AM

**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 237817

CONDITIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 237817
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	7/10/2023

Incident ID	NAPP2319132381
District RP	
Facility ID	fAPP2203843099
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?	<u>&gt;100</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	NAPP2319132381
District RP	
Facility ID	fAPP2203843099
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: \_\_Jacob Laird\_\_\_\_ Title: \_\_Environmental Engineer\_\_\_\_

Signature: Jacob Laird Date: \_\_8/28/2023\_\_\_\_

email: \_\_Jacob.Laird@conocophillips.com\_\_\_\_ Telephone: \_\_575-703-5482\_\_\_\_

**OCD Only**Received by: Shelly Wells Date: 9/7/2023

Incident ID	NAPP2319132381
District RP	
Facility ID	fAPP2203843099
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: \_\_Jacob Laird\_\_Title: \_\_Environmental Engineer\_\_Signature: *Jacob Laird*Date: \_\_8/28/2023\_\_email: \_\_Jacob.Laird@conocophillips.com\_\_Telephone: \_\_575-703-5482\_\_**OCD Only**Received by: \_\_Shelly Wells\_\_ Date: \_\_9/7/2023\_\_☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature: *Nelson Velez*Date: \_\_11/28/2023\_\_



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

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

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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: \_\_\_\_\_

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

## **APPENDIX B**

### **Site Characterization Data**



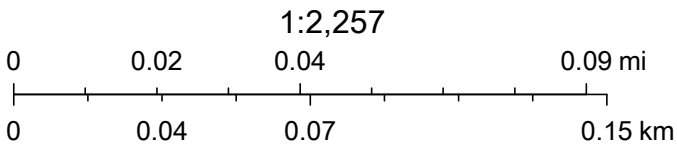
# OCD Karst Potential



9/6/2023, 10:48:29 AM

Karst Occurrence Potential

Low



BLM, OCD, New Mexico Tech, Maxar, Microsoft, Esri, HERE, Garmin, iPC





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 04665</a>	CUB	LE		1	1	2	30	24S	32E	621350	3562798	723	120		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

### UTM NAD83 Radius Search (in meters):

**Easting (X):** 620631.2

**Northing (Y):** 3562717.58

**Radius:** 800

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/18/23 7:33 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 04665</a>	CUB	LE		1	1	2	30	24S	32E	621350	3562798	648	120		
<a href="#">C 04654 POD1</a>	CUB	ED		3	3	4	25	24S	31E	619764	3561226	1784	55		
<a href="#">C 04636 POD1</a>	CUB	ED		3	4	3	25	24S	31E	619200	3561279	2098			
<a href="#">C 04643 POD1</a>	C	ED		4	2	2	05	23S	27E	619200	3561279	2098	305	135	170

Average Depth to Water: **135 feet**

Minimum Depth: **135 feet**

Maximum Depth: **135 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

**Easting (X):** 620703.58

**Northing (Y):** 3562743.69

**Radius:** 3000

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.

9/27/23 1:15 PM

Page 1 of 1

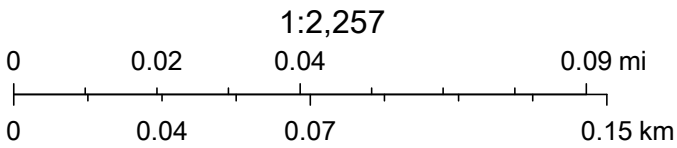
WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# OCD Waterbodies



9/6/2023, 10:50:48 AM



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



## National Flood Hazard Layer FIRMette



103°43'29"W 32°11'56"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **10/3/2023 at 12:34 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



# OCD Land Ownership



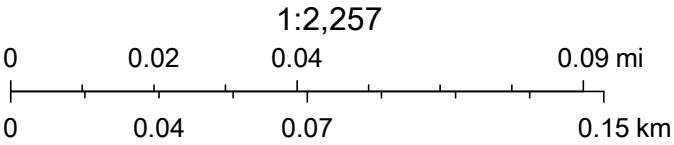
9/6/2023, 10:45:52 AM

Mineral Ownership

A-All minerals are owned by U.S.

Land Ownership

BLM



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

## **APPENDIX C**

### **Regulatory Correspondence**



**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)  
**To:** [Lull, Christian](#)  
**Subject:** The Oil Conservation Division (OCD) has accepted the application, Application ID: 384354  
**Date:** Tuesday, September 17, 2024 4:04:02 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 PRODUCTION, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2319132381.

The sampling event is expected to take place:

**When:** 09/25/2024 @ 10:00

**Where:** D-30-24S-32E 0 FNL 0 FEL (32.19501,-103.71941)

**Additional Information:** Please Contact Nicholas Poole at Mobile +1 (512) 560-9064

**Additional Instructions:** Lea County, New Mexico

GPS Coordinates: 32.194771°, -103.719441°

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**

1220 South St. Francis Drive

Santa Fe, NM 87505

**Llull, Christian**

---

**From:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>  
**Sent:** Tuesday, October 1, 2024 3:00 PM  
**To:** Llull, Christian  
**Cc:** Poole, Nicholas; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD  
**Subject:** Re: [EXTERNAL] Application ID: 388671 - C-141N Variance Request (Incident ID nAPP2319132381)

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

Good afternoon Christian,

Thank you for the notice. Your variance request specifically addressing 19.15.29.12D (1a) NMAC is approved.

If an OCD representative is not on-site on the date &/or time given, please sample per 19.15.29 NMAC or from an OCD pre-approved sampling plan. For whatever reason, if the sampling timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of this change may result in the closure sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

**Nelson Velez** • Environmental Specialist - Adv  
Environmental Bureau | EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87410  
(505) 469-6146 | [nelson.velez@emnrd.nm.gov](mailto:nelson.velez@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/oed>



---

**From:** Llull, Christian <Christian.Llull@tetrattech.com>  
**Sent:** Tuesday, October 1, 2024 10:23 AM  
**To:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>  
**Cc:** Poole, Nicholas <NICHOLAS.POOLE@tetrattech.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Subject:** [EXTERNAL] Application ID: 388671 - C-141N Variance Request (Incident ID nAPP2319132381)

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

Good afternoon,

I am requesting a variance to conduct portions of confirmation sampling on 10/2/2024 in addition to 10/3/2024 and 10/4/2024 as stated in the C-141N.

Site conditions and safety concerns associated with subsurface electrical lines in the excavation footprint have created logistical issues with scheduling sampling.

The remediation activities are ongoing, we will submit additional sampling notifications/variances as needed.

Thanks,  
Christian

**Christian Llull, P.G.** | Program Manager  
Mobile +1 (512) 565-0190 | [christian.llull@tetrattech.com](mailto:christian.llull@tetrattech.com)

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

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**Llull, Christian**

---

**From:** OCDOnline@state.nm.us  
**Sent:** Tuesday, September 17, 2024 4:04 PM  
**To:** Llull, Christian  
**Subject:** The Oil Conservation Division (OCD) has accepted the application, Application ID: 384354

**⚠ 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 PRODUCTION, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2319132381.

The sampling event is expected to take place:

**When:** 09/25/2024 @ 10:00

**Where:** D-30-24S-32E 0 FNL 0 FEL (32.19501,-103.71941)

**Additional Information:** Please Contact Nicholas Poole at Mobile +1 (512) 560-9064

**Additional Instructions:** Lea County, New Mexico

GPS Coordinates: 32.194771°, -103.719441°

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**

1220 South St. Francis Drive

Santa Fe, NM 87505



**Llull, Christian**

---

**From:** OCDOnline@state.nm.us  
**Sent:** Tuesday, October 1, 2024 9:39 AM  
**To:** Llull, Christian  
**Subject:** The Oil Conservation Division (OCD) has accepted the application, Application ID: 388671

**⚠ 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 PRODUCTION, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2319132381.

The sampling event is expected to take place:

**When:** 10/03/2021 @ 10:00

**Where:** D-30-24S-32E 0 FNL 0 FEL (32.19501,-103.71941)

**Additional Information:** Additional Information: Sampling at the Release Incident Site will be conducted on 10/3 and 10/4. This C-141N request is intended to provide a range of dates for which confirmation sampling will be conducted.

**Additional Instructions:** Please contact Nicholas Poole, GIT | Project Manager Mobile +1 (512) 560-9064

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

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

**Poole, Nicholas**

---

**From:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>  
**Sent:** Thursday, February 22, 2024 8:18 AM  
**To:** Poole, Nicholas; Enviro, OCD, EMNRD  
**Cc:** Llull, Christian  
**Subject:** Re: [EXTERNAL] Extension Request - NAPP2319132381 (King Tut Federal CTB )

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Good afternoon Nicholas,

Your 90-day time extension request is approved. Remediation Due date has been updated to May 28, 2024.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

**Nelson Velez** • Environmental Specialist - Adv  
Environmental Bureau | EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87410  
(505) 469-6146 | [nelson.velez@emnrd.nm.gov](mailto:nelson.velez@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>



---

**From:** Poole, Nicholas <NICHOLAS.POOLE@tetrattech.com>  
**Sent:** Thursday, February 15, 2024 12:20 PM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Cc:** Llull, Christian <Christian.Llull@tetrattech.com>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>  
**Subject:** [EXTERNAL] Extension Request - NAPP2319132381 (King Tut Federal CTB )

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Mr. Velez,

On behalf of ConocoPhillips, Tetra Tech is requesting a 90-day extension (until May 26, 2024) to complete remedial activities and associated reporting for the King Tut Federal CTB Release Site (**NAPP2319132381**).

The Remediation Work Plan (Work Plan) was prepared by Ensolum on behalf of ConocoPhillips and submitted to NMOCD on August 28, 2023. The Work Plan described the results of the release assessment and provided characterization of the impact at the site. The Work Plan was approved by the NMOCD on Tuesday, November 28, 2023, with the following comment:

- *Remediation plan approved as written. Remediation Due date updated to February 26, 2024..*

Tetra Tech, on behalf of COP, submitted the NMOCD-approved Remediation Work Plan via email to the Bureau of Land Management (BLM) on February 6, 2024. The Work Plan was approved via email by Ms. Shelly Taylor, Environmental Protection Specialist.

Tetra Tech is currently preparing for remedial action at the project site. Recent safety incidents in the Permian Basin have precipitated additional policies and procedures regarding overhead and subsurface utilities and remedial action to be performed in the vicinity of said utilities. These policies and procedures require additional permitting and planning in order to safely and successfully complete remedial work in heavily congested areas such as the King Tut CTB. Please see attached the figure indicating known utilities within the release footprint, which precipitate the need for additional time and preparation. Worker safety is of paramount importance to ConocoPhillips and a remediation in an area such as this cannot be rushed. Thus additional time is required to ensure the safety of field personnel and to eliminate any possible additional unwanted impacts to the environment resulting from an unplanned incident.

Once the remedial activities are complete, and confirmation sampling data is collected, tabulated, and evaluated, a closure report will be submitted to the OCD.

Please let me know if you have any questions or concerns.

Thank you in advance.

Nicholas

**Nicholas Poole** | Project Scientist  
Mobile +1 (512) 560-9064 | [nicholas.poole@tetratech.com](mailto:nicholas.poole@tetratech.com)

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**TETRA TECH**

**Poole, Nicholas**

---

**From:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>  
**Sent:** Tuesday, May 28, 2024 10:24 AM  
**To:** Poole, Nicholas  
**Cc:** Bratcher, Michael, EMNRD  
**Subject:** Re: [EXTERNAL] Extension Request - NAPP2319132381 (King Tut Federal CTB )

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Good morning Nicholas,

Thank you for your request. Your 90-day time extension is approved. Remediation Due date has been updated to August 26, 2024.

Please be advised that future time extension request for this incident may be denied if good cause has not been demonstrated.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

**Nelson Velez** • Environmental Specialist - Adv  
Environmental Bureau | EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87410  
(505) 469-6146 | [nelson.velez@emnrd.nm.gov](mailto:nelson.velez@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>



---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Friday, May 24, 2024 3:05 PM  
**To:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>  
**Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
**Subject:** FW: [EXTERNAL] Extension Request - NAPP2319132381 (King Tut Federal CTB )

---

**From:** Poole, Nicholas <NICHOLAS.POOLE@tetrattech.com>  
**Sent:** Friday, May 24, 2024 3:00 PM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

**Cc:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

**Subject:** [EXTERNAL] Extension Request - NAPP2319132381 (King Tut Federal CTB )

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Mr. Velez,

On behalf of ConocoPhillips, Tetra Tech is requesting a second 90-day extension (until August 26, 2024) to complete remedial activities and associated reporting for the King Tut Federal CTB Release Site (**NAPP2319132381**).

The Remediation Work Plan (Work Plan) was prepared by Ensolum on behalf of ConocoPhillips and submitted to NMOCD on August 28, 2023. The Work Plan described the results of the release assessment and provided characterization of the impact at the site. The Work Plan was approved by the NMOCD on Tuesday, November 28, 2023, with the following comment:

- *Remediation plan approved as written. Remediation Due date updated to February 26, 2024..*

Tetra Tech, on behalf of COP, submitted the NMOCD-approved Remediation Work Plan via email to the Bureau of Land Management (BLM) on February 6, 2024. The Work Plan was approved via email by Ms. Shelly Taylor, Environmental Protection Specialist.

Tetra Tech is currently preparing for remedial action at the project site. Recent safety incidents in the Permian Basin have precipitated additional policies and procedures regarding overhead and subsurface utilities and remedial action to be performed in the vicinity of said utilities. These policies and procedures require additional permitting and planning in order to safely and successfully complete remedial work in heavily congested areas such as the King Tut CTB. Please see attached the figure indicating known utilities within the release footprint, which precipitate the need for additional time and preparation. Worker safety is of paramount importance to ConocoPhillips and a remediation in an area such as this cannot be rushed. Thus additional time is required to ensure the safety of field personnel and to eliminate any possible additional unwanted impacts to the environment resulting from an unplanned incident. Remedial activities are currently scheduled to begin second week of June.

Once the remedial activities are complete, and confirmation sampling data is collected, tabulated, and evaluated, a closure report will be submitted to the OCD.

Please let me know if you have any questions or concerns.

Thank you in advance.

Nicholas

**Nicholas Poole, GIT** | Project Manager & Office Health & Safety Representative  
Mobile +1 (512) 560-9064 | [nicholas.poole@tetrattech.com](mailto:nicholas.poole@tetrattech.com)

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**From:** [Velez, Nelson, EMNRD](#)  
**To:** [Llull, Christian](#)  
**Cc:** [Poole, Nicholas](#); [Bratcher, Michael, EMNRD](#)  
**Subject:** Re: [EXTERNAL] Extension Request - NAPP2319132381 (King Tut Federal CTB )  
**Date:** Monday, August 26, 2024 2:23:53 PM  
**Attachments:** [image007.png](#)  
[image008.png](#)  
[image009.png](#)  
[image010.png](#)  
[image011.png](#)  
[Outlook-53zy3mmu.png](#)

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Good afternoon Christian,

Your 60-day time extension is approved. Remediation Due date has been updated to October 25, 2024. OCD expects COP to furnish its appropriate or final remediation closure report by this date.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

**Nelson Velez** • Environmental Specialist - Adv  
Environmental Bureau | EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87410  
(505) 469-6146 | [nelson.velez@emnrd.nm.gov](mailto:nelson.velez@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/ocd>



---

**From:** Llull, Christian <Christian.Llull@tetrattech.com>  
**Sent:** Monday, August 26, 2024 12:23 PM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Cc:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Poole, Nicholas <NICHOLAS.POOLE@tetrattech.com>  
**Subject:** [EXTERNAL] Extension Request - NAPP2319132381 (King Tut Federal CTB )

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clicking on links or opening attachments.

Mr. Velez,

On behalf of ConocoPhillips, Tetra Tech is requesting a 60-day extension (until October 25, 2024) to complete remedial activities and associated reporting for the King Tut Federal CTB Release Site (NAPP2319132381).

The Remediation Work Plan (Work Plan) was prepared by Ensolum on behalf of ConocoPhillips and submitted to NMOCD on August 28, 2023. The Work Plan described the results of the release assessment and provided characterization of the impact at the site. The Work Plan was approved by the NMOCD on Tuesday, November 28, 2023, with the following comment:

- Remediation plan approved as written. Remediation Due date updated to February 26, 2024.

Tetra Tech, on behalf of COP, submitted the NMOCD-approved Remediation Work Plan via email to the Bureau of Land Management (BLM) on February 6, 2024.

The Work Plan was approved via email by Ms. Shelly Taylor, Environmental Protection Specialist.

A 90-day time extension request was approved by NMOCD and the associated remediation due date was updated to May 28, 2024.

An additional 90-day time extension was requested based on the and approved and the Remediation Due date was updated to August 26, 2024.

Based on these extensions, the additional policies and procedures regarding overhead and subsurface utilities and work in the vicinity of said utilities were permitted and planned for the remedial action proposed.

The additional time previously allowed by NMOCD has helped to ensure the safety of field personnel and will help to prevent additional unwanted impacts to the environment resulting from an unplanned incident.

Of particular importance to COP was Hydrovac operations near Live Electrical Lines.

The additional time request has allowed personnel to be familiarized with the specialized techniques, work practices and equipment to work safely while using hydrovac equipment in the vicinity of underground electrical lines/cables and preparation is complete.

**Tetra Tech is currently planning to initiate remedial action at the project site, commencing next week, on September 5, 2024.**

Work will begin with hydrovac of utilities in the field which is a crucial element of the remedy. Work is forecasted to take two weeks in the field.

Once the remedial activities are complete, and confirmation sampling data is collected, tabulated, and evaluated, a closure report will be submitted to the OCD within the requested timeframe.

Please let me know if you have any questions or concerns.

Thank you in advance.

**Christian Llull, P.G.** | Program Manager

Mobile +1 (512) 565-0190 | [christian.llull@tetrattech.com](mailto:christian.llull@tetrattech.com)

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

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**From:** [Taylor, Shelly J](#)  
**To:** [Lull, Christian](#)  
**Subject:** Re: [EXTERNAL] Fwd: KING TUT FEDERAL #1 CTB Release - NAPP2319132381- Remediation Work Plan  
**Date:** Friday, June 21, 2024 5:07:17 PM  
**Attachments:** [image006.png](#)  
[image007.png](#)  
[image008.png](#)  
[image009.png](#)  
[image010.png](#)  
[Outlook-hy5lre3y.png](#)

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

BLM accepts your remediation proposal as written.

Respectfully,

*Shelly J Taylor*

Assistant Field Manager  
Lands & Minerals - Acting

Bureau of Land Management  
Pecos District/Roswell Field Office  
2909 W 2<sup>nd</sup> St  
Roswell, NM 88201

Direct 575.627.0250  
Mobile 575.200.0614  
[sjtaylor@blm.gov](mailto:sjtaylor@blm.gov)



---

**From:** Lull, Christian <Christian.Lull@tetrattech.com>  
**Sent:** Friday, June 21, 2024 7:51 AM  
**To:** Taylor, Shelly J <sjtaylor@blm.gov>  
**Subject:** [EXTERNAL] Fwd: KING TUT FEDERAL #1 CTB Release - NAPP2319132381- Remediation Work Plan

**This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.**

Bumping this for review.

Christian

**From:** Llull, Christian <Christian.Llull@tetrattech.com>  
**Sent:** Tuesday, February 6, 2024 10:50 AM  
**To:** Taylor, Shelly J <sjtaylor@blm.gov>  
**Cc:** Poole, Nicholas <NICHOLAS.POOLE@tetrattech.com>  
**Subject:** KING TUT FEDERAL #1 CTB Release - NAPP2319132381- Remediation Work Plan

Shelly:

Attached for your review is the Remediation Work Plan for the King Tut Federal #1 Central Tank Battery Release - **NAPP2319132381. (DOR 6/21/2023).**

- *This WP has been approved by NMOCD.*

**King Tut Federal #1 Central Tank Battery**

**Lea County, NM**

**GPS Coordinates: 32.194771°, -103.719441°**

**Incident ID: NAPP2319132381**

**BACKGROUND:**

- According to the Form C-141, the release was discovered on June 21, 2023.
  - The release consisted of 158.54 bbls of produced water, of which 70 bbls were recovered.
  - The cause of the release was noted as a hole that developed in a flex line due to corrosion.
- Ensolum conducted a site assessment in June 2023.
  - Soil samples were collected from seven (7) locations within the extent of the release and seven (7) locations along the perimeter of the extent.
  - A total of twenty-one (21) soil samples were collected from the fourteen (14) sampling locations and submitted to Eurofins in Midland, Texas for analysis.
  - Analytical results were above the reclamation limit for chloride (600 mg/kg) in surface (0-4 feet bgs) soils at six (6) of the sampling locations (SS01, SS02, BH01 through BH03 and BH05).
- A Delineation Workplan was prepared by Ensolum on the results of the 2023 Ensolum assessment activities.
  - A copy of the NMOCD approved remediation proposal is attached.
  - A copy of the approval email from November 28, 2023, could not be located.

**WORK PLAN:**

Based on the analytical results from the Ensolum assessment and OCD approved Work Plan, impacted material within the release extent is proposed to be removed to a maximum depth of 4'.

- The total proposed volume to be removed and disposed of is 1,110 cubic yards.
- Confirmation floor samples and confirmation sidewall samples will be collected for verification of remedial activities.
  - Confirmation sidewall and floor samples will be representative of no more than



approximately 400 square feet of excavated area.

- Once acceptable confirmation sample results are received the excavation will then be backfilled with clean material to surface grade.
- The seed mixture for LPC Sand/Shinnery Sites will be used for seeding.
- Remediation activities at the Site are proposed to begin within **90** days.

Let me know what you think,

Christian

**Christian Llull, P.G.** | Program Manager

Mobile +1 (512) 565-0190 | [christian.llull@tetrattech.com](mailto:christian.llull@tetrattech.com)

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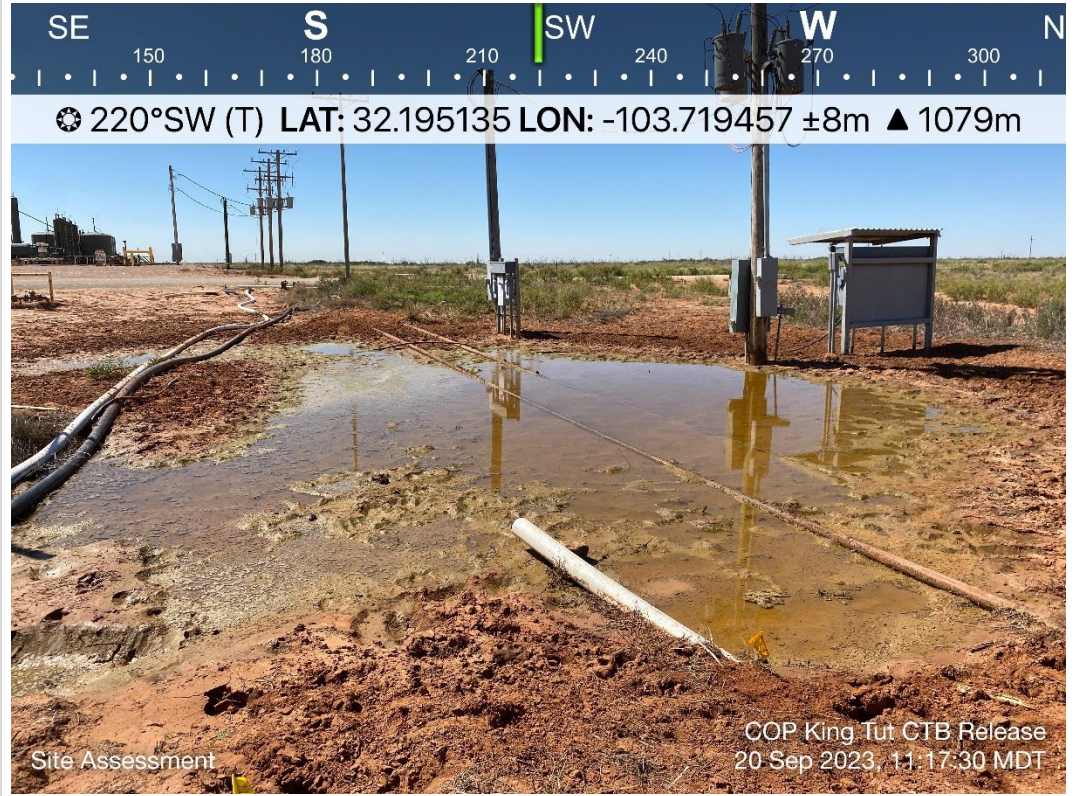


## **APPENDIX D**

# **Photographic Documentation**



TETRA TECH, INC. PROJECT NO. 212C-MD-03225	DESCRIPTION	View north-northeast of site signage. King Tut Federal CTB.	1
	SITE NAME	KING TUT FEDERAL #1 RELEASE	10/1/2024

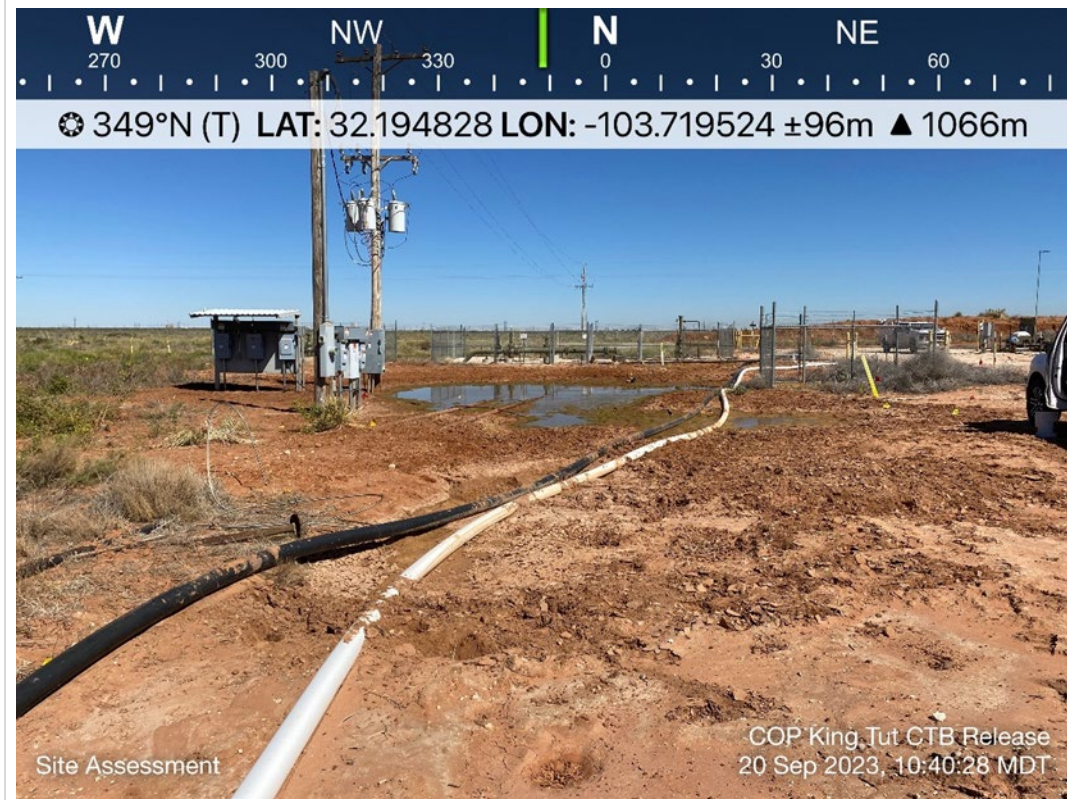


TETRA TECH, INC. PROJECT NO. 212C-MD-03225	DESCRIPTION	View southwest. Surface lines, overhead electrical, surface steel lines, and water retention post-rain event.	3
	SITE NAME	KING TUT FEDERAL #1 RELEASE	9/20/2023



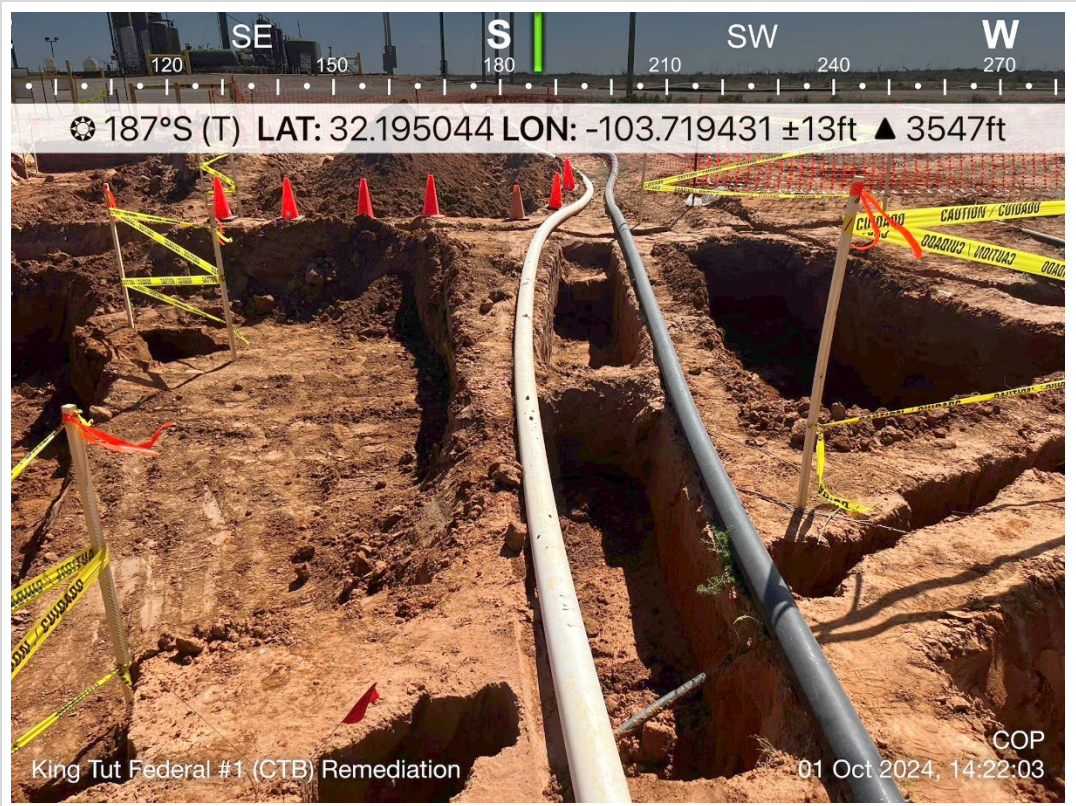


TETRA TECH, INC. PROJECT NO. 212C-MD-03225	DESCRIPTION	View east, northeast corner of release extent. Adjacent tank battery, surface polylines.	4
	SITE NAME	KING TUT FEDERAL #1 RELEASE	9/20/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03225	DESCRIPTION	View north from release point. Surface lines, overhead electrical, and water retention post rain event.	5
	SITE NAME	KING TUT FEDERAL #1 RELEASE	9/20/2023





TETRA TECH, INC. PROJECT NO. 212C-MD-03225	DESCRIPTION	View South. Subsurface utility markings during excavation progress.	6
	SITE NAME	KING TUT FEDERAL #1 RELEASE	10/1/2024

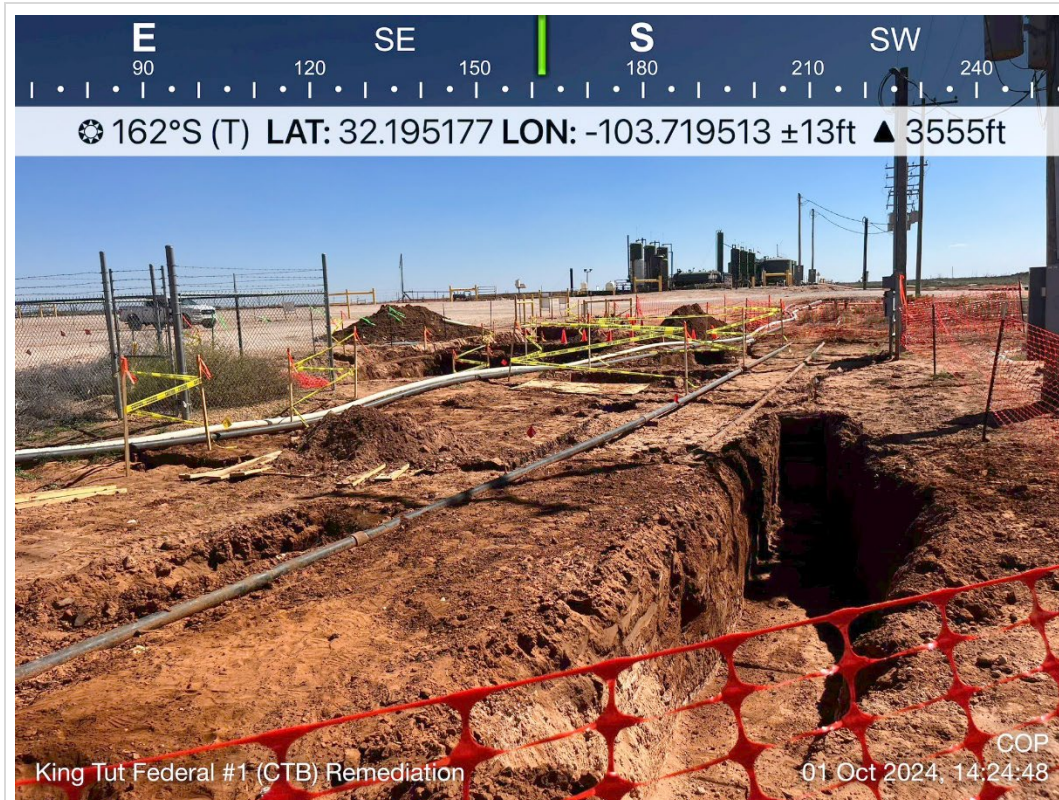


TETRA TECH, INC. PROJECT NO. 212C-MD-03225	DESCRIPTION	View North. Subsurface utility markings during excavation progress.	7
	SITE NAME	KING TUT FEDERAL #1 RELEASE	10/1/2024



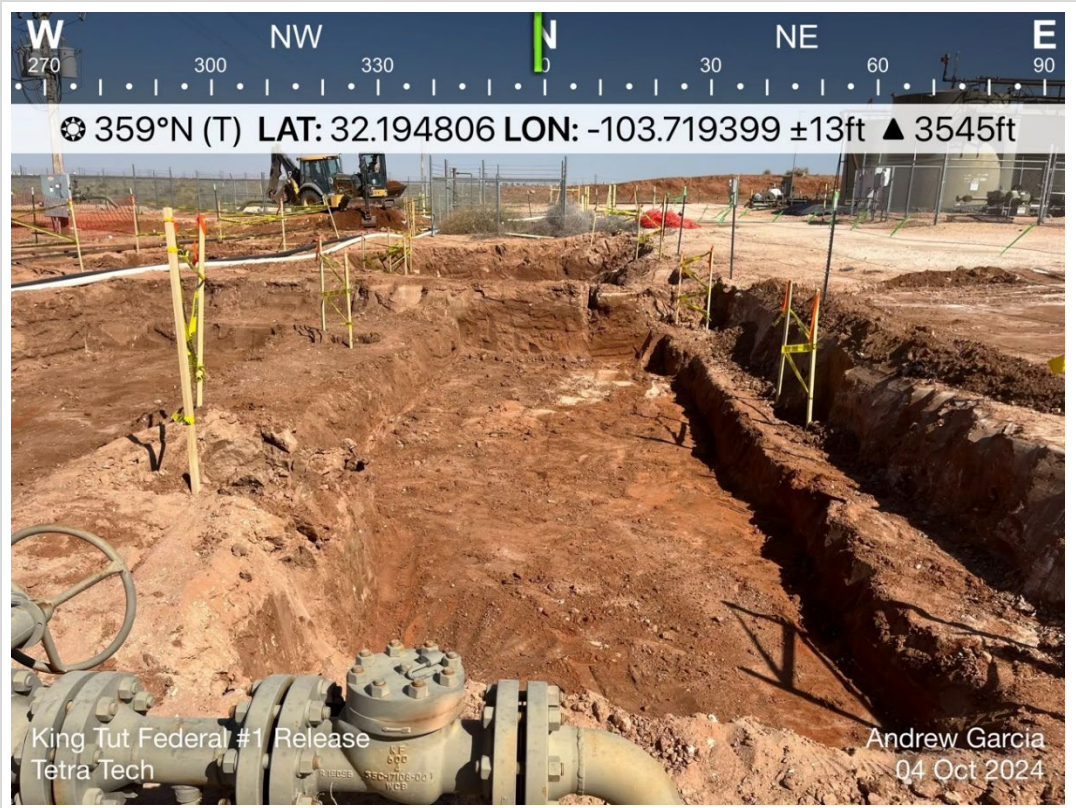


TETRA TECH, INC. PROJECT NO. 212C-MD-03225	DESCRIPTION	View west-southwest. Subsurface utility markings during excavation progress.	8
	SITE NAME	KING TUT FEDERAL #1 RELEASE	10/1/2024

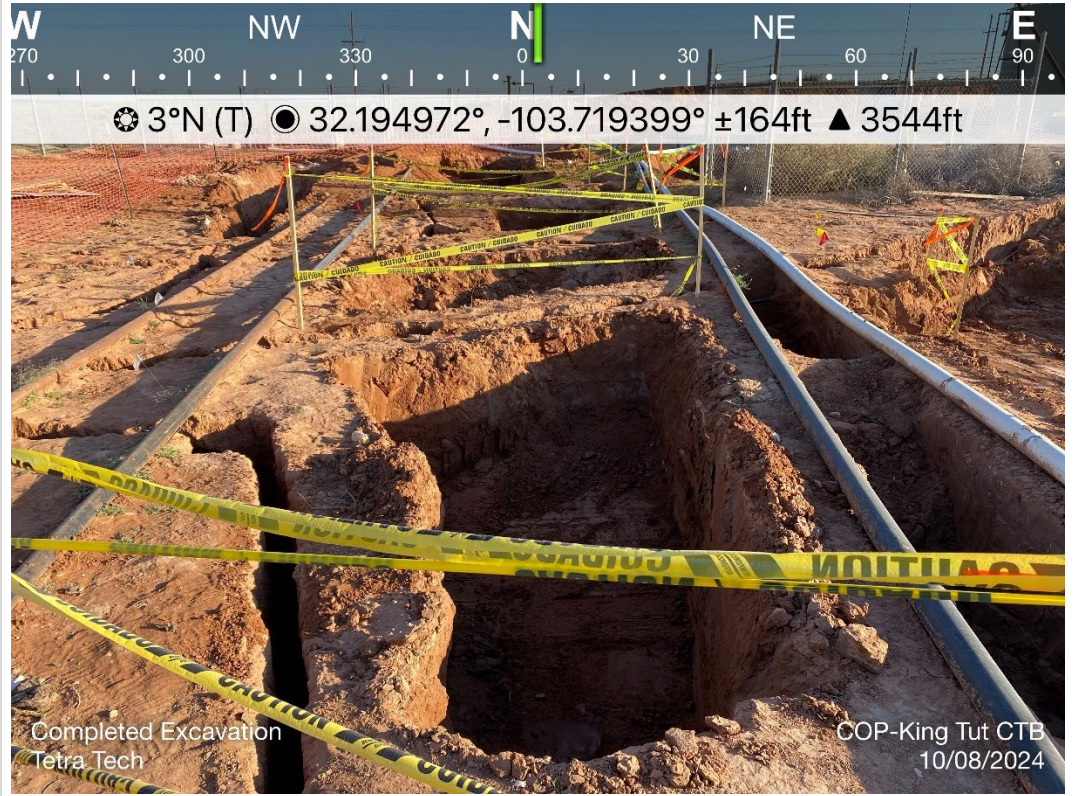


TETRA TECH, INC. PROJECT NO. 212C-MD-03225	DESCRIPTION	View south-southeast. Subsurface utility markings during excavation progress.	8
	SITE NAME	KING TUT FEDERAL #1 RELEASE	10/1/2024



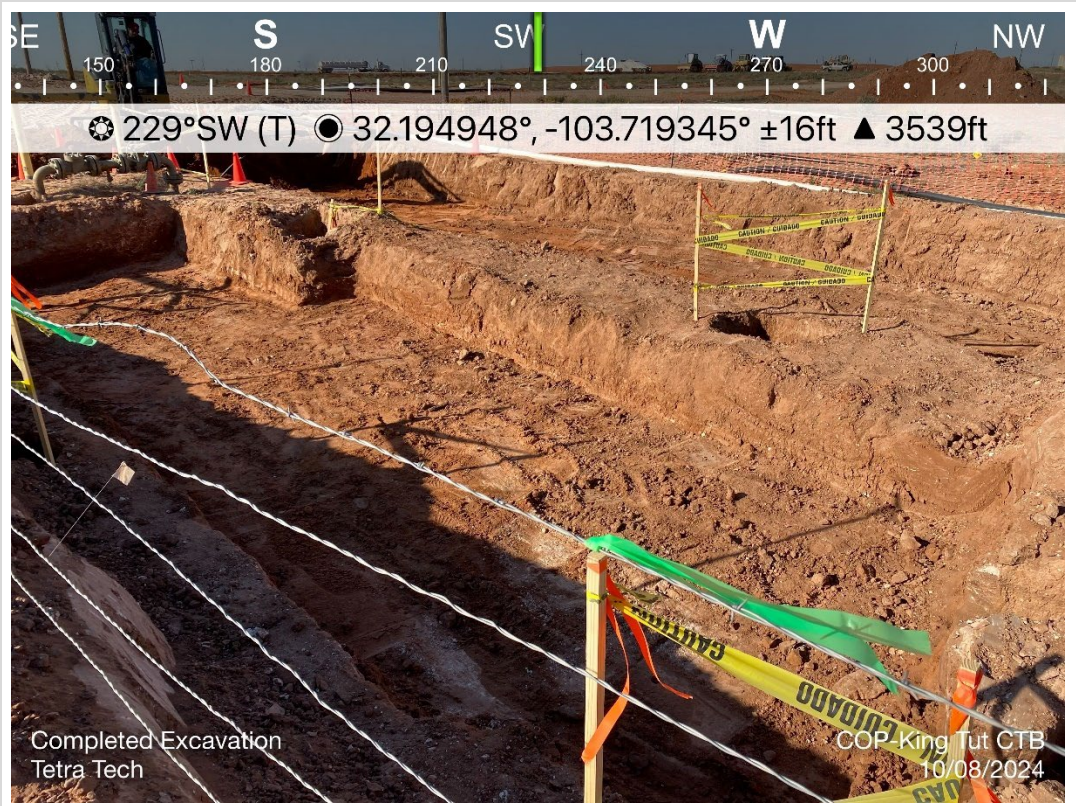


TETRA TECH, INC. PROJECT NO. 212C-MD-03225	DESCRIPTION	View North. Subsurface utility markings during excavation progress.	9
	SITE NAME	KING TUT FEDERAL #1 RELEASE	10/4/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03225	DESCRIPTION	View north. Subsurface utility markings of completed excavation.	10
	SITE NAME	KING TUT FEDERAL #1 RELEASE	10/8/2024





TETRA TECH, INC. PROJECT NO. 212C-MD-03225	DESCRIPTION	View southwest. Subsurface utility markings of completed excavation.	11
	SITE NAME	KING TUT FEDERAL #1 RELEASE	10/8/2024

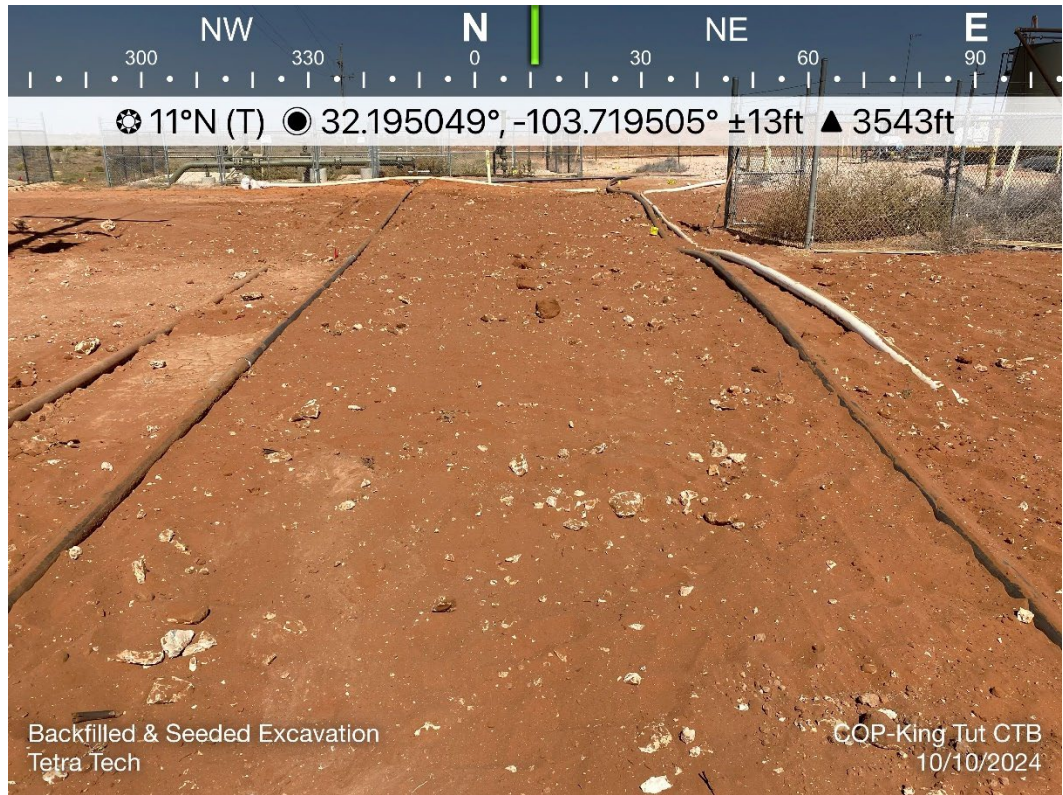


TETRA TECH, INC. PROJECT NO. 212C-MD-03225	DESCRIPTION	View northeast. Subsurface utility markings of completed excavation.	12
	SITE NAME	KING TUT FEDERAL #1 RELEASE	10/8/2024





TETRA TECH, INC. PROJECT NO. 212C-MD-03225	DESCRIPTION	View north of backfilled and seeded excavation.	13
	SITE NAME	KING TUT FEDERAL #1 RELEASE	10/10/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03225	DESCRIPTION	View north-northeast of backfilled and seeded excavation.	14
	SITE NAME	KING TUT FEDERAL #1 RELEASE	10/10/2024





TETRA TECH, INC. PROJECT NO. 212C-MD-03225	DESCRIPTION	View south-southeast of backfilled and seeded excavation.	15
	SITE NAME	KING TUT FEDERAL #1 RELEASE	10/10/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03225	DESCRIPTION	View south of backfilled and seeded excavation.	16
	SITE NAME	KING TUT FEDERAL #1 RELEASE	10/10/2024



## **APPENDIX E**

### **Laboratory Analytical Data**



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

March 27, 2024

SAM ABBOTT

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: TWIN WELLS BUCKTHORN PIT ( BACKFILL SOURCE )

Enclosed are the results of analyses for samples received by the laboratory on 03/26/24 15:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/26/2024	Sampling Date:	03/26/2024
Reported:	03/27/2024	Sampling Type:	Soil
Project Name:	TWIN WELLS BUCKTHORN PIT ( BACKFI	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02999A	Sample Received By:	Tamara Oldaker
Project Location:	COP- LEA CO NM		

**Sample ID: BACKFILL - COMPOSITE (H241559-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2024	ND	2.24	112	2.00	0.883	
Toluene*	<0.050	0.050	03/26/2024	ND	2.19	109	2.00	0.961	
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.14	107	2.00	1.01	
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.23	104	6.00	1.07	
Total BTEX	<0.300	0.300	03/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/27/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2024	ND	226	113	200	0.713	
DRO >C10-C28*	<10.0	10.0	03/26/2024	ND	220	110	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	03/26/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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

---

### Notes and Definitions

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

---

Cardinal Laboratories

\*=Accredited Analyte

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

---

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

[illegible]



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

---

September 27, 2024

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: KING TUT FEDERAL #1 CTB/PASTURE FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 09/26/24 14:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 CTB/PASTURE FI	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

**Sample ID: FS - 1 (H245865-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	1.88	94.1	2.00	0.721		
Toluene*	<0.050	0.050	09/26/2024	ND	1.86	93.2	2.00	0.208		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.94	97.1	2.00	0.234		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.80	96.6	6.00	0.193		
Total BTEX	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5460	16.0	09/27/2024	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	09/27/2024	ND	206	103	200	0.499	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	216	108	200	0.122	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 CTB/PASTURE FI	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

**Sample ID: FS - 4 (H245865-02)**

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	09/26/2024	ND	1.88	94.1	2.00	0.721		
Toluene*	<0.050	0.050	09/26/2024	ND	1.86	93.2	2.00	0.208		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.94	97.1	2.00	0.234		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.80	96.6	6.00	0.193		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2320	16.0	09/27/2024	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	09/27/2024	ND	206	103	200	0.499	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	216	108	200	0.122	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 CTB/PASTURE FI	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

**Sample ID: FS - 5 (H245865-03)**

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	09/26/2024	ND	1.88	94.1	2.00	0.721		
Toluene*	<0.050	0.050	09/26/2024	ND	1.86	93.2	2.00	0.208		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.94	97.1	2.00	0.234		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.80	96.6	6.00	0.193		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	09/27/2024	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	09/27/2024	ND	206	103	200	0.499	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	216	108	200	0.122	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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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:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 CTB/PASTURE FI	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

**Sample ID: FS - 7 (H245865-04)**

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	09/26/2024	ND	1.88	94.1	2.00	0.721		
Toluene*	<0.050	0.050	09/26/2024	ND	1.86	93.2	2.00	0.208		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.94	97.1	2.00	0.234		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.80	96.6	6.00	0.193		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	09/27/2024	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	09/27/2024	ND	206	103	200	0.499	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	216	108	200	0.122	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 CTB/PASTURE FI	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

**Sample ID: FS - 9 (H245865-05)**

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	09/26/2024	ND	1.88	94.1	2.00	0.721		
Toluene*	<0.050	0.050	09/26/2024	ND	1.86	93.2	2.00	0.208		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.94	97.1	2.00	0.234		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.80	96.6	6.00	0.193		
Total BTEX	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	09/27/2024	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	09/27/2024	ND	206	103	200	0.499	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	216	108	200	0.122	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 CTB/PASTURE FI	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

**Sample ID: ESW - 1 (H245865-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	1.88	94.1	2.00	0.721		
Toluene*	<0.050	0.050	09/26/2024	ND	1.86	93.2	2.00	0.208		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.94	97.1	2.00	0.234		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.80	96.6	6.00	0.193		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	09/27/2024	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	09/26/2024	ND	217	109	200	0.330	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	218	109	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 CTB/PASTURE FI	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

**Sample ID: ESW - 2 (H245865-07)**

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	09/26/2024	ND	1.88	94.1	2.00	0.721		
Toluene*	<0.050	0.050	09/26/2024	ND	1.86	93.2	2.00	0.208		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.94	97.1	2.00	0.234		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.80	96.6	6.00	0.193		
Total BTX	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	09/27/2024	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	09/27/2024	ND	217	109	200	0.330	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	218	109	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 CTB/PASTURE FI	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

**Sample ID: ESW - 3 (H245865-08)**

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	09/26/2024	ND	1.88	94.1	2.00	0.721		
Toluene*	<0.050	0.050	09/26/2024	ND	1.86	93.2	2.00	0.208		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.94	97.1	2.00	0.234		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.80	96.6	6.00	0.193		
Total BTEX	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/27/2024	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	09/27/2024	ND	217	109	200	0.330	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	218	109	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 CTB/PASTURE FI	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

**Sample ID: NSW - 1 (H245865-09)**

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	09/26/2024	ND	1.88	94.1	2.00	0.721		
Toluene*	<0.050	0.050	09/26/2024	ND	1.86	93.2	2.00	0.208		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.94	97.1	2.00	0.234		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.80	96.6	6.00	0.193		
Total BTEX	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/27/2024	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	09/27/2024	ND	217	109	200	0.330	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	218	109	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 CTB/PASTURE FI	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

**Sample ID: WSW - 1 (H245865-10)**

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	09/26/2024	ND	1.88	94.1	2.00	0.721		
Toluene*	<0.050	0.050	09/26/2024	ND	1.86	93.2	2.00	0.208		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.94	97.1	2.00	0.234		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.80	96.6	6.00	0.193		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/27/2024	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	09/27/2024	ND	217	109	200	0.330	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	218	109	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/26/2024	Sampling Date:	09/26/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 CTB/PASTURE FI	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

**Sample ID: WSW - 2 (H245865-11)**

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	09/26/2024	ND	1.88	94.1	2.00	0.721		
Toluene*	<0.050	0.050	09/26/2024	ND	1.86	93.2	2.00	0.208		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.94	97.1	2.00	0.234		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.80	96.6	6.00	0.193		
Total BTEX	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/27/2024	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	09/27/2024	ND	217	109	200	0.330	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	218	109	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Tetra Tech

Project Manager: Christian Lull

Address: 8911 Capital Of Texas Hwy, Suite 2310

City: Austin

Phone #: (512) 565-0190 Fax #: State: TX Zip:

Project #: 212C-MD-03225 Project Owner: ConocoPhillips

Project Name: King Tut Federal #1 CTB/Pasture Flowline Release

Project Location: Lea County, New Mexico

Sampler Name: Colton Bickerstaff

Lab I.D.

Sample I.D.

Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX						PRESERV.	DATE	TIME	ANALYSIS REQUEST									
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :				TPH 8015M	BTEX 8021B	Chloride SM4500Cl-B							
1 FS-1	C	1	X								9/26/2024	11:30	X	X	X						
2 FS-4	C	1	X								9/26/2024	11:35	X	X	X						
3 FS-5	C	1	X								9/26/2024	11:40	X	X	X						
4 FS-7	C	1	X								9/26/2024	11:45	X	X	X						
5 FS-9	C	1	X								9/26/2024	11:55	X	X	X						
6 ESW-1	C	1	X								9/26/2024	12:30	X	X	X						
7 ESW-2	C	1	X								9/26/2024	12:40	X	X	X						
8 ESW-3	C	1	X								9/26/2024	12:50	X	X	X						
9 NSW-1	C	1	X								9/26/2024	13:00	X	X	X						
10 WSW-1	C	1	X								9/26/2024	13:15	X	X	X						

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Relinquished By: Colton Bickerstaff	Date: 09/26/24	Received By: Will Emdenson	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: [Signature]	Date: 09/26/24	Received By: [Signature]	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C: 83.2 Corrected Temp. °C: 87.2	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Turnaround Time: Standard <input type="checkbox"/> Expedited <input type="checkbox"/> Result: YES, 24hr TAT	Thermometer ID #140 Correction Factor °C -0.002
FORM-006 R.3.2 10/07/21				

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



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]



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

October 03, 2024

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: KING TUT FEDERAL #1 CTB/PASTURE FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 10/02/24 16:14.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	10/02/2024	Sampling Date:	10/02/2024
Reported:	10/03/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 CTB/PASTURE FI	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

**Sample ID: FS - 8 ( 4' ) (H245994-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/03/2024	ND	1.91	95.7	2.00	5.57		
Toluene*	<0.050	0.050	10/03/2024	ND	1.99	99.7	2.00	4.00		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.02	101	2.00	3.01		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.03	100	6.00	2.97		
Total BTEX	<0.300	0.300	10/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	10/03/2024	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	10/02/2024	ND	187	93.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	186	92.9	200	3.60	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	10/02/2024	Sampling Date:	10/02/2024
Reported:	10/03/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 CTB/PASTURE FI	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

**Sample ID: FS - 10 ( 4' ) (H245994-02)**

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	10/03/2024	ND	1.91	95.7	2.00	5.57		
Toluene*	<0.050	0.050	10/03/2024	ND	1.99	99.7	2.00	4.00		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.02	101	2.00	3.01		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.03	100	6.00	2.97		
Total BTEX	<0.300	0.300	10/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/03/2024	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	10/02/2024	ND	187	93.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	186	92.9	200	3.60	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/02/2024	Sampling Date:	10/02/2024
Reported:	10/03/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 CTB/PASTURE FI	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

**Sample ID: FS - 11 ( 4' ) (H245994-03)**

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	10/03/2024	ND	1.91	95.7	2.00	5.57		
Toluene*	<0.050	0.050	10/03/2024	ND	1.99	99.7	2.00	4.00		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.02	101	2.00	3.01		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.03	100	6.00	2.97		
Total BTEX	<0.300	0.300	10/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1520	16.0	10/03/2024	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	10/02/2024	ND	187	93.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	186	92.9	200	3.60	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/02/2024	Sampling Date:	10/02/2024
Reported:	10/03/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 CTB/PASTURE FI	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

**Sample ID: FS - 12 ( 4' ) (H245994-04)**

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	10/03/2024	ND	1.91	95.7	2.00	5.57		
Toluene*	<0.050	0.050	10/03/2024	ND	1.99	99.7	2.00	4.00		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.02	101	2.00	3.01		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.03	100	6.00	2.97		
Total BTEX	<0.300	0.300	10/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	10/03/2024	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	10/02/2024	ND	187	93.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	186	92.9	200	3.60	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	10/02/2024	Sampling Date:	10/02/2024
Reported:	10/03/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 CTB/PASTURE FI	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

**Sample ID: FS - 13 ( 4' ) (H245994-05)**

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	10/03/2024	ND	1.91	95.7	2.00	5.57		
Toluene*	<0.050	0.050	10/03/2024	ND	1.99	99.7	2.00	4.00		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.02	101	2.00	3.01		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.03	100	6.00	2.97		
Total BTEX	<0.300	0.300	10/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/03/2024	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	10/03/2024	ND	187	93.4	200	2.01	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	186	92.9	200	3.60	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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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:	10/02/2024	Sampling Date:	10/02/2024
Reported:	10/03/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 CTB/PASTURE FI	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

**Sample ID: WSW - 3 (H245994-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/03/2024	ND	1.91	95.7	2.00	5.57		
Toluene*	<0.050	0.050	10/03/2024	ND	1.99	99.7	2.00	4.00		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.02	101	2.00	3.01		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.03	100	6.00	2.97		
Total BTEX	<0.300	0.300	10/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/03/2024	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	10/03/2024	ND	187	93.4	200	2.01		
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	186	92.9	200	3.60		
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND						

Surrogate: 1-Chlorooctane 132 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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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

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### Notes and Definitions

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

---

Cardinal Laboratories

\*=Accredited Analyte

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

---

Celey D. Keene, Lab Director/Quality Manager



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

---

October 04, 2024

NICHOLAS POOLE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: KING TUT FEDERAL #1 CTB/PASTURE FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 10/03/24 16:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	10/03/2024	Sampling Date:	10/03/2024
Reported:	10/04/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 CTB/PASTURE FI	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NEW MEXICO		

**Sample ID: FS - 2 (H246040-01)**

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	10/04/2024	ND	1.46	72.9	2.00	6.83	
Toluene*	<0.050	0.050	10/04/2024	ND	1.41	70.3	2.00	7.19	
Ethylbenzene*	<0.050	0.050	10/04/2024	ND	1.44	71.9	2.00	7.89	
Total Xylenes*	<0.150	0.150	10/04/2024	ND	4.28	71.3	6.00	7.24	
Total BTX	<0.300	0.300	10/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	10/04/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	207	104	200	2.15	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	199	99.6	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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

---

### Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 4



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

---

October 04, 2024

NICHOLAS POOLE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: KING TUT FEDERAL #1 (CTB)

Enclosed are the results of analyses for samples received by the laboratory on 10/03/24 16:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	10/03/2024	Sampling Date:	10/03/2024
Reported:	10/04/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 (CTB)	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

**Sample ID: FS - 3 (H246041-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/04/2024	ND	1.46	72.9	2.00	6.83		
Toluene*	<0.050	0.050	10/04/2024	ND	1.41	70.3	2.00	7.19		
Ethylbenzene*	<0.050	0.050	10/04/2024	ND	1.44	71.9	2.00	7.89		
Total Xylenes*	<0.150	0.150	10/04/2024	ND	4.28	71.3	6.00	7.24		
Total BTEX	<0.300	0.300	10/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/04/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	207	104	200	2.15	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	199	99.6	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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

Received:	10/03/2024	Sampling Date:	10/03/2024
Reported:	10/04/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 (CTB)	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

**Sample ID: FS - 6 (H246041-02)**

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	10/04/2024	ND	1.46	72.9	2.00	6.83		
Toluene*	<0.050	0.050	10/04/2024	ND	1.41	70.3	2.00	7.19		
Ethylbenzene*	<0.050	0.050	10/04/2024	ND	1.44	71.9	2.00	7.89		
Total Xylenes*	<0.150	0.150	10/04/2024	ND	4.28	71.3	6.00	7.24		
Total BTEX	<0.300	0.300	10/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1180	16.0	10/04/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2024	ND	198	99.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	10/04/2024	ND	193	96.7	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	10/04/2024	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.5 % 49.1-148

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

Received:	10/03/2024	Sampling Date:	10/03/2024
Reported:	10/04/2024	Sampling Type:	Soil
Project Name:	KING TUT FEDERAL #1 (CTB)	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03225	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

**Sample ID: SSW - 1 (H246041-03)**

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	10/04/2024	ND	1.46	72.9	2.00	6.83		
Toluene*	<0.050	0.050	10/04/2024	ND	1.41	70.3	2.00	7.19		
Ethylbenzene*	<0.050	0.050	10/04/2024	ND	1.44	71.9	2.00	7.89		
Total Xylenes*	<0.150	0.150	10/04/2024	ND	4.28	71.3	6.00	7.24		
Total BTEx	<0.300	0.300	10/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/04/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2024	ND	198	99.1	200	1.96	
DRO >C10-C28*	<10.0	10.0	10/04/2024	ND	193	96.7	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	10/04/2024	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.5 % 49.1-148

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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

---

### Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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

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

---

Celey D. Keene, Lab Director/Quality Manager





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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

**Company Name:** Tetra Tech - Canoco Phillips

**Project Manager:** Nicholas, Paul

**Address:**

**City:** State: Zip:

**Phone #:** Fax #:

**Project #:** 212C-MO-03225 Project Owner:

**Project Name:** King Tut Federal #1 (CTB)

**Project Location:** Lea Co, NM

**Sampler Name:** Andrew Garcia

**P.O. #:**

**Company:** TetraTech

**Attn:** Nicholas Poole

**Address:**

**City:** State: Zip:

**Phone #:** Fax #:

**FOR LAB USE ONLY**

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV	SAMPLING	TPH	BTEX	Chlorides		
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
11040046	FS-3		1			X					2024	10/03	1045	X	X	X
3	FS-6		1									1100		X		
	SSW-1											1130				

**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 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 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:** Andrew Garcia

**Date:** 10/03/24

**Time:** 10:04

**Received By:** AP

**Verbal Result:** ☐ Yes ☐ No ☐ Add'l Phone #:

**REMARKS:** Ueberth. Chavira e TetraTech.com

**Turnaround Time:** Standard ☐ Rush ☒ Add'l Phone #:

**Thermometer ID #140** **Correction Factor -0.6°C** **24 HR TAT**

**Bacteria (only) Sample Condition** **Cool Intact** **Observed Temp. °C** **Corrected Temp. °C**

## **APPENDIX F**

### **Waste Manifests**



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## -----WASTE TICKET-----

Ticket # 273629

Start: 09/27/2024 09:15 AM

End: 09/27/2024 09:22 AM

By: DWL, Ivan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: McNabb Partners				
Driver: Victoria Herdia				
Lease: King Tut Fed				
Well: 001				
AFE #: N/A				
County, State: LEA (NM)				
API #: 3002541542				
Client Company Man: Ika Tavarez				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
UOM: CuYd				
UOM Count: 14				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00

17	0.0 lbs	\$0.01	\$0.13
SUBTOTAL --->			\$0.13
TAX --->			\$0.01
ROUNDING --->			\$0.00
TOTAL --->			\$0.14

Date	Type	Amount
	CASH	\$0.14

Customer: ConocoPhillips Company  
Driver: Karen Work

UH



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ----WASTE TICKET----

Ticket # 273632

Start: 09/27/2024 09:38 AM

End: 09/27/2024 09:42 AM

By: owl.jayden

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
18	0	18	\$0.01	\$0.18
Hauler: McNabb Driver: Jesus Fernandez Lease: King Tut Fed Well: 001 AFE #: N/A County, State: LEA (NM) API #: 3002541542 Client Company Man: Ika Tavarez Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: End Dump UOM: CuYd UOM Count: 18 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
22	0.0 lbs		\$0.01	\$0.18
SUBTOTAL --->				\$0.18
TAX --->				\$0.01
ROUNDING --->				\$0.00
TOTAL --->				\$0.19

Date	Type	Amount
	CASH	\$0.19

Customer: ConocoPhillips Company  
Driver: Karen Work





Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 273631  
Start: 09/27/2024 09:32 AM  
End: 09/27/2024 09:38 AM  
By: owl.amy

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: McNabb Partners Driver: Victor Manzano Lease: King Tut Federal Well: 001H AFE #: N/A County, State: LEA (NM) API #: 3002541542 Manifest #: 10 Client Company Man: Ike Tavarez Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck UOM: CuYd UOM Count: 13 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
17	0.0 lbs		\$0.01	\$0.13
SUBTOTAL ---->				\$0.13
TAX ---->				\$0.01
ROUNDING ---->				\$0.00
TOTAL ---->				\$0.14

Date	Type	Amount
	CASH	\$0.14

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

---WASTE TICKET---

Ticket # 273635

Start:09/27/2024 09:51 AM

End:09/27/2024 09:57 AM

By:owl.amy

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: McNabb Partners				
Driver: Joel Von B				
Lease: King Tut Federal				
Well: 001H				
AFE #: N/A				
County, State: LEA (NM)				
API #: 3002541542				
Manifest #: 11				
Client Company Man: Ike Tavarez				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
UDM: CuYd				
UDM Count: 13				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
17	0.0 lbs		\$0.01	\$0.13
SUBTOTAL ---->				\$0.13
TAX ---->				\$0.01
ROUNDING ---->				\$0.00
TOTAL ---->				\$0.14

Date	Type	Amount
	CASH	\$0.14

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 273643

Start: 09/27/2024 10:32 AM

End: 09/27/2024 10:37 AM

By: owl.jayden

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
20	0	20	\$0.01	\$0.20
Hauler: McNabb				
Driver: Victoria Herdia				
Lease: King Tut Fed				
Well: 001				
AFE #: N/A				
County, State: LEA (NM)				
API #: 3002541542				
Client Company Man: Ika Tavaréz				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
UOM: CuYd				
UOM Count: 13				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
24	0.0 lbs		\$0.01	<del>\$0.20</del> <sup>13</sup>

SUBTOTAL ---> \$0.20  
TAX ---> \$0.01  
ROUNDING ---> \$-0.00  
TOTAL ---> \$0.21

Date	Type	Amount
	CASH	\$0.21

Customer: ConocoPhillips Company  
Driver: Karen Work

VA



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ----WASTE TICKET----

Ticket # 273645  
Start: 09/27/2024 10:37 AM  
End: 09/27/2024 10:41 AM  
By: cwl.jayden

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: McNabb Driver: Victor Manzano Lease: King Tut Fed Well: 001 AFE #: N/A County, State: LEA (NM) API #: 3002541542 Client Company Man: Ika Tavarez Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck UOM: CuYd UOM Count: 13 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
17	0.0 lbs		\$0.01	\$0.13
SUBTOTAL ---->				\$0.13
TAX ---->				\$0.01
ROUNDING ---->				\$0.00
TOTAL ---->				\$0.14

Date	Type	Amount
	CASH	\$0.14

Customer: ConocoPhillips Company  
Driver: Karen Work





Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

----WASTE TICKET----

Ticket # 273654

Start: 09/27/2024 11:00 AM

End: 09/27/2024 11:02 AM

By: OWL.Ivan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
18	0	18	\$0.01	\$0.18
Hauler: McNabb Partners				
Driver: Jesus Fernandez				
Lease: King Tut Fed				
Well: 001				
AFE #: N/A				
County, State: LEA (NM)				
API #: 3002541542				
Client Company Man: Ike Tavaréz				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: End Dump				
UOM: CuYd				
UOM Count: 18				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
22		0.0 lbs	\$0.01	\$0.18
SUBTOTAL --->				\$0.18
TAX --->				\$0.01
ROUNDING --->				\$0.00
TOTAL --->				\$0.19

Date	Type	Amount
09/27/2024	CASH	\$0.19

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy

## WEIGHT TICKET

Ticket # 273655

Start: 09/27/2024 11:04 AM

End: 09/27/2024 11:14 AM

by owl.amy

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	10.01	\$0.13
Hauler: McNabb Partners				
Driver: Joel Van Busckirk				
Lease: King Tut Federal				
Well: OC14				
WFE #: N/A				
County, State: LEA (NY)				
API #: 5002541542				
Manifest #: 15				
Client Company Name: Eke Javarez				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
JCM: Durd				
JCM Count: 13				
RF Test Result: Pass				
-2S Test: Pass				
-2S Testing - PASS				
1	0	1	10.00	\$0.00
Paint Filter - PASS				
1	0	1	10.00	\$0.00
NORM - PASS				
1	0	1	10.00	\$0.00
Additional Photos				
1	0	1	10.00	\$0.00
17	0.0 lbs		10.01	\$0.13

SUBTOTAL ----&gt; \$0.13

TAX ----&gt; \$0.01

ROUNDING ----&gt; \$0.00

TOTAL ----&gt; \$0.14

Customer: ConocoPhillips Company

Driver: Karen Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ----WASTE TICKET----

Ticket # 273669

Start:09/27/2024 11:36 AM

End:09/27/2024 11:40 AM

By:owl.amy

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: McNabb Partners Driver: Victoria Heredia Lease: King Tut Federal Well: 001H AFE #: N/A County, State: LEA (NM) API #: 3002541542 Manifest #: 16 Client Company Man: Iko Tavaréz Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck UOM: CuYd UOM Count: 13 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
17	0.0 lbs		\$0.01	\$0.13
SUBTOTAL ---->				\$0.13
TAX ---->				\$0.01
ROUNDING ---->				\$0.00
TOTAL ---->				\$0.14

Date	Type	Amount
	CASH	\$0.14

Customer: ConocoPhillips Company  
Driver: Karen Work

VH



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 273672  
Start: 09/27/2024 11:46 AM  
End: 09/27/2024 11:58 AM  
By: owl.amy

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: McNabb Partners Driver: Victor Manzano Lease: King Tut Federal Well: 001H AFE #: N/A County, State: LEA (NM) API #: 3002541542 Manifest #: 17 Client Company Man: Ike Tavarez Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck UDM: CuYd UDM Count: 13 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
17		0.0 lbs	\$0.01	\$0.13
SUBTOTAL --->				\$0.13
TAX --->				\$0.01
ROUNDING --->				\$0.00
TOTAL --->				\$0.14

Date	Type	Amount
	CASH	\$0.14

Customer: ConocoPhillips Company  
Driver: Karen Work





Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ----WASTE TICKET----

Ticket # 273680

Start: 09/27/2024 12:21 PM

End: 09/27/2024 12:31 PM

By: owl.jayden

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
18	0	18	\$0.01	\$0.18
Hauler: McNabb				
Driver: Jesus Fernandez				
Lease: King Tut Fed				
Well: 001				
AFE #: N/A				
County, State: LEA (NM)				
API #: 3002541542				
Client Company Man: Ika Tavaraz				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Belly Dumps				
UOM: CuYd				
UOM Count: 18				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
22	0.0 lbs		\$0.01	\$0.18
SUBTOTAL --->				\$0.18
TAX --->				\$0.01
ROUNDING --->				\$0.00
TOTAL --->				\$0.19

Date	Type	Amount
	CASH	\$0.19

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ----WASTE TICKET----

Ticket # 273683  
Start: 09/27/2024 12:30 PM  
End: 09/27/2024 12:35 PM  
By: owl.jayden

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: McNabb Driver: Joel Van Buskirk Lease: King Tut Fed Well: 001 County, State: LEA (NM) API #: 3002541542 Client Company Man: Ike Tavaréz Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck UOM: CuYd UOM Count: 13 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
17		0.0 lbs	\$0.01	\$0.13
SUBTOTAL ---->				\$0.13
TAX ---->				\$0.01
ROUNDING ---->				\$0.00
TOTAL ---->				\$0.14

Date	Type	Amount
	CASH	\$0.14

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ----WASTE TICKET----

Ticket # 273684  
Start: 09/27/2024 12:35 PM  
End: 09/27/2024 12:40 PM  
By: owl.jayden

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: McNabb Driver: Victoria Herdia Lease: King Tut Fed Wall: 001 County, State: LEA (NM) API #: 3002541542 Client Company Man: Iko Tavaréz Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck UOM: CuYd UOM Count: 13 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
17	0.0 lbs		\$0.01	\$0.13
SUBTOTAL ---->				\$0.13
TAX ---->				\$0.01
ROUNDING ---->				\$0.00
TOTAL ---->				\$0.14

Date	Type	Amount
	CASH	\$0.14

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ----WASTE TICKET----

Ticket # 273689

Start: 09/27/2024 01:01 PM

End: 09/27/2024 01:04 PM

By: cwl.jayden

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: McNabb				
Driver: Victor Manazo				
Lease: King Tut Fed				
Well: 001				
County, State: LEA (NM)				
API #: 3002541542				
Client Company Man: Ike Tavaraz				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
UOM: CuYd				
UOM Count: 13				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
17	0.0 lbs		\$0.01	\$0.13
SUBTOTAL --->				\$0.13
TAX --->				\$0.01
ROUNDING --->				\$0.00
TOTAL --->				\$0.14

Date	Type	Amount
	CASH	\$0.14

Customer: ConocoPhillips Company  
Driver: Karen Work





Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ----WASTE TICKET----

Ticket # 274816  
Start: 10/03/2024 10:29 AM  
End: 10/03/2024 10:35 AM  
By: owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
18	0	18	\$0.01	\$0.18
Hauler: McNabb Driver: Acie Mayberry Lease: King Tut Fed Well: 001H AFE #: N/A County, State: LEA (NM) API #: 3002541542 Client Company Man: Ike Tavarez Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Belly Dumps UOM: CuYd UOM Count: 18 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
22	0.0 lbs		\$0.01	\$0.18
SUBTOTAL ---->				\$0.18
TAX ---->				\$0.01
ROUNDING ---->				\$0.00
TOTAL ---->				\$0.19

Date	Type	Amount
	CASH	\$0.19

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 274921

Start: 10/03/2024 02:34 PM

End: 10/03/2024 02:44 PM

By: owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
18	0	18	\$0.01	\$0.18
Hauler: McNabb Driver: Acie Mayberry Lease: King Tut Fed Well: 001H AFE #: N/A County, State: LEA (NM) API #: 3002541542 Client Company Man: Ike Tavaréz Rig Name & Number: N/A Truck Type: Belly Dumps UDM: CuYd UDM Count: 18 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
22	0.0 lbs		\$0.01	\$0.18
SUBTOTAL --->				\$0.18
TAX --->				\$0.01
ROUNDING --->				\$0.00
TOTAL --->				\$0.19

Date	Type	Amount
	CASH	\$0.19

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy

## WEIGHT TICKET

Ticket # 274849

Start: 10/23/2024 11:51 AM

End: 10/23/2024 12:00 PM

Bascom, adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
18	0	18	\$0.01	\$0.18

Hauler: McNabb  
 Driver: Asia Mayberry  
 Lease: King Tut Pad  
 Well: OC14  
 WFE #: N/A  
 County, State: LEA (WY)  
 WPI #: 0002541542  
 Client Company Man: Ika Tavaraz  
 Rig Name & Number: N/A  
 Trucking Co Ticket #: N/A  
 Truck Type: Belly Dumps  
 LCM: Durd  
 LCM Count: 18  
 RF Test Result: Pass  
 H2S Test: Pass

H2S Testing - PASS				
1	0	1	\$0.00	\$0.00

Paint Filter - PASS				
1	0	1	\$0.00	\$0.00

FORM - PASS				
1	0	1	\$0.00	\$0.00

Additional Photos				
1	0	1	\$0.00	\$0.00

28	0.0 lbs		\$0.01	\$0.18
----	---------	--	--------	--------

SUBTOTAL ----&gt; \$0.18

TAX ----&gt; \$0.00

ROUNDING ----&gt; \$0.00

TOTAL ----&gt; \$0.18

Customer: ConocoPhillips Company

Driver: Karen Work



Customer Copy

## WEIGHT TICKET

Ticket # 274854

Start: 10/03/2024 12:02 PM

End: 10/03/2024 12:11 PM

By: cwl:adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: N/A				
Driver: Joel Van Buskirk				
Lease: King Tut Pad				
Well: OC14				
WFE #: N/A				
County, State: LBA (NY)				
WPI #: 0102541542				
Client Company: Mena Ike Taveraz				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
JCM: Durd				
JCM Count: 13				
RF Test Result: Pass				
-2S Test: Pass				
-2S Testing -- PASS				
1	0	1	\$0.00	\$0.00
Paint Filter -- PASS				
1	0	1	\$0.00	\$0.00
NORM -- PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
17	0.0 lbs		\$0.01	\$0.13

SUBTOTAL ---&gt; \$0.13

TAX ---&gt; \$0.01

ROUNDING ---&gt; \$0.00

TOTAL ---&gt; \$0.14

Customer: ConocoPhillips Company

Driver: Kieran Work





Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ----WASTE TICKET----

Ticket # 274943

Start: 10/03/2024 03:35 PM

End: 10/03/2024 03:40 PM

By: owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: McNabb				
Driver: Joel Van Buskirk				
Lease: King Tut Fed				
Well: 001H				
AFE #: N/A				
County, State: LEA (NM)				
API #: 3002541542				
Client Company Man: Ike Tavaréz				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
UDM: CuYd				
UDM Count: 13				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
17	0.0 lbs		\$0.01	\$0.13
SUBTOTAL ---->				\$0.13
TAX ---->				\$0.01
ROUNDING ---->				\$0.00
TOTAL ---->				\$0.14

Date	Type	Amount
	CASH	\$0.14

Customer: ConocoPhillips Company  
Driver: Karen Work



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

----WASTE TICKET----

Ticket # 274821  
Start: 10/03/2024 10:40 AM  
End: 10/03/2024 01:44 PM  
By: owl.lisanda

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: McNabb Driver: Joel Van Buskirk Lease: King Tut Fed Well: 001H AFE #: N/A County, State: LEA (NM) API #: 3002541542 Client Company Man: Ike Tavarez Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck UOM: CuYd UOM Count: 15 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
17	0.0 lbs		\$0.01	\$0.13

SUBTOTAL ---> \$0.13  
TAX ---> \$0.01  
ROUNDING ---> \$0.00  
TOTAL ---> \$0.14

Date	Type	Amount
	CASH	\$0.14

Customer: ConocoPhillips Company  
Driver: Karen Work  
Ownership, I hereby state that I am the lawful owner of the material described heron, and I have the right to sell same said material and for the payment received I convey said material to:  
Oilfield Water Logistics, LLC

Print name \_\_\_\_\_

Sign name \_\_\_\_\_

powered by WeighPay.com



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ----WASTE TICKET----

Ticket # 274891

Start:10/03/2024 01:33 PM

End:10/03/2024 01:41 PM

By:cwl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: McNabb				
Driver: Joel Van Buskirk				
Lease: King Tut Fed				
Well: 001H				
AFE #: N/A				
County, State: LEA (NM)				
API #: 3002541542				
Client Company Man: Ike Tavaraz				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
UDM: CuYd				
UDM Count: 13				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
17	0.0 lbs		\$0.01	\$0.13
SUBTOTAL ---->				\$0.13
TAX ---->				\$0.01
ROUNDING ---->				\$0.00
TOTAL ---->				\$0.14

Date	Type	Amount
	CASH	\$0.14

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 274883  
Start: 10/03/2024 12:54 PM  
End: 10/03/2024 01:02 PM  
By: owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
15	0	15	\$0.01	\$0.15
Hauler: McNabb Driver: Victor Manzano Lease: King Tut Fed Well: 001H AFE #: N/A County, State: LEA (NM) API #: 3002541542 Client Company Man: Ike Tavaraz Truck Type: Dump Truck UOM: CuYd UOM Count: 15 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - FAIL				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
19		0.0 lbs	\$0.01	\$0.15
SUBTOTAL --->				\$0.15
TAX --->				\$0.01
ROUNDING --->				\$0.00
TOTAL --->				\$0.16

Date	Type	Amount
	CASH	\$0.16

Customer: ConocoPhillips Company  
Driver: Karen Work





Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 274815  
Start:10/03/2024 10:25 AM  
End:10/03/2024 10:30 AM  
By:owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
15	0	15	\$0.01	\$0.15
Hauler: McNabb Driver: Victor Manzano Lease: King Tut Fed Well: 001H AFE #: N/A County, State: LEA (NM) API #: 3002541542 Client Company Man: Ike Tavarez Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck UOM: CuYd UOM Count: 15 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
19	0.0 lbs		\$0.01	\$0.15
SUBTOTAL ---->				\$0.15
TAX ---->				\$0.01
ROUNDING ---->				\$0.00
TOTAL ---->				\$0.16

Date	Type	Amount
	CASH	\$0.16

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 274930

Start: 10/03/2024 02:54 PM

End: 10/03/2024 03:04 PM

By: owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
15	0	15	\$0.01	\$0.15

Hauler: McNabb  
Driver: Victor Manzano  
Lease: King Tut Fed  
Well: 001H  
AFE #: N/A  
County, State: LEA (NM)  
API #: 3002541542  
Client Company Man: Ike Tavaraz  
Rig Name & Number: N/A  
Trucking Co Ticket #: N/A  
Truck Type: Dump Truck  
UOM: CuYd  
UOM Count: 15  
PF Test Result: Pass  
H2S Test: Pass

H2S Testing - PASS				
1	0	1	\$0.00	\$0.00

Paint Filter - PASS				
1	0	1	\$0.00	\$0.00

NORM - PASS				
1	0	1	\$0.00	\$0.00

Additional Photos				
1	0	1	\$0.00	\$0.00

19	0.0 lbs	\$0.01	\$0.15
SUBTOTAL --->		\$0.15	
TAX --->		\$0.01	
ROUNDING --->		\$0.00	
TOTAL --->		\$0.16	

Date	Type	Amount
	CASH	\$0.16

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 274939  
Start: 10/03/2024 03:15 PM  
End: 10/03/2024 03:25 PM  
By: owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: McNabb				
Driver: Jesus Fernandez				
Lease: King Tut Fed				
Well: 001H				
AFE #: N/A				
County, State: LEA (NM)				
API #: 3002541542				
Client Company Man: Ike Tavaraz				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: End Dump				
UOM: CuYd				
UOM Count: 13				
PF Test Result: Fail				
H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
17	0.0 lbs		\$0.01	\$0.13
SUBTOTAL --->				\$0.13
TAX --->				\$0.01
ROUNDING --->				\$0.00
TOTAL --->				\$0.14

Date	Type	Amount
	CASH	\$0.14

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy

## -----WEIGHT TICKET-----

Ticket # 274842

Start: 10/03/2024 11:35 AM

End: 10/03/2024 11:44 AM

Bristol, Va

GROSS	TARE	NET	PRICE	AMOUNT
-------	------	-----	-------	--------

Contaminated Soil

15	0	15	\$0.01	\$0.15
----	---	----	--------	--------

hauler: McNabb

Driver: Victor Manzano

Lease: King Tut Pad

well: OC1H

AFE #: N/A

County, State: LEA (NY)

API #: 5002541542

Client Company Name: Ike Tavaraz

Rig Name &amp; Number: N/A

Trucking Co Ticket #: N/A

Truck Type: Dump Truck

LCM: CUYD

LCM Count: 15

RF Test Result: Pass

RS Test: Pass

-2S Testing - PASS

1	0	1	\$0.00	\$0.00
---	---	---	--------	--------

Paint Filter - PASS

1	0	1	\$0.00	\$0.00
---	---	---	--------	--------

VORM - PASS

1	0	1	\$0.00	\$0.00
---	---	---	--------	--------

Additional Photos

1	0	1	\$0.00	\$0.00
---	---	---	--------	--------

15	0.0 lbs		\$0.01	\$0.15
----	---------	--	--------	--------

SUBTOTAL ----&gt; \$0.15

TAX ----&gt; \$0.01

ROUNDING ----&gt; \$0.00

TOTAL ----&gt; \$0.16

Customer: ConocoPhillips Company

Driver: Karen Work





Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 274873  
Start: 10/03/2024 12:33 PM  
End: 10/03/2024 12:58 PM  
By: owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
18	0	18	\$0.01	\$0.18
Hauler: McNabb Driver: Jesus Hernandez Lease: King Tut Fed Well: 001H AFE #: N/A County, State: LEA (NM) API #: 3002541542 Client Company Man: Ike Tavaréz Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: End Dump UDM: CuYd UDM Count: 18 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
22		0.0 lbs	\$0.01	\$0.18
SUBTOTAL ---->				\$0.18
TAX ---->				\$0.01
ROUNDING ---->				\$0.00
TOTAL ---->				\$0.19

Date	Type	Amount
	CASH	\$0.19
Customer: ConocoPhillips Company		
Driver: Karen Work		



Customer Copy

## WEIGHT TICKET

Ticket # 274828

Start: 10/03/2024 10:38 AM

End: 10/03/2024 11:04 AM

Brazoria, TX

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil	0	1	10.00	\$0.00

Hauler: McNabb

Driver: Jesus Hernandez

Lease: King Tut Fed

Well: OCT4

WFE #: N/A

County, State: LBA (NY)

API #: 3002541543

Client Company Mgr: Ike Tavaréz

Rig Name &amp; Number: 4/A

Trucking Co Ticket #: N/A

Truck Type: End Dump

LOM: Durd

LOM Count: 20

RF Test Result: Pass

-2S Test: Pass

-2S Testing -- PASS

0	1	10.00	\$0.00
---	---	-------	--------

Paint Filter -- PASS

0	1	10.00	\$0.00
---	---	-------	--------

VORM -- PASS

0	1	10.00	\$0.00
---	---	-------	--------

Additional Photos

0	1	10.00	\$0.00
---	---	-------	--------

0	0.0 lbs	10.00	\$0.00
---	---------	-------	--------

SUBTOTAL ----&gt; \$0.00

TAX ----&gt; \$0.00

ROUNDING ----&gt; \$0.00

TOTAL ----&gt; \$0.00

Customer: ConocoPhillips Company

Driver: Karen Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

----WASTE TICKET----

Ticket # 275683

Start:10/07/2024 09:20 AM

End:10/07/2024 09:30 AM

By:owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
16	0	16	\$0.01	\$0.16
Hauler: McNabb				
Driver: Josh Busby				
Lease: King Tut 1 CTB				
Well: N/A				
AFE #: N/A				
County, State: LEA (NM)				
API #: N/A				
Client Company Man: Ike Tavaraz				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
UOM: CuYd				
UOM Count: 16				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
20	0.0 lbs		\$0.01	\$0.16
SUBTOTAL ---->				\$0.16
TAX ---->				\$0.01
ROUNDING ---->				\$0.00
TOTAL ---->				\$0.17

Date	Type	Amount
	CASH	\$0.17

Customer: ConocoPhillips Company  
Driver: Karen Work



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

----WASTE TICKET----

Ticket # 275697  
Start: 10/07/2024 10:43 AM  
End: 10/07/2024 10:49 AM  
By: owl.lisanda

GRROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
1	0	1	\$0.01	\$0.01
Hauler: McNabb Partners				
Driver: Josh Bisdey				
Lease: King Tut 1 CTB				
Wall: N/A				
AFE #: N/A				
County, State: LEA (NM)				
API #: N/A				
Manifest #: 39				
Client Company Man: Ike Tavarez				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
UOM: CuYd				
UOM Count: 16				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
5	0.0 lbs		\$0.00	\$0.01
			SUBTOTAL --->	\$0.01
			TAX --->	\$0.00
			ROUNDING --->	\$0.00
			TOTAL --->	\$0.01

Date	Type	Amount
	CASH	\$0.01

Customer: ConocoPhillips Company  
Driver: Karen Work  
Ownership, I hereby state that I am the lawful owner of the material described herein, and I have the right to sell same said material and for the payment received I convey said material to:  
Oilfield Water Logistics, LLC

Print name \_\_\_\_\_

Sign name \_\_\_\_\_

powered by WeighPay.com





Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 275753

Start: 10/07/2024 03:14 PM

End: 10/07/2024 03:17 PM

By: owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
16	0	16	\$0.01	\$0.16
Hauler: McNabb Driver: Josh Busby Lease: King Tut 1 CTB Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Client Company Man: Ike Tavaraz Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck UDM: CuYd UDM Count: 16 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00

20	0.0 lbs	\$0.01	\$0.16
----	---------	--------	--------

SUBTOTAL	--->	\$0.16
TAX	--->	\$0.01
ROUNDING	--->	\$0.00
TOTAL	--->	\$0.17

Date	Type	Amount
	CASH	\$0.17

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy

## WEIGHT TICKET

Ticket # 275710

Start: 10/07/2024 11:35 AM

End: 10/07/2024 12:06 PM

By: Paul Lisencia

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
16	0	16	\$0.01	\$0.16
Hauler: McNabb Partners				
Driver: Josh Busby				
Lease: King Tut # 018				
Well: N/A				
NFE #: N/A				
County, State: LEA (NM)				
API #: N/A				
Client Company: Mann Ixe Tavaraz				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
JCM: Durd				
JCM Count: 16				
RF Test Result: Fail				
R2S Test: Pass				
R2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
VORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
20	0.0 lbs		\$0.01	\$0.16
SUBTOTAL ---->				\$0.16
TAX ---->				\$0.00
ROUNDING ---->				\$0.00
TOTAL ---->				\$0.17

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 275688  
Start: 10/07/2024 09:58 AM  
End: 10/07/2024 10:06 AM  
By: owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: McNabb Driver: Rosa Hernandez Lease: King Tut 1 CTB Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Client Company Man: Ike Tavaraz Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck UOM: CuYd UOM Count: 13 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
17	0.0 lbs		\$0.01	\$0.13
SUBTOTAL ---->				\$0.13
TAX ---->				\$0.01
ROUNDING ---->				\$0.00
TOTAL ---->				\$0.14

Date	Type	Amount
	CASH	\$0.14

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 275704  
Start: 10/07/2024 11:29 AM  
End: 10/07/2024 11:34 AM  
By: owl.lisanda

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
15	0	15	\$0.01	\$0.15
Hauler: McNabb Partner Driver: Roas Hernandez Lease: King Tut 1 CTB Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Client Company Man: Ike Tavaréz Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck UOM: CuYd UOM Count: 15 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
19	0.0 lbs		\$0.01	\$0.15
SUBTOTAL --->				\$0.15
TAX --->				\$0.01
ROUNDING --->				\$0.00
TOTAL --->				\$0.16

Date	Type	Amount
	CASH	\$0.16

Customer: ConocoPhillips Company  
Driver: Karen Work





Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 275729  
Start: 10/07/2024 12:50 PM  
End: 10/07/2024 12:58 PM  
By: owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: McNabb Driver: Rose Hernandez Lease: King Tut 1 CTB Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Client Company Man: Ike Tavaréz Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck UDM: CuYd UDM Count: 13 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
17	0.0 lbs		\$0.01	\$0.13
SUBTOTAL ---->				\$0.13
TAX ---->				\$0.01
ROUNDING ---->				\$0.00
TOTAL ---->				\$0.14

Date	Type	Amount
	CASH	\$0.14

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 275698

Start: 10/07/2024 10:44 AM

End: 10/07/2024 10:50 AM

By: owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: McNabb Driver: Victoria Heredia Lease: King Tut 1 CTB Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Client Company Man: Ike Tavarez Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck UOM: CuYd UOM Count: 13 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
17	0.0 lbs		\$0.01	\$0.13
SUBTOTAL --->				\$0.13
TAX --->				\$0.01
ROUNDING --->				\$0.00
TOTAL --->				\$0.14

Date	Type	Amount
	CASH	\$0.14

Customer: ConocoPhillips Company  
Driver: Karen Work

VH



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 275756

Start: 10/07/2024 03:22 PM

End: 10/07/2024 03:27 PM

By: owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil 13	0	13	\$0.01	\$0.13
Hauler: McNabb Driver: Victoria Heredia Lease: King Tut 1 CTB Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Client Company Man: Ike Taveraz Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck UOM: CuYd UOM Count: 13 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS 1	0	1	\$0.00	\$0.00
Paint Filter - PASS 1	0	1	\$0.00	\$0.00
NORM - PASS 1	0	1	\$0.00	\$0.00
Additional Photos 1	0	1	\$0.00	\$0.00
17	0.0 lbs		\$0.01	\$0.13

SUBTOTAL ----> \$0.13  
TAX ----> \$0.01  
ROUNDING ----> \$0.00  
TOTAL ----> \$0.14

Date	Type	Amount
	CASH	\$0.14

Customer: ConocoPhillips Company  
Driver: Karen Work

VH



Customer Copy

## WEIGHT TICKET

Ticket # 275713

Start: 10/07/2024 12:07 PM

End: 10/07/2024 12:12 PM

By: [Signature]

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: Nakabb				
Driver: Victoria Hernandez				
Lease: King Tut 1 CTR				
Well: N/A				
API #: N/A				
County, State: LEA (NV)				
API #: N/A				
Client Company: Mani Ike Taveraz				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
JOM: 30yd				
JOM Count: 13				
PF Test Results: Pass				
-2S Test: Pass				
-2S Testing - PASS				
0	0	1	\$0.00	\$0.00
Paint Filter - PASS				
0	0	1	\$0.00	\$0.00
VORM - PASS				
0	0	1	\$0.00	\$0.00
Additional Photos				
0	0	1	\$0.00	\$0.00
13	0.0 lbs	13	\$0.01	\$0.13

SUBTOTAL ----&gt; \$0.13

TAX ----&gt; \$0.00

ROUNDING ----&gt; \$0.00

TOTAL ----&gt; \$0.14

Customer: ConocoPhillips Company

Driver: Karen Work

VH





Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ----WASTE TICKET----

Ticket # 275684

Start: 10/07/2024 09:30 AM

End: 10/07/2024 09:35 AM

By: owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: McNabb Driver: Victoria Heredia Lease: King Tut 1 CTB Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Client Company Man: Ike Tavaréz Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck UDM: CuYd UDM Count: 13 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
17	0.0 lbs		\$0.01	\$0.13

SUBTOTAL ----> \$0.13  
TAX ----> \$0.01  
ROUNDING ----> \$0.00  
TOTAL ----> \$0.14

Date	Type	Amount
	CASH	\$0.14

Customer: ConocoPhillips Company  
Driver: Karen Work

VH



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ----WASTE TICKET----

Ticket # 275687  
Start:10/07/2024 09:56 AM  
End:10/07/2024 10:05 AM  
By:owl.lisanda

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
15	0	15	\$0.01	\$0.15
Hauler: McNabb Partners				
Driver: Joel Van Briskick				
Lease: King Tut Fed CTB				
Well: N/A				
AFE #: N/A				
County, State: LEA (NM)				
API #: N/A				
Manifest #: 37				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
UOM: CuYd				
UOM Count: 12				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
19		0.0 lbs	\$0.01	\$0.15
SUBTOTAL ---->				\$0.15
TAX ---->				\$0.01
ROUNDING ---->				\$0.00
TOTAL ---->				\$0.16

Date	Type	Amount
	CASH	\$0.16

Customer: ConocoPhillips Company  
Driver: Karen Work



- Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 275725  
Start: 10/07/2024 12:42 PM  
End: 10/07/2024 12:49 PM  
By: owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil 13	0	13	\$0.01	\$0.13
Hauler: McNabb Driver: Joel Van Buskirk Lease: King Tut 1 CTB Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Client Company Man: Ike Tavarez Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck UOM: CuYd UOM Count: 13 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS 1	0	1	\$0.00	\$0.00
Paint Filter - PASS 1	0	1	\$0.00	\$0.00
NORM - PASS 1	0	1	\$0.00	\$0.00
Additional Photos 1	0	1	\$0.00	\$0.00
17	0.0 lbs		\$0.01	\$0.13
SUBTOTAL --->				\$0.13
TAX --->				\$0.01
ROUNDING --->				\$0.00
TOTAL --->				\$0.14

Date	Type	Amount
	CASH	\$0.14

Customer: ConocoPhillips Company  
Driver: Karen Work



Customer Copy

## WEIGHT TICKET

Ticket # 275898

Start: 10/08/2024 08:52 AM

End: 10/08/2024 09:57 AM

By: [illegible] License

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
15	0	15	10.01	\$0.16
Trailer: McNabb Partners Driver: John Busby Lease: King Tut 10/08 Well: N/A AFE #: N/A County: Sevier LEA (WV) API #: N/A Client Company Name: Ice Traverser Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck UCM: Durd UCM Count: 16 RF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS	0	1	10.00	\$0.00
Paint Filter - PASS	0	1	10.00	\$0.00
NORM - PASS	0	1	10.00	\$0.00
Additional Photos	0	1	10.00	\$0.00
20		0.0 lbs	10.01	\$0.16

SUBTOTAL ----&gt; \$0.16

TAX ----&gt; \$0.00

ROUNDING ----&gt; \$0.00

TOTAL ----&gt; \$0.17

 Customer: ConocoPhillips Company  
 Driver: Karen Work





Customer Copy

## WEIGHT TICKET

Ticket # 275991

Start: 10/28/2024 12:11 PM

End: 10/28/2024 12:37 PM

By: cal.lisanda

GROSS	TARE	NET	PRICE	AMOUNT	
Contaminated Soil	18	0	16	10.01	\$0.16

Hauler: McNabb Partners

Driver: Josh Busby

Lease: King Tut 1 CTR

Well: N/A

WFE #: N/A

County, State: LA (CA)

API #: N/A

Client Company Name: Ixe Taveraz

Rig Name &amp; Number: N/A

Trucking Co Ticket #: N/A

Truck Type: Dump Truck

JCM: Durd

JCM Count: 18

AP Test Result: Pass

2S Test: Pass

-2S Testing - PASS	0	1	10.00	\$0.00
--------------------	---	---	-------	--------

Paint Filter - PASS	0	1	10.00	\$0.00
---------------------	---	---	-------	--------

NORM - PASS	0	1	10.00	\$0.00
-------------	---	---	-------	--------

Additional Photos	0	1	10.00	\$0.00
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20	2.0 lbs	10.01	\$0.16
----	---------	-------	--------

SUBTOTAL ----&gt; \$0.16

TAX ----&gt; \$0.00

ROUNDING ----&gt; \$0.00

TOTAL ----&gt; \$0.17

Customer: ConocoPhillips Company

Driver: Karen Work



Customer Copy

## WEIGHT TICKET

Ticket # 275966

Start: 10/08/2024 03:21 PM

End: 10/08/2024 03:23 PM

By: C.W. Lisanca

GROSS	TARE	NET	PRICE	AMOUNT
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Contaminated Soil

16	0	16	\$0.01	\$0.16
----	---	----	--------	--------

Hauler: McNabb Partner

Driver: Josh Busby

Lease: King Tut 1 CTR

Well: N/A

WFE #: N/A

County: Shafter LEA (NM)

API #: N/A

Manifest #: N/A

Client Company: Manti Eke Travares

Trig Name &amp; Number: N/A

Trucking Co Ticket #: N/A

Truck Type: Dump Truck

JCM: Durd

JCM Count: 16

PF Test Result: Pass

2S Test: Pass

2S Testing - PASS

0	1	\$0.00	\$0.00
---	---	--------	--------

Paint Filter - PASS

0	1	\$0.00	\$0.00
---	---	--------	--------

VORM - PASS

0	1	\$0.00	\$0.00
---	---	--------	--------

Additional Photos

0	1	\$0.00	\$0.00
---	---	--------	--------

20	0.0 lbs	\$0.01	\$0.16
----	---------	--------	--------

SUBTOTAL ----&gt; \$0.16

TAX ----&gt; \$0.00

ROUNDING ----&gt; \$0.00

TOTAL ----&gt; \$0.17

Customer: ConocoPhillips Company

Driver: Karen Work



Customer Copy

## WEIGHT TICKET

Ticket # 275933

Start: 10/03/2024 12:44 PM

End: 10/03/2024 12:51 PM

By: Gal. Lisenca

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: McNabb Partners				
Driver: Elias Hernandez				
Lease: King Tut 1 C13				
Well: N/A				
API #: N/A				
County: Sealed LEA (NY)				
API #: N/A				
Client Company Name: Ika Travarez				
Trig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
JCM: DUY				
JCM Count: 13				
PF Test Results: Pass				
-2S Test: Pass				
-2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
VORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
13	0.0 lbs		\$0.01	\$0.13

SUBTOTAL ----&gt; \$0.13

TAX ----&gt; \$0.01

ROUNDING ----&gt; \$0.00

TOTAL ----&gt; \$0.14

Customer: ConocoPhillips Company

Driver: Brian Work



Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 276118  
Start: 10/09/2024 12:43 PM  
End: 10/09/2024 12:49 PM  
By: owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
16	0	16	\$0.01	\$0.16
Hauler: McNabb Driver: Josh Bushy Lease: King Tut 1 CTB Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Client Company Man: Ike Tavaréz Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck UOM: CuYd UOM Count: 16 PF Test Result: Pass H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
20	0.0 lbs		\$0.01	\$0.16
SUBTOTAL --->				\$0.16
TAX --->				\$0.01
ROUNDING --->				\$0.00
TOTAL --->				\$0.17

Date	Type	Amount
	CASH	\$0.17

Customer: ConocoPhillips Company  
Driver: Karen Work





Customer Copy



Northern Delaware Basin Landfill  
2029 West NM Hwy 128  
Jal NM 88252

## ---WASTE TICKET---

Ticket # 275701  
Start:10/07/2024 11:17 AM  
End:10/07/2024 11:24 AM  
By:owl.adan

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
13	0	13	\$0.01	\$0.13
Hauler: McNabb Driver: Joel Van Buskirk Lease: King Tut 1 CTB Well: N/A AFE #: N/A County, State: LEA (NM) API #: N/A Client Company Man: Ike Tavaréz Rig Name & Number: N/A Trucking Co Ticket #: N/A Truck Type: Dump Truck UOM: CuYd UOM Count: 13 PF Test Result: Pass H2S Test: Pass  H2S Testing - PASS 1 0 1 \$0.00 \$0.00  Paint Filter - PASS 1 0 1 \$0.00 \$0.00  NORM - PASS 1 0 1 \$0.00 \$0.00  Additional Photos 1 0 1 \$0.00 \$0.00  <hr/> 17 0.0 lbs \$0.01 \$0.13  SUBTOTAL ----> \$0.13 TAX ----> \$0.01 ROUNDING ----> \$0.00 TOTAL ----> \$0.14				

Date	Type	Amount
	CASH	\$0.14

Customer: ConocoPhillips Company  
Driver: Karen Work

Sante Fe Main Office  
Phone: (505) 476-3441

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Phone: (505) 629-6116

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

QUESTIONS

Action 395758

QUESTIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 395758
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2319132381
Incident Name	NAPP2319132381 KING TUT FEDERAL CTB @ 0
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Facility	[fAPP2203843099] King Tut Fed 1H Battery

Location of Release Source	
Please answer all the questions in this group.	
Site Name	KING TUT FEDERAL CTB
Date Release Discovered	06/21/2023
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion   Flow Line - Production   Produced Water   Released: 159 BBL   Recovered: 70 BBL   Lost: 89 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 395758

**QUESTIONS (continued)**

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 395758
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Christian LLuLL Title: Project Manager Email: christian.llull@tetrattech.com Date: 10/24/2024
--	--

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**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 395758

**QUESTIONS (continued)**

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 395758
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	15300
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	83
GRO+DRO (EPA SW-846 Method 8015M)	83
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	09/16/2024
On what date will (or did) the final sampling or liner inspection occur	10/03/2024
On what date will (or was) the remediation complete(d)	10/10/2024
What is the estimated surface area (in square feet) that will be reclaimed	4647
What is the estimated volume (in cubic yards) that will be reclaimed	662
What is the estimated surface area (in square feet) that will be remediated	4647
What is the estimated volume (in cubic yards) that will be remediated	662

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.



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**Energy, Minerals and Natural Resources**  
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**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 395758

**QUESTIONS (continued)**

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 395758
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	OWL LANDFILL JAL [JEG1635837366]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Christian LLuLL Title: Project Manager Email: christian.llull@tetrattech.com Date: 10/24/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5  
  
Action 395758

QUESTIONS (continued)

Operator:  COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID:  217955
	Action Number:  395758
	Action Type:  [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 395758

**QUESTIONS (continued)**

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 395758
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	384354
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/25/2024
What was the (estimated) number of samples that were to be gathered	21
What was the sampling surface area in square feet	5025

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	4647
What was the total volume (cubic yards) remediated	662
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	4647
What was the total volume (in cubic yards) reclaimed	662
Summarize any additional remediation activities not included by answers (above)	The areas within the release footprint were excavated to a maximum depth of 4 feet below surrounding grade, based on the approved work plan. Due to safety concerns associated with working around energized and pressurized lines, impacted soils were excavated by hand or hydro-excavation within 2 feet of surface and subsurface lines. Heavy machinery remained outside these buffer zones to avoid any associated risk or disturbance.

*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 (in .pdf format) 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.*

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.

I hereby agree and sign off to the above statement	Name: Christian LLuLL Title: Project Manager Email: christian.llull@tetrattech.com Date: 10/24/2024
--	--

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

QUESTIONS, Page 7

Action 395758

**QUESTIONS (continued)**

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 395758
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Reclamation Report</b>	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	4647
What was the total volume of replacement material (in cubic yards) for this site	662
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	10/09/2024
Summarize any additional reclamation activities not included by answers (above)	Once acceptable confirmation sample results were received, the excavation was backfilled with clean material to pre-release grade. In accordance with 19.15.29.12 NMAC, the reclaimed area contained a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by SM4500Cl-B. The soil cover included a top layer consisting of one foot of suitable material to establish vegetation at the site. The backfilled areas in the pasture were seeded following backfilling, to aid in revegetation. Based on the soils of the site, the BLM Seed Mix #2 was used for seeding and was planted in the amount specified in the pounds pure live seed (PLS) per acre. One (1) representative 5-point composite sample was collected from the backfill material used for the reclamation of the project site.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Christian LLuLL Title: Project Manager Email: christian.llull@tetratech.com Date: 10/24/2024



Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
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QUESTIONS, Page 8  
  
Action 395758

QUESTIONS (continued)

Operator:  COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID:  217955
	Action Number:  395758
	Action Type:  [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

<b>Revegetation Report</b>	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 395758

CONDITIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 395758
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	2/13/2025