

November 15, 2023

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

### Re: Closure Report ConocoPhillips Company (Heritage COG Operating, LLC) Talco 9-26-35 Federal 003H Flowline Release Unit Letter J, Section 09, Township 26 South, Range 35 East Lea County, New Mexico Incident ID NAPP2308946629

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips (COP) to assess a release that occurred from a flowline associated with the Talco 9-26 35 Federal 003H (API 30-025-43458). The release footprint is located in Public Land Survey System (PLSS) Unit Letter J, Section 09, Township 26 South, Range 35 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.057784°, -103.371235°, as shown on Figures 1 and 2.

### BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), the release occurred as the result of flowline corrosion and was discovered on March 28, 2023. The release of approximately 14.2 barrels (bbls) of crude oil and 33.2 bbls of produced water were reported. The extent of the release was identified based on information provided by ConocoPhillips representatives, and a review of photographs and observations made during a site visit at the release area on March 31, 2023. The release extent was described in the spill calculator as equaling 1,239 square feet. The New Mexico Oil Conservation District (NMOCD) received the C-141 report form for the release on March 30, 2023, and subsequently assigned the release Incident ID NAPP2308946629.

#### LAND OWNERSHIP

The Site is located on land managed by the Bureau of Land Management (BLM). Following the release, Tetra Tech requested BLM clearance to remediate via email. The BLM cleared the Site for remediation activities via email following a desktop review conducted by Shelly Taylor of the BLM. The correspondence is included in Appendix B.

#### **INITIAL RESPONSE**

In accordance with 19.15.29.8. B. (4) NMAC that states "the responsible party may commence remediation immediately after discovery of a release", COP elected to begin remediation of the impacted area footprint. Initial response remedial actions were performed at the release site on April 6, 2023. Visibly stained areas were partially excavated to depths at 1 to 3 feet below ground surface (bgs) to remove impacted materials. Approximately 60 cubic yards of contaminated soil were removed and sent to R360 Halfway Facility in Hobbs, New Mexico for disposal. The initial response areas are indicated in Figure 3.

#### SITE CHARACTERIZATION

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

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are no water wells within ½ mile (800 meters) of the Site. There is one (1) water well within 2.23 miles (3,589 meters) of the site with a depth to groundwater of 230 feet below ground surface (bgs).

As the available water level information was from a well farther than  $\frac{1}{2}$  mile away from the Site, COP elected to drill a boring for groundwater verification. On May 24, 2023, a licensed drilling subcontractor was onsite to a drill a depth-to-water (DTW) borehole to 57 feet bgs. The borehole was located on the developed pad approximately 460 feet northwest. The borehole was dry upon completion, and soils were dry from surface to total depth. The depth to groundwater in the area was thus verified as greater than 57 feet bgs. The borehole was plugged with 3/8" bentonite chips. The borehole coordinates are 32.058777°, -103.370256°, and the boring location is indicated on Figure 4B. The site characterization data, along with the boring log, is included in Appendix C.

## **REGULATORY FRAMEWORK**

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

Based on the site characterization and in accordance with Table I of 19.15.29.12 NMAC, the proposed RRALs for the Site are as follows:

Constituent	Site RRALs
Chloride	10,000 mg/kg
TPH (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	<b>Reclamation Requirements</b>
Chloride	600 mg/kg
TPH (GRO+DRO+ORO)	100 mg/kg

### INITIAL SITE ASSESSMENT ACTIVITIES AND RESULTS

Tetra Tech personnel were onsite to delineate and sample the release area on April 19, 2023. A total of eleven (11) soil borings (HA-1 through HA-11) were installed using a hand auger within and around the release area to evaluate the vertical and horizontal extent of the release. HA-1 through HA-4 were installed within the release extent to assess the vertical extent of impact. The remainder of the borings were installed around the perimeter of the release footprint to delineate the horizontal extent of impacted soil. The boring locations are shown on Figure 4A.

A total of twenty-eight (28) samples were collected from the sample locations, transferred under chain of custody and analyzed within appropriate holding times by Cardinal Laboratories (Cardinal). The soil

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samples were analyzed for TPH via Method 8015 Modified, chloride via Method SM4500CI-B, and BTEX via Method 8021B.

Results from the April 2023 soil sampling event are summarized in Table 1. Analytical results associated with boring location HA-1, HA-2, HA-3 and HA-4 exceeded the RRALs for TPH and/or BTEX in soils to depths of 4, 8, 4 and 4 feet below surrounding grade, respectively. Additionally, results associated with HA-1, HA-2, HA-3, and HA-4 exceeded chloride and/or TPH reclamation requirements for soils above 4 feet bgs. All other analytical results from the April 2023 sampling were below Site RRALs and reclamation requirements for soils above 4 feet bgs. While horizontal delineation of the release area was successful, vertical delineation was not achieved during the April 2023 sampling event due to depth limitations associated with using a hand auger.

## ADDITIONAL SITE ASSESSMENT ACTIVITIES AND RESULTS

Tetra Tech personnel returned to the Site to complete vertical delineation of the release area on May 25, 2023. One trench (T-1) was advanced within the release footprint at the previously installed HA-2 boring location to obtain soil samples from a greater depth. T-1 was advanced to a depth of 14 feet below surrounding grade. The trench location is shown on Figure 4A.

A total of five (5) samples were collected from the trench location and transferred under chain of custody and analyzed within appropriate holding times by Cardinal. The soil samples were analyzed for TPH via Method 8015 Modified, chloride via Method SM4500CI-B, and BTEX via Method 8021B.

Results from the May 2023 soil sampling event are summarized in Table 1. Analytical results associated with the sampled intervals from trench location T-1 were below RRALs and reclamation requirements for TPH, BTEX and chloride. Thus, following the May 2023 additional assessment activities, the release was considered fully delineated.

## REMEDIATION WORK PLAN AND ALTERNATIVE CONFIRMATION SAMPLING PLAN

The Release Characterization Work Plan (Work Plan) was prepared by Tetra Tech on behalf of ConocoPhillips and submitted to NMOCD on June 16, 2023. The Work Plan described the results of the initial response activities, release assessment and provided characterization of the impact at the site. The Work Plan was approved via email by Nelson Velez of the NMOCD on Monday, September 18, 2023, with the following comment:

• Remediation plan is approved as written. COG has 90-days (December 18, 2023) to submit its appropriate or final closure report.

## REMEDIAL ACTIVITIES AND CONFIRMATION SAMPLING

From October 16 to October 20, 2023, 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 October 10, 2023, the NMOCD district office was notified via email in accordance with Subsection D of 19.15.29.12 NMAC. Documentation of associated regulatory correspondence is included in Appendix B.

Impacted soils were excavated as indicated in Figure 5. The areas within the release footprint were excavated to depths ranging from 4 to 8 feet below surrounding grade. Due to safety concerns associated with working around pressurized and electrical lines, impacted soils were excavated by hand within 4 feet of subsurface lines. Heavy machinery remained outside this buffer zone to avoid any associated risk or disturbance. All excavated material was transported offsite for proper disposal. Approximately 426 cubic yards of material were transported to the Northern Delaware Basin Landfill in Jal, New Mexico. Copies of the waste manifests are included in Appendix D. Photographs from the excavated areas prior to backfill are provided in Appendix E.

Following excavation, confirmation floor and sidewall samples were collected and submitted for laboratory analysis to verify efficacy of remediation activities. Per the OCD 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. A total of six (6) confirmation floor samples and five (5) confirmation sidewall samples were collected during remedial activities. Confirmation sidewall sample locations were categorized with the cardinal direction (N, E, S, W) followed by SW-#. Confirmation floor sample locations were labeled with "FS"-#. Excavated areas, depths and confirmation sample locations are indicated in Figure 5.

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 SM4500CI-B. The analytical results were directly compared to the established Site RRALs to demonstrate compliance. All final confirmation soil samples (floor and sidewall) were below applicable cleanup levels for chloride, TPH and BTEX. The results of the October 2023 confirmation sampling events are summarized in Table 2. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix F.

#### **RECLAMATION ACTIVITIES**

Once confirmation sampling activities were completed and associated analytical results were below the RRALs, the excavated areas were backfilled with clean material to surface grade. The backfilled areas were seeded in October 2023 to aid in revegetation. Based on the location of the Site, the BLM seed mixture for LPC Sand/Shinnery Sites (Appendix G) was used for seeding and planted in the amount specified in the pounds pure live seed per acre. Photographic documentation of the excavated areas prior to and immediately following placement of backfill and seeding are provided in Appendix E.

Site inspections will be performed to assess the revegetation progress and evaluate the Site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the BLM 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.

## 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. If you have any questions concerning the remediation activities for the Site, please call me at (512) 560-9064 or Christian at (512) 338-2861.

/ulherfeld

Nicholas M. Poole Project Manager

cc: Mr. Ike Tavarez, RMR – ConocoPhillips Ms. Shelly Taylor, BLM

Christian M. Llull, P.G. Program Manager

## LIST OF ATTACHMENTS

### Figures:

Figure 1 – Overview Map Figure 2 – Site Location/Topographic Map Figure 3 – Approximate Release Extent and Initial Response Figure 4A – Site Assessment Figure 4B – Site Assessment (DTW Boring) Figure 5 – Remedial Activities and Confirmation Sampling

## Tables:

Table 1 – Summary of Analytical Results – Soil Assessment

Table 2 – Summary of Analytical Results – Confirmation Sampling

## Appendices:

Appendix A – C-141 Forms

Appendix B – Regulatory Correspondence

Appendix C – Site Characterization Data

Appendix D - Waste Manifest

Appendix E – Photographic Documentation

Appendix F – Analytical Laboratory Data – Remediation

Appendix G – BLM Seed Mix

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# FIGURES













# TABLES

### TABLE 1 SUMMARY OF ANALYTICAL RESULTS SOIL ASSESSMENT - NAPP2308946629 CONOCOPHILLIPS TALCO 9 26 35 FEDERAL #003H FLOWLINE RELEASE LEA COUNTY, NM

					BTEX <sup>2</sup>						TPH <sup>3</sup>											
		Sample Depth	Chlorid	le <sup>1</sup>					Ethylben						GRO		DRO		EXT D	20	(000.000)	Total TPH
						Benzene		Toluene		zene	Total Xyl	enes	Total B	TEX	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)	(GRO+DRO+EXT DRO)
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg
Sample ID	Sample Date	Closure Criteria for Pasture / Off-Pad Soils 0-4' bgs:	<u>600 mg</u> ,	/kg	<u>&lt; 10 mg</u>	<u>/kg</u>	-		-		-		<u>&lt; 50 mg</u>	<u>ı/kg</u>			-				-	<u>100 mg/kg</u>
		Closure Criteria for Soils >4' bgs (GW 50- 100 ft):	<u>10,000 m</u>	<u>a/ka</u>	<u>&lt; 10 mg</u>	/ <u>kg</u>	-						<u>&lt; 50 mg</u>	<u>1/kg</u>			-				<u>1000 mg/kg</u>	<u>2500 mg/ka</u>
		3-4	688		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		538		93.5		538	631.5
		4-5	2,080		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		11.1		< 10.0		11.1	11.1
HA-1	4/19/2023	5-6	2,440	QM-07	< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		19.9		< 10.0		19.9	19.9
	.,	6-7	5,120		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	-
		7-8	4,280		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		12.3		< 10.0		12.3	12.3
		8-9	3,400		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	-
		3-4	3,720		<2.00		16.4		11.1		57.7		85.2		1890		13700		2870		15,590	18,460
		4-5	1,840		4.67		55		35.1		204		299		3950		14000		1670		17,950	19,620
		5-6	2,800		2.36	QM-07, QR-03	32.1	QM-07, QR-03	21.8	QM-07, QR-03	123	QM-07, QR-03	179	QM-07, QR-03	4280		15600		3010		19,880	22,890
4/19/2023 HA-2 / T-1	4/19/2023	6-7	4,560		1.9	QINUS	31.4	0,1-03	23.6	QR-03	135	QR-03	192	QR-03	3570		12400		2220		15,970	18,190
	7-8	5,120		0.061		2.15		2.84		15.6		20.7		675		3120		526		3,795	4,321	
	8-9	1,250		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		221		41.7		221	262.7	
	9-10	144		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		67.7		< 10.0		67.7	67.7	
		10-11	96.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		34.5		< 10.0		34.5	34.5
	5/25/2023	11-12	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	-
		12-13	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	-
		13-14	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	-
		0-1	48.0		<5.00		18		11.9		69		98.9		2840		7970		1470		10,810	12,280
		1-2	32.0		<0.050		1.2		1.38		7.81		10.4		440		2550		461		2,990	3,451
HA-3	4/19/2023	2-3	32.0		<0.050		1.2		1.38		7.81		10.4		440		2550		461		2,990	3,451
		3-4	16.0		1.16		22.4		15		82.9		121		1670		4760		864		6,430	7,294
	1	3-4	<16.0		< 0.050		< 0.050	1	< 0.050		< 0.150		< 0.300		<10.0		238		49.8	1	238	287.8
		4-5	<16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		12.5		< 10.0		12.5	12.5
HA-4 4/19/2023	4/19/2023	5-6	<16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		19.7		< 10.0		19.7	19.7
	6-7	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		71.5		16.3		71.5	87.8	
	7-8	<16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		13.3		< 10.0		13.3	13.3	
HA-5	4/19/2023	2-3	<16.0		< 0.050		< 0.050	1	< 0.050		< 0.150		< 0.300	1	< 10.0		< 10.0		< 10.0	1		-
HA-5	4/19/2023	0-1	160.0		< 0.050		< 0.050	-	< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0			
HA-7	4/19/2023	0-1	48.0		< 0.050		< 0.050	-	< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0			-
HA-8	4/19/2023	0-1	48.0		< 0.050		< 0.050	-	< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0			
HA-9	4/19/2023	0-1	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300	1	< 10.0		< 10.0		< 10.0		-	-
HA-10	4/19/2023	0-1	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300	1	< 10.0		< 10.0		< 10.0		-	-
HA-11	4/19/2023	0-1	<16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300	1	< 10.0		< 10.0		< 10.0		-	-
														1								
HA-12	5/24/2023	0-1	<16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	-

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

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

Bold and italicized values indicate exceedance of proposed Site RRALs.

Shaded rows indicate intervals proposed for excavation.

recovery.

QUALIFIERS:

QR-03

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Received by OCD: 11/15/2023 9:30:28 PM

### TABLE 2 SUMMARY OF ANALYTICAL RESULTS CONFIRMATION SAMPLING - NAPP2308946629 CONOCOPHILLIPS TALCO 9 26 35 FEDERAL #003H FLOWLINE RELEASE LEA COUNTY, NM

DTEV<sup>2</sup>

<table-container></table-container>										BTEX	2									TPH <sup>3</sup>			
Sample Date         Index         Mark			Sample Depth	Chloric	ie <sup>1</sup>	Bonzo	20	Toluo	20	Ethylhon	7000	Total Vul	0000	Total PI	rev	GRO		DRO		EXT DF	80		Total TPH
Sample Date         Closure Criteria for pature / OFFPad Soils 0-4' bg: Closure Criteria for Soils ×4' bg (MSVS $d \otimes M \times g$ $d \otimes M \otimes G$ $d \otimes M \times g$ $d \otimes M \times g$ $d \otimes M \times g$ $d \otimes M \otimes G$ <th< th=""><th></th><th></th><th></th><th></th><th></th><th>Delize</th><th>lie</th><th>Toldel</th><th>ie</th><th>Ethylben</th><th>zene</th><th>Total Ayl</th><th>enes</th><th>Total B</th><th></th><th>C<sub>6</sub> - C</th><th>10</th><th>&gt; C<sub>10</sub> - 0</th><th>C<sub>28</sub></th><th>&gt; C<sub>28</sub> -</th><th>C<sub>36</sub></th><th>(GROTDRO)</th><th>(GRO+DRO+EXT DRO)</th></th<>						Delize	lie	Toldel	ie	Ethylben	zene	Total Ayl	enes	Total B		C <sub>6</sub> - C	10	> C <sub>10</sub> - 0	C <sub>28</sub>	> C <sub>28</sub> -	C <sub>36</sub>	(GROTDRO)	(GRO+DRO+EXT DRO)
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg
Image: Normal synthetic synthet synthetic synthetic synthetic synthetic synthet	Sample ID	Sample Date	Pasture / Off-Pad Soils 0-4' bgs:	<u>600 mg</u> ,	<u>/kg</u>	<u>&lt; 10 mg</u>	<u>/kg</u>			-		-		<u>&lt; 50 mg</u>	<u>/kg</u>					-		-	<u>100 mg/kg</u>
F5-2       10/17/2023       8       1630        0.050        0.050        0.150        0.100       0.100       0.100       0.100       0.100 <t< th=""><th></th><th></th><th>Soils &gt;4' bgs (GW 50-</th><th><u>10,000 m</u></th><th><u>g/kg</u></th><th><u>&lt; 10 mg</u></th><th><u>/kg</u></th><th></th><th></th><th></th><th></th><th></th><th></th><th><u>&lt; 50 mg</u></th><th><u>/kg</u></th><th></th><th></th><th></th><th></th><th></th><th></th><th><u>1000 mg/kg</u></th><th><u>2500 mg/kg</u></th></t<>			Soils >4' bgs (GW 50-	<u>10,000 m</u>	<u>g/kg</u>	<u>&lt; 10 mg</u>	<u>/kg</u>							<u>&lt; 50 mg</u>	<u>/kg</u>							<u>1000 mg/kg</u>	<u>2500 mg/kg</u>
F5-3       10/17/2023       8       1090       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050	FS-1	10/17/2023	8	752		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		17.0		<10.0		17.0	17.0
F54       10/17/2023       8       32.0       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <	FS-2	10/17/2023	8	1630		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
F5-5       10/17/2023       6       32.0       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050	FS-3	10/17/2023	8	1090		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
F5-6       10/17/2023       4       32.0       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050	FS-4	10/17/2023	8	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
NSW-1       10/17/2023 <th<< td=""><td>FS-5</td><td>10/17/2023</td><td>6</td><td>32.0</td><td></td><td>&lt;0.050</td><td></td><td>&lt;0.050</td><td></td><td>&lt;0.050</td><td></td><td>&lt;0.150</td><td></td><td>&lt;0.300</td><td></td><td>&lt;10.0</td><td></td><td>&lt;10.0</td><td></td><td>&lt;10.0</td><td></td><td>-</td><td>-</td></th<<>	FS-5	10/17/2023	6	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
NSW-2       10/17/2023       32.0       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050       <0.050	FS-6	10/17/2023	4	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
ESW-1 10/17/2023 16.0 < 0.050 < 0.050 < 0.050 < 0.050 < 0.150 < 0.300 < 10.0 < 10.0 < 10.0 < 10.0 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 < 0.00 <	NSW - 1	10/17/2023	-	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
	NSW - 2	10/17/2023	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
SSW-1 10/17/2023 - 16.0 < 0.050 < 0.050 < 0.050 < 0.050 < 0.150 < 0.300 < 10.0 < 10.0 < 10.0 < 10.0	ESW - 1	10/17/2023	-	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
	SSW - 1	10/17/2023	-	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
SSW-2     10/17/2023     -     <16.0     <0.050     <0.050     <0.050     <0.150     <0.300     <10.0     <10.0     <10.0     <10.0	SSW - 2	10/17/2023	-	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-

NOTES:

Released to Imaging: 2/19/2024 11:24:18 AM

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 SM4500CI-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

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Incident ID	
District RP	
Facility ID	
Application ID	

## **Release Notification**

## **Responsible Party**

Responsible Party	COG Operating, LLC	OGRID	217817
Contact Name	Jacob Laird	Contact Telephone	(575) 703-5482
Contact email	Jacob.Laird@ConocoPhillips.com	Incident # (assigned by OCD)	NAPP2308946629
Contact mailing address	600 West Illinois Avenue, Midlar	nd, Texas 79701	

## **Location of Release Source**

Latitude \_\_\_32.0581

-103.3689

(NAD 83 in decimal degrees to 5 decimal places)

Site Name		Talco 9 26 3	35 Federal 0	03H	Site Type	Flowline
Date Release	Discovered	March 28, 2	2023		API# (if applicable)	
Unit Letter	Section	Township	Range		County	
Unit Letter	Section	Township	Kalige		County	
G	09	26S	35E		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)

Crude Oil	Volume Released (bbls) 14.2	Volume Recovered (bbls) 0
Produced Water	Volume Released (bbls) 33.2	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The release was caused by a leak on a flowline due to corrosion.

The release was off the 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.

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1 age	4

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release? Release is greater than 25 barrels.
🗌 Yes 🗌 No	
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

## **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.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

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:

Immediate notification was made by Jacob Laird on March 28, 2023 at 4:45 PM to ocd.enviro@ state.nm.us and BLM\_NM\_CFO\_Spill@blm.gov.

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 Brittany N. Esparza	Title: Environmental Technician
Signature:	Date: <u>3/28/2023</u> Telephone: (432) 221-0398
OCD Only Received by: Jocelyn Harimon	Date:03/30/2023

Released to Imaging: 2/19/2024 11:24:18 AM	10 OFFC-EE TOUTON		Spii	Il Calculation - Subsurface S	Spill - Rectangle	NAD	0000046600		Received by OCD: 11/15/2023 9:30:28 PM
3 ∠17 dth :.)	Average Depth (in.)	On/Off Pad (dropdown)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	NAPE Percentage of Oil if Spilled Fluid is a Mixture (%.)	P2308946629 Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)	Tota Coi unc 2
0	9.0	Off-Pad ∽	15.02%	18.16	2.73		0.82	1.91	
.0	9.0	Off-Pad ∽	15.02%	11.21	1.68	( /	0.51	1.18	
.0 .0	12.0	Off-Pad ∽	15.02%	39.16	5.88	( /	1.76	4.12	
.0	12.0	Off-Pad ∽	15.02%	23.14	3.48	( /	1.04	2.43	
.0 0 .0	12.0	Off-Pad ∽	15.02%	18.51	2.78	30%	0.83	1.95	
.0	12.0	Off-Pad ∽	15.02%	13.88	2.09	5070	0.63	1.46	
.0	12.0	Off-Pad ∽	15.02%	6.94	1.04		0.31	0.73	
.0	24.0	Off-Pad ∽	15.02%	38.45	5.77		1.73	4.04	
.0	24.0	Off-Pad ∽	15.02%	21.36	3.21		0.96	2.25	
1.41	PM 0.0	Off-Pad ∽	15.02%	124.60	18.71		5.61	13.10	
			Total Sr	ubsurface Volume Released:	47.3755		14.2126	33.1628	

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Received by OCD: 11/15/2023 9530:28 PM Form C-141 State of New Mexico

Oil Conservation Division

Incident ID	NAPP2308946629
District RP	
Facility ID	fAPP2203438309
Application ID	

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## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>&gt;57</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🗸 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	□ Yes 🖌 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🖌 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🖌 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🖌 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🖌 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🖌 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🖌 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🖌 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🖌 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🗸 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🗌 Yes 🗸 No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ✓ Field data
- Data table of soil contaminant concentration data
- $\checkmark$  Depth to water determination
- Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-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.

<b>Received</b> l	by OCD: 11/15/20239530228 PM State of New Mexico			Page 21 of 91
FOIIII C-1			Incident ID	NAPP2308946629
Page 4	Oil Conservation Division		District RP	
			Facility ID	fAPP2203438309
			Application ID	
regulatio public he failed to addition, and/or re Printed Signatu email: j	re: Jacob Laird I acob.laird@conocophillips.com	cations and perform co D does not relieve the to groundwater, surfac	rrective actions for rele operator of liability sh- ce water, human health ance with any other fe al Engineer	eases which may endanger ould their operations have or the environment. In
OCD O Receive		Date:06/	20/2023	

Received by OCD: 11/15/2023/95302284BM

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Oil Conservation Division

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

Incident ID	NAPP2308946629
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Facility ID	fAPP2203438309
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## **Remediation Plan**

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points **Solution** 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: \_\_\_\_\_\_ Laird\_\_\_ Date: 6/19/2023 email: jacob.laird@conocophillips.com Telephone: 575-703-5482 **OCD Only** 06/20/2023 Jocelyn Harimon Received by: Date: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Nelson Velez 09/18/2023 Date: Signature: Remediation plan is approved as written. COG has 90-days (December 18, 2023) to submit its

appropriate or final closure report.

Page 6

Oil Conservation Division

Incident ID	NAPP2308946629
District RP	
Facility ID	fAPP2203438309
Application ID	

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## Closure

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

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. Title: Program Manager Printed Name: Ike Tavarez Signature: Date: 11/15/2023 email: ike.tavarez@conocophillips.com Telephone: 432-685-2573 **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: \_\_\_\_\_ Title: \_\_\_\_\_ Printed Name:

## APPENDIX B Regulatory Correspondence

From:	Taylor, Shelly J
То:	Llull, Christian
Subject:	Re: [EXTERNAL] COP - TALCO 9 26 35 Federal #003H FL Release
Date:	Tuesday, June 13, 2023 5:36:33 PM
Attachments:	image001.png
	image002.png
	image003.png
	image004.png
	image005.png
	Outlook-ewcbba4r.png

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

## You are cleared to proceed.

Sincerely,

Shelly J Taylor

Environmental Protection Specialist Realty - Compliance

Bureau of Land Management/Carlsbad Field Office 620 E. Greene St Carlsbad, NM 88220 Direct 575.234.5706 Mobile 575.499.6831 sjtaylor@blm.gov

## Spill/Release email: BLM\_NM\_CFO\_REALTY\_SPILL@BLM.GOV

PLEASE NOTE: I have a new email address: sjtaylor@blm.gov



From: Llull, Christian <Christian.Llull@tetratech.com>
Sent: Tuesday, April 18, 2023 1:51 PM
To: Taylor, Shelly J <sjtaylor@blm.gov>
Subject: [EXTERNAL] COP - TALCO 9 26 35 Federal #003H FL Release

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

Shelly,

The **TALCO 9-26-35 Flowline Release** is just off pad on BLM land. See attached kmz. Site in Lea County, NM about 11.1 miles southwest of Jal on BLM land.

TALCO 9-26-35 Flowline Release API 30-025-43458 32.05816, -103.36893 DOR 3/28/23 Off-pad in Pasture Flowline Incident ID NAPP2308946629 BLM Land

We will plan to remediate in the next 60 days. Should I submit this to the CFO real estate email address <u>blm\_nm\_cfo\_realty\_spill@blm.gov</u>?

Christian Llull, P.G. | Program Manager Direct +1 (512) 338-2861 | Business +1 (512) 338-1667 | Fax +1 (512) 338-1331 | <u>christian.llull@tetratech.com</u>

**Tetra Tech** | *Leading with Science*<sup>®</sup> | OGA 8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | <u>tetratech.com</u>

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f 🗹 in 🞯 Please consider the environment before printing. <u>Read more</u>



## **Poole**, Nicholas

From:	Wells, Shelly, EMNRD <shelly.wells@emnrd.nm.gov></shelly.wells@emnrd.nm.gov>
Sent:	Tuesday, October 10, 2023 11:23 AM
То:	Poole, Nicholas; Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
Subject:	RE: [EXTERNAL] Incident ID: NAPP2308946629,- Confirmation Sampling

You don't often get email from shelly.wells@emnrd.nm.gov. Learn why this is important

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

Good morning Nicholas,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells \* Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive | Santa Fe, NM 87505 (505)469-7520 | Shelly.Wells@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/

From: Poole, Nicholas <NICHOLAS.POOLE@tetratech.com>
Sent: Tuesday, October 10, 2023 9:57 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Incident ID: NAPP2308946629,- Confirmation Sampling

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

Incident ID (n#) NAPP2308946629 (Talco 9-26-35 Federal 003H Flowline Release)

To whom it may concern,

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

Remediation activities of the release will begin Monday, October 16, 2023.

Thus, on behalf of ConocoPhillips for the above referenced incident, Tetra Tech is duly providing this communication which serves as notification that final confirmation sampling will be conducted at this site **Tuesday, October 17, 2023.** 

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

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

## Tetra Tech | Leading with Science® | OGA

8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | tetratech.com

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## APPENDIX C Site Characterization Data



(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced, O=orphaned, C=the file is closed)			2=NE 3=SW st to largest)	,	083 UTM in me	ters)	(In feet)
	POD Sub-	QQC	-	_			-	oth Depth Water
POD Number	Code basin Co	unty 64 16 4	Sec Tws	Rng	Х	Y	Distance W	ell Water Column
C 04601 POD1	CUB L	E 343	3 05 26S	35E 65	1710	3548919 🌍	2244	
CP 01305 POD1	CP L	.E 1 4	4 31 25S	37E 65	5628	3551065 🌍	3589 4	20 230 190
						Averag	e Depth to Wa	ter: 230 feet
							Minimum Dep	oth: 230 feet
							Maximum Dep	oth: 230 feet
Record Count: 2								

## UTMNAD83 Radius Search (in meters):

Easting (X): 653758.12

Northing (Y): 3548000.8

Radius: 4000

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.

Page 31 of 91	l

2120	C-MD	-03073	T	Ŀ	ETR	A TEC	н				LOG OF BORING DTW	Page 1 of 1
Projec	ct Na	me: Talo	o 9-26-	·35 F	Fed 3	зн						
3oreh	nole L	ocationGP	6 Coordina	ates:	32.0	05873	0°, -10	3.370	426°		Surface Elevation: 3166 ft	
Boreh	nole N	lumber: DT	W						E	Boreh Diame	ole 8 Date Started: 5/24/2023 Date Finished: 5/	24/2023
		Q.	(m	۲۲ (%)	ENT (%)			)EX			WATER LEVEL OBSERVATIONS         While Drilling $\underline{\nabla}$ DRY ft       Upon Completion of Drilling $\underline{\Psi}$ DRY ft         Remarks:	t
DEPTH (ft)	OPERATION TYPE	SAMIFLE ERLORIDE FIELD SCREENING (ppm)	UNC FIELD	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)		D PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	EMARKS
(										X	-SM- SAND: Brown, dry, fine- to coarse-grained,	
5											<b>-SM-</b> SAND: Light reddish brown, dry, fine-grained, weakly cemented	
_											-SC- CLAYEY SAND: Light reddish brown, dry, fine-grained, trace caliche nodules	
<u>10                                    </u>											-SC- CLAYEY SAND: Light brown to brown, dry, fine-grained, weakly cemented, trace caliche nodules	
<u>15</u>											-SM- SAND: Light reddish brown, dry, very fine- to fine-grained, weakly cemented	
20 ( - ( - ( 25 ()											-SP- SAND: Light reddish brown, loose, dry, very	
30 30 35												
40 45 50											-SM- SAND: Light reddish brown, loose, dry, very fine-grained	
55											Cuttings collected at 54 feet, soil sample dry	
	\\E										Bottom of borehole at 57.0 feet.	
Samp Types	oler S:	Split Spoon Shelby Bulk Sample Grab Sample			е	r T		: Mud Rota	ary tinuou nt Aug sh	s er	<ul> <li>Hand Auger</li> <li>Air Rotary</li> <li>Direct Push</li> <li>Core Barrel</li> <li>Notes:</li> <li>Surface elevation is an approximate value obtained fr Google Earth data.</li> </ul>	om
_ogge		Colton Bicke				+				ent: Air	r Rotary Driller: Scarborough Drilling	

Released to Imaging: 2/19/2024 11:24:18 AM

.

# OCD Karst Potential Map



4/10/2023, 3:00:00 PM Karst Occurrence Potential

Low



BLM, OCD, New Mexico Tech, Esri, HERE, Garmin, Earthstar Geographics

•

# OCD Waterbodies Map



4/10/2023, 2:58:34 PM

OSE Streams



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

•

# OCD - Mineral and Surface Ownership



5/8/2023, 3:25:26 PM

Mineral Ownership

A-All minerals are owned by U.S.

Land Ownership

BLM



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

•

## APPENDIX D Waste Manifest

## Received by OCD: 11/15/2023 9:30:28 PM



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End: 10/16	/2023	11:42 AM	
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(ell: 0C34			
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23 Test: Pass			
20 10011 1205			
25 Testing - PASS			
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Talco Fed	OP3 H

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	End: 10/1	16/2023	3 12:44 PM 12:58 PM	
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Page 39 of 91



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Page 41 of 91

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Customer: ConocoPhillips Company Driver: Karen Work ID/Licence:

TAlco Fed DO3H



a 124-3

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Hauler: M	oNabb	rrern				
Lease: Ti	8/00 8-20-	35 Federa	1		1.00	
Well: 00	311					
AFE #: N	State: Lt.	A (NM)				
4PI #: 5	3(1(12543400					
r t I amb	t I: N/A Company Ma	in: Ike Ta	verez			
	ie de Tick Type: Dump		M-01			
Truck DDM: D	Typa: Dump	1 11-2020				
LICOM Pa	111110	H-cost at				
PF Tes	t Kasılt:	ras >				
125 1	ast: Pass					
H2S T	esting – I Cí	<b>8:88</b> 0.0	01	\$0.00	\$0.00	
Pair	t Filter − Ci	- PASS CO	01	<b>\$0.00</b>	\$0.00	
NOR	M - PASS C1	C.O	01	<b>10.00</b>	\$0.00	
h,h	ditional F Cl	c0	01	10.00	\$0.00	
		tan tanan da tan tan tan tan	e y de la segui e consta d'acteur e	10.01	\$0.16	
	20			.+.	> \$0.16	

AN NOR



	WEIGHT T	ICKET-			
	Ticket #	190000	13 PM		
Sta	11ccet #	123 024	PE PM		
	1.10/16/eU	63 113-1		(m) (12)	
			FRICE	AMO JNT	
GROSS	TARE	NEI	-MICH	and the second second sectors which	
intaminared	Soil		10.01	\$0.16	
ntampra 16	CO	16	10.01		10
ZNO	the Partiers				
	Louis Hall				
river: V.C	5 9 26 3° F	ed			1
ease: Talc	10				
hell: 00,30					
AFE #: 1/1	Les IEA (N	(M)			
County, St.	ate: LEA (N				
API #: 200	5040400				
Manifest 1	:: N/A Npany Man: Solumber: 1	Ike Ta	varez		
		/Α			
Rig Name	& Number: 1	. N/A			
Truck typ	)81 Drunk	-11- FA			
LICOM - CLIVE	1				
and that it's	+ 10				
ES LAST	NUD AN YO	5>			
H2S Tas	t: Pass				
HES IS					
UDS TES	sting - PASS	8	01	10.00	\$0.00
H2S Tes	sting - PASS C1 C	5 0	01	10.00	\$0.00
	Filter - P		01	10.00	\$0.CO \$0.CO
Paint	Filter - P	ASS		\$0.00 \$0.00	
Paint NORM	Filber - Pi C1 - FASS	# <b>SS</b> CO CO	01	\$0.00 \$0.00	\$0.00
Paint NORM	Filter - Pi C1 - PASS C1 itional Pho	ASS CO CO	01	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00
Paint NORM	Filter - Pi C1 - PASS C1 itional Pho	ASS CO CO	01	\$0.00 \$0.00	\$0.00 \$0.00 \$0.00
Paint NORM	Filter - Pi C1 - PASS C1 itional Pho	ASS CO CO	01	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00
Paint NORM	CI CI Filter - Pi CI - PASS CI itional Pho CI	ASS CO CO	01	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00
Paint NORM	CI CI Filter - Pi CI - PASS CI itional Pho CI	ASS CO CO	01	\$0.00 \$0.00 \$0.00 \$0.00 \$0.01 \$UETOTAL	\$0.00 \$0.00 \$0.00 \$0.00 \$0.11
Paint NORM	CI CI Filter - Pi CI - PASS CI itional Pho CI	ASS CO CO	01	10.00 10.00 10.00 10.00 10.00 10.00 10.01 SUETOTAL TAX	\$0.00 \$0.00 \$0.00 \$0.00 \$0.11 > \$0.1 > \$0.1 > \$0.1
Paint NORM	CI CI Filter - Pi CI - PASS CI itional Pho CI	ASS CO CO	01	10.00 10.00 10.00 10.00 10.00 10.00 10.01 SUETOTAL TAX	\$0.00 \$0.00 \$0.00 \$0.00 \$0.11 > \$0.1 > \$0.1 > \$0.1
Paint NORM	CI CI Filter - Pi CI - PASS CI itional Pho CI	ASS CO CO	01	10.00 10.00 10.00 10.00 10.00 10.00 10.01 SUETOTAL TAX	\$0.00 \$0.00 \$0.00 \$0.00 \$0.11 > \$0.1 > \$0.1 > \$0.1
Paint NORM	CI Filter - Pi CI - FASS CI itional Pho CI	ASS CO CO tos CO	01 01 01	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.01 \$UE:TOTAL TAX ROUNDING TOTAL	\$0.00 \$0.00 \$0.00 \$0.00 \$0.11 > \$0.1 > \$0.1 > \$0.1
Paint NORM	CI Filter - Pi CI - FASS CI itional Pho CI	ASS CO CO tos CO	01 01 01	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.01 \$UE:TOTAL TAX ROUNDING TOTAL	\$0.00 \$0.00
Paint NORM	CI CI Filter - Pi CI - PASS CI itional Pho CI	ASS CO CO tos CO	01 01 01 Phijlips	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.01 \$UE:TOTAL TAX ROUNDING TOTAL	\$0.00 \$0.00 \$0.00 \$0.00 \$0.11 > \$0.1 > \$0.1 > \$0.1



		HT TICK		
		t <b># 1</b> 99		
			03:43 PM	
End		/2023 0		
GR068		OWL.IVa	FRICE	AMO JNT
131065	INAL	NE I	FRICE	AND JN I
Contaminated So	oil		and a second second second second second	
			\$0.01	\$0.18
Hauler: McNabb				
Driver: Acie Ma				
Lease: Talco 9	56 32 1	Ped		
Well: OC3H				
AFE #: N/A				
County, State:		M)		
API #: 30025434				
Client Company			rez	
Rig Name & Numb				
Trucking Co Tie				
Truck Type: Be	lly D.m	ps		
UOM: Cuird				
UOM Count: 18				
PF Test Rasult				
H2S Test: Pass				
1000 10 12 1	0.400			
H2S Testing -			10.00	00-00
C1	υu	01	\$0.00	\$0.00
Paint Filter -	PASS			
C1	CO	01	\$0.00	\$0.00
		1000		
NORM - FASS				
C1	CO	01	\$0.00	\$0.00
Additional Pho		9449	17125 V0000	
C 1	CO	01	\$0.00	\$0.00
22	eensis (nistens oo b		\$0.01	\$0.18
				> \$0.18
				> \$0.01
				> \$0,00
			TOTAL	> \$0.19
Customer: Cond	coEbil1	line Com	naro	
THE PRINT HERE AND A MARKED AND A	16UF 11111	11/2 001	the carry	
Driver: Karen				

Page 46 of 91



WEIGHT TICKET Ticket # 199989 Start:10/17/2023 11:46 AM End:10/17/2023 11:52 AM By:DWL.Ivan					
GROSS T			RICE	AMO JNT	
auler: McNabb	CO Partners		10.01	\$0.18	
river: Abie Ma Base: Talco 9 Bll: 003H	ayberny 28 35 Fe	d			
FE #: N/A bunty, State: PI #: 3002543	458	)			
anifest ⊨: N/ lient Company ig Name & Num	Man: Iki	e Tavaro	2		
rucking Co Ti ruck Typa: Be	cket ‡:	N/A			
OM: CuYd OM Court: 18 F Tast Rasuli 12S Tast: Pass				¥)	
	DACO				
25 Testing -	PASS CO	01	<b>10.00</b>	\$0.00	
25 Testing - C1 Paint Filter	00 - PASS				
25 Testing - C1	CO				
25 Testing - C1 Paint Filter C1	00 - PASS	01		<b>\$0.</b> 00	
25 Testing - C1 Paint Filter C1 NORM - FASS	CO - PASS CO	01	₩0.00	\$0.00 \$0.00	
25 Testing - C1 Paint Filter C1 NORM - FASS C1	CO - PASS CO	01	<b>10.00</b>	<b>\$0.</b> 00	
25 Testing - C1 Paint Filter C1 NORM - FASS C1 Additional Pf	CO - PASS CO CO Kotos	01	₩0.00	\$0.00 \$0.00 \$0.00	
25 Testing - C1 Paint Filter C1 NORM - FASS C1 Additional Pf C1	CO - PASS CO CO Kotos	01	10.00 10.00 10.00 10.01 SUETOTAL	\$0.00 \$0.00 \$0.00 \$0.18 > \$0.18	
25 Testing - C1 Paint Filter C1 NORM - PASS C1 Additional Ph C1	CO - PASS CO CO Kotos	01	\$0.00 \$0.00 \$0.00 \$0.01 \$UETOTAL TAX ROUNDING	\$0.00 \$0.00	

Customer: ConocoFhillips Company Driver: Karen Work ID/Liberce:

LA

Tales Fed 003H

still



WEIGHT T Ticcet # Start:10/17/20 End:10/17/20	023 11: 03 11:5	A AM		
RA:DMT	leslie NET	PRICE	AMO JNT	
GROSS TARE	18-1 - 18-19-19-19-19-19-19-19-19-19-19-19-19-19-			
ontaminated Soil 14 CO Hauler: McNabb Driver: Villera Fardy Lease: Talco 9-26-35 f Well: OC3H AFE #: WA(0000733600;W County, State: LEA (M API #: 90:02543456 Manifest 1:: N/A Client Company Man: Rig Name &: Number: Trucking Co Ticket Trucking Co Ticket Truck Type: Dump/ T UDM: Cuird UDM Court: 14 PF Test Result: Fa H2S Testing - PAS C1	Federal (MM) (Ke Tav (/A t: N/A (-uck M- as)	-35	\$0.14	\$0.00
mint Filter			10.00	\$0.00
NDRM - FASS C1	0.0	01	40.00	\$0.00
Additional Pt C1	iotos CO	01	£0.00	\$0.00
and the second		19 10-10-10-10-10-10-10-10-10-10-10-10-10-1	<del>]</del> :0.01	\$0.14
18			TAX	> \$0.14 > \$0.01 > \$-0.00 > \$0.15
			Company	

÷.

ł

WEIGHT TICKET Ticket # 199993 Start:10/17/2023 12:03 PM End:10/17/2023 12:14 PM B/:DWL.Ivan GROSS TARE NET SRICE AMOUNT						
GRUES	TAHE	NET	FRICE	AMO JNT		
Hauler: McNab Driver: Isaia Lease: Talco Well: OC34 AFE #: N/A	CO b Partner h Garcia 9 26 35 F	s ed	\$0.01	\$0.08		
County, State MAPI #: 300254 Client Compan Rig Name & Nu	3458 y Man: Ik	e lava	arez			
Trucking Co T Truck Type: D UOM: CuYd	icket 1:					
UOM Court 3 PF Test Rosul H2S Test: Pas			常生			
	At and	Ha				
H2S Testing C1	CO	01	\$0.00	\$0.00		
Paint Filter - Cl	- PASS CO	01	\$0.00	\$0.00		
NORM - FASS						
C1	CO	01	\$0.00	\$0.00		
Additional Pho Cl	co CO	01	\$0.00	\$0.00		
12		a. 11 (nam an) 1	\$0.01	\$0.08		
			TAX ROUNDING	> \$0.08 > \$0.00 > \$0.00 > \$0.08		

WEIGHT TICKET Ticket # 200011			
	10 11		
C-4. 10/11/2023 1.2.	Feet a start		
By:OWI. TESTIC		AMO JNT	
GROSS TARE NET			4
ontaminated Soil	10.01	\$0.18	
18	0.2		
Hauler: McNabb Driver: Acia Mayterry Driver: Acia Mayterry			
Driver: Acie Mayler , Lease: Talco 9 20 35 Federal			
11 - 1 - 2 -			
AFE #: MA(N)D0733500 County, State: LEA (NM)			
County, 50012543458			
Manifest I: N/A	Jar 82		
Client Company Ment			
gia Name & Number 1 N/A		35	
Trucking Co Ticket 4: MVF Truck Type: Belly Dumps/ T	FLICK AF	50	
INM: JUYA			
Law manufes 18			
PF Test Result: Fass H2S Test: Pass			
HZS TEST. THE			
PASS		10.00	\$0.00
H2S Testing - PASS C1 CO	01	00.00	
Paint Filter - PASS		+0.00	\$0.00
Paint Filler CO	01	10.00	
. G I			
an a 197		20	\$0.00
NORM - FASS	01	\$0.00	001
λ <sub>μ</sub> 1			
i at the			\$0.00
Additional Photos	01	\$0.0¢	\$0.00
C1			
			\$0.1
na na manana na mana 1929 - 1930 - 1930 - 1930 - 1930 - 1930 - 1930 - 1930 - 1930 - 1930 - 1930 - 1930 - 1930 - 1930 - 1930 - 1930 -		\$0.01	
C. L.		SUBTOTAL	> \$0.1
		TAY	> 50.1
		FICILINDING	> \$0. > \$0.
		TUTAL	

Released to Imaging: 2/19/2024 11:24:18 AM TAICA

## Customer Copy

	Start: End:1	J/11/20 B + rim	<b># 2000</b> 1 2023 02 023 02 •	17 • 50 m	
GROSS	TARE			FRICE	AMO JN
Contaminar		***** 1.6***********			
<ul> <li>C8</li> <li>Hauler: Mo</li> <li>Driver: Is</li> <li>Lease: Talk</li> <li>Well: OC3R</li> <li>AFE #: N/A</li> <li>Dounty, Sta</li> <li>API #: 3002</li> <li>Client Comp</li> <li>Rig Name &amp;</li> <li>Trucking Co</li> <li>Trucking Co</li> <li>Trucking Co</li> <li>Truck Type:</li> <li>UDM: CuYd</li> <li>UDM: Cuyd</li> <li>UDM: Court: B</li> <li>PF Test Resu</li> <li>H2S Test: Pa</li> </ul>	Nabb Per aiah Gero 20 9 26 3 te: LEA 543458 any Man: Number: Ticket : Dump Tr. lt: Fase	sia 35 Fed (NM) Ike Ta V/A I: N/A I: N/A		\$0.01	\$0.08
H2S Testing - C1	- PASS CO	01	\$0	.00	\$0.00
Paint Filter C1	- PASS CO	01	\$0.	00	\$0.00
NOON					
NORM - FASS C1	CO	01	\$0.(	00	\$0.00
Additional Pho	tos				
C 1		01	\$0.0	0	\$0.00
12		11 / 11 - <b>11 / 1</b> 1 - 11 / 1	\$0.0	·····	
					\$0.08
			UUNDIN	X>	\$0.00 \$0.00
ustomer: Conoco river: Karen Wo Mulberce:	Fhillips rk	Compar	'y		



	WEIGHT			
	liccet #	200035	j.	
Start	:10/17/2	023 03	:57 PM	
End:	10/17/20	23 04:0	Da PM	
	B::DWL	.Ivan		
GROSS TA	RE	NET	PRICE	AMO JNT
	1			
ontaminated Soi 18		18	\$0.01	\$0.18
auler: McNabb F	0.000			
river: Acia May	/berry			
ease: Talco 9 2	28 35 Fe	d		
le11: 003/1				
NFE #: N/6				
County, State:	LEA (NM)			-
APT #: 30025434	58			
Client Company	Man: Ike	Tavari	ii Z	
Rig Name & Numb	er: N/A	27.47		
Trucking Co lic	:ket 4: №	I/A		
Truck Typa: Bel	ly Dumpe	5		
UOM: SuYd				
UDM Count: 18				
PF Test Result				
H2S Test: Pass				
H2S Testing -	DACS			
HZ5 Testing	CO	01	10.00	\$0.00
42.3	0.0			
Paint Filter -	PASS			00.00
61	0.0	01	\$0.00	\$0.00
11 M. M.				
NORM - PASS			10.00	\$0.00
C1	CO	01	10.00	\$0.00
-				
Additional Ph	otos	01	10.00	\$0.00
C1	CO	01	10.00	410100
22			\$0.01	\$0.18
			Car a long man and state 1.1	> #0 10
				> \$0.18
				> \$0.01
			HUUNDING	> \$0.00 > \$0.19
			TUTAL	
Customer: Co	nccoFhil	lips C	ompany	
Driver: Kare	en Work			
ID/Liperce:				
11 The 1 Let				

Talco Fid 003H Acie TRUCK MR3 Released to Imaging: 2/19/2024 11:24:18 AM

## Customer Cccv

-----WEIGHT TICKET-----Ticket # 200158 Start:10/18/2023 10:20 AM End: 10/18/2023 10:26 AM By:DWL.Ivan GROSS TARE NET PRICE **AMO JNT** Contaminated Soil 18 0.01 \$0.18 Hauler: Makabb Partners Driver: Acie Mayter y Lease: Talco 9 26 35 Fed Well: 003H AFE #: 1/4 County, State: LEA (NM) API #: 0002543458 Client Company Man: Ike Tavarez Rig Name & Number: N/A Trucking Co Ticket 4: N/A fruck Type: Belly Dumps UDM: Durd UDM Count: 18 PF Test Result: Fast H2S Test: Pass H2S Testing - PASS \$0.00 C1 C0 01 \$0.00 Paint Filter - PASS CO 01 10.00 \$0.00 C 1 NORM - FASS \$0.00 C1 C0 01 10.00 Additional Photos \$0.00 C1 C0 01 \$0.00 \$0.18 10.01 22 SUETOTAL ---> \$0.18 TAX ----> \$0.01 REUNDING ----> \$0.00 TOTAL: ---> \$0.19 Customer: Concophillips Company Driver: Karen Work [D/Liperce: Taleo Fed 003H Acie Truck M83



	-WEIGHT	TICKET		
	liccet 4	20016	1	
	:10/18/2			
End:	10/18/20	023 10:	EB AM	
	Ey::wl.			
		NET		AMO JNT
STANDOR 1		A029-94	A Garantin	
Contaminated So	i l			
	0.0	60	10.01	\$0.08
Hauler: McNabb				
Driver: loaiah	Garcia			
Lease: Talco 9	28 35 Fe	deral		N <sub>C</sub> L <sup>#C</sup> L
Well: 3 H				Ca 1
AFE #: N/h				1 -
County, State:	LEA (NM)	)		1.14
API #: 30025434	58			
Manifest N: 027	5326			
Client Company	Man: Ik	e Tavar	6 Z	
Rig Name & Numb	her: V/A			
Trucking Co Tio	sket 4:	NZA		
Truck Typa: Du				
LIDM+ DUVA				
UDM Count. 3	- date	-pi -	148 LL	
PF Test Result	· Fast			
H2S Test: Pass				
NEG 1850, 1400				
K-g				
	arran 1			
H2S Testing -	PASS		2	State
H2S Testing - C1	CO	01-	\$0.00	\$0.00
H2S Testing - C1	CO	01-	\$0.00	\$0.00
H2S Testing - C1	CO	01-	\$0.00	\$0.00
C1	CO			
H2S Testing - C1 Paint Filter - C1	CO		\$0.00 \$0.00	\$0.CO \$0.CO
C1 Paint Filter	C.0 - P#.SS			
C1 Paint Filter	C.0 - P#.SS			
C1 Paint Filter - C1	C.0 - P#.SS			-\$0.00
C1 Paint Filter	C.0 - P#.SS		<b>≵0.00</b>	
C1 Paint Filter - C1 NDRM - FASS	CO - PASS CO	01	<b>≵0.00</b>	-\$0.00
C1 Paint Filter - C1 NDRM - FASS	CO - PASS CO	01	<b>≵0.00</b>	-\$0.00
C1 Paint Filter C1 NDRM - FASS C1	CO - PASS CO CO	01	\$0.00 \$0.00	\$0.00 \$0.00
C1 Paint Filter - C1 NDRM - FASS	CO - PASS CO CO	01	<b>≵0.00</b>	-\$0.00
C1 Paint Filter - C1 NDRM - FASS C1 Additional Pf	CO - PASS CO CO	01	\$0.00 \$0.00	\$0.00 \$0.00
C1 Paint Filter - C1 NDRM - FASS C1 Additional Pf	CO - PASS CO CO	01	\$0.00 \$0.00	\$0.00 \$0.00
C1 Paint Filter - C1 NDRM - FASS C1 Additional Pf	CO - PASS CO CO	01	\$0.00 \$0.00 \$0.00	-\$0.00 \$0.00 \$0.00
C1 Paint Filter - C1 NDRM - FASS C1 Additional Pf	CO - PASS CO CO	01	\$0.00 \$0.00	-\$0.00 \$0.00 \$0.00
C1 Paint Filter C1 NORM - FASS C1 Additional Ph C1	CO - PASS CO CO	01	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00
C1 Paint Filter C1 NORM - FASS C1 Additional Ph C1	CO - PASS CO CO	01	\$0.00 \$0.00 \$0.00 \$0.00 \$0.01 \$UETOTAL	-\$0.00 \$0.00 \$0.00 \$0.00
C1 Paint Filter C1 NORM - FASS C1 Additional Ph C1	CO - PASS CO CO	01	\$0.00 \$0.00 \$0.00 \$0.00 \$0.01 \$UETOTAL TAX	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
C1 Paint Filter C1 NORM - FASS C1 Additional Ph C1	CO - PASS CO CO	01	\$0.00 \$0.00 \$0.00 \$0.00 \$0.01 \$UETOTAL TAX ROUNDING	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
C1 Paint Filter C1 NORM - FASS C1 Additional Ph C1	CO - PASS CO CO	01	\$0.00 \$0.00 \$0.00 \$0.00 \$0.01 \$UETOTAL TAX ROUNDING	\$0.00 \$0.00 \$0.00 \$0.00

Driver: Karen Work ID/Licence:

Rec	Received by OCD: 11/15/2023 9:30:28 PM (Authorized Agent's Printed N (Authorized Agent's Printed N	ame and Title) MANIFE age #4 of 9
North		Nº 0275326
1	214.292.2011	
TRA	ar@ndblandfill.com	
	COMPANY NAME: DATE:	
	LEASE	
	AFE #: API: QUANTITY:	BBLS
	RIG NAME:	
	STATE & COUNTY ORIGIN:	VARDS
-		RCRA Non-Exempt
Generator	Water Based Cuttings (DRY)     Water Based Cuttings (WET)     Contaminated Soi	
era	Image: Contract of the sector of the sect	Non-Injectable Fluids Tank Bottoms
ien	Rig Trash   Pit Liners	I Tank Bottoms
5		
rt 1	i i i i i i i i i i i i i i i i i i i	1988 regulatory determination, the above described waste load
Pai	RCRA EXEMPT: Oilfield wastes generated from oil and gas exploration and production operations and are n certifications on a per load basis only)	ot mixed with non-exempt waste (NDBL Accepts
	RCRA NON-EXEMPT: Oilfield waste which is non-hazardous that does not exceed the minimum standards for waster the contract of the contract	te hazardous by characteristics established in RCRA
	regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, demonstrating the waste as non-hazardous is attached. (Check the appropriate items as pro	subpart D, as amended. The following documentation vided)
	SDS Information 🔤 RCRA Hazardous Waste Analysis 🔤 Process Knowledge	Other (Provide Description Below)
	Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of waste determination and a description of that waste must accompany this form)	Public Safety (the order, documentation of non-hazardous
	(Print) Authorized Agent's Name Date Signat	ure
	TO BE COMPLETED BY THE TRANSPORTER WHILE THE GENERATOR IS	PRESENT
porter	COMPANY NAME: YARD #: WHP #:	
por	ADDRESS: TICKET #: ROLL OF	
Isu	CONTR   TIME   AM   DISPATCHER     RECEIVED:   RECEIVED:   PM   NAME:	DISPATCHER
Trans	RECEIVED: RECEIVED: PM NAME: The following statement must be signed by the truck driver <u>prior</u> to unloadin	PHONE #:
2-	"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF N	IATERIAL DESCRIBED IN PART 1 ABOVE."
Part	DRIVER: DRIVER'S SIGNATURE:	
đ	I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCU	RATE TO THE BEST OF MY KNOWLEDGE
	TO BE COMPLETED BY OWL LANDFILL EMPLOYEES	
ty	FACILITY RECEIVED AT (Check One):         DATE:         TIME	IN: AM / PM
cili	Northern Delaware Basin Landfill	OUT: AM / PM
<b>Disposal Facility</b>	2029 W. NM Highway 128   Jal, New Mexico 88252 WASHOUT BY: WASHOUT: 1	TIME IN: TIME OUT:
osa		
isp	ACCEPTANCE TESTING: PAINT FILTER: PASS FAIL N/A NORM Shake O TCLP: PASS FAIL N/A TESTING: 1 2	
1	(Less than 50	7 200.01
m	M SERVICE NOTES:	Gallon Test:
Part	Employee (Printed Name) has received the above indicate facility and the waste has been	d waste, waste has passed all acceptances testing of this disposed of in an authorized manner at a permitted site.
	EMPLOYEE SIGNATURE:	
	Refeased to Imaging. 2/17/2024 1 White Copy Disposal Facility Yellow: Transporter Pink: Gen	erator

		EIGHT TIC	KET		
	14	ccet # 20	0178		
	Ctort:1	0/18/2023	3 12:30	PM	
	Start, 1	/18/2023	12:37 P	Μ	
	μ. Είτου, το	::wl.ger	aldine		
~~~~			r PRI	ICE AM	TNLO
GROSS	THOU				
Contaminato 18	ed Soil C	0 1	3 \$0	.01 \$	0.18
Hauler: Mo					
metwar. W:	ia Mayt	erry			
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Driver: Karen Work ID/Liperce:

TALCH Fad 003 H Released to Imaging: 2/19/2024 11:24: 19 MAN TRUCK M&3



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WEIGHT TICKETliccet # 200203 Start:10/18/2023 02:58 PM End:10/18/2023 03:07 PM By:OWL.Ivan **TINL OMA** FRICE NET TARE 63055 \$0.18 Contaminated Soil 10.01 18 0.0 18 Hauler: McNabb Parthers Driver: Acia Mayberry Lease: Talco 9 28 35 Fed Well: OC3H AFE #: N/4 County, State: LEA (NM) API #: 0002543459 Client Company Men: Ike Tavarez Rig Name & Number: V/A Trucking Co Ticket #: N/A Truck Type: Belly Dumps UDM: Jurd UDM Court: 18 PF Test Rusilt: Fase H2S Tast: Pass \$0.00 H2S Testing - PASS 10.00 01 0.) 0.1 Paint Filter - PASS \$0.00 10.00 01 00 C1 \$0.00 40.00 NORM - FASS 01 00 01 \$0.00 Additional Photos 10.00 01 0.0 10 \$0.18 10.01 22 SUETOTAL ---> \$0.18 TAX ---> \$0.01 FICHINDING ---> \$0.00 TOTAL ---> \$0.19 Customer: ConccoFhillips Company Driver: Karen Work ID/Liperca:

TALED FED DO3H ACIE TRUCK M83

Released to Imaging: 2/19/2024 11:24:18 AM

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## Customer Copy

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	Customer: Conc	cofhill	ips C	ompeny	
	Driver: Karen				

#### ner

----- WEICHI TICKET-----Ticcet # 200300 Start:10/10/2023 10:21 AM End:10/19/2023 10:30 AM By:owl.ary GROSS TARE NET RICE AMU INT Contaminated Soil 18 0.0 13 10.01 \$0.18 Hauler: McNabb Partners Driver: Acia Mayterry Lease: Talco 9 26 35 Federal Well: 0034 AFE #: N/4 County, State: LEA (NM) AP1 #: 3002543458 Manifest 4: 23 Client Company Man: Ike Tavarez Rig Name & Number: N/A Trucking Co Ticket 4: N/A Truck Type: Belly Dumps DOM: DUYd. UOM Court: 18 PF Test Result: Pass H2S Test: Pass H2S Testing - PASS \$0.00 01 00 01 \$0.00 Paint Filter - PASS 01 \$0.00 \$0.00 01 0.3 NORM - FASS \$0.00 \$0.00 01 0.0 01 Additional Photos 10.00 \$0.00 01 0.0 03 10.01 \$0.18 22 SUBTOTAL ----> \$0.18 TAX ---> \$0.01 ROUNDING ---> \$0.00 TOTAL ----> \$0.19 Castoner, Casson in Huss Constera-Brigger: Karen Wark 10/4.1pendet

TA/QO FED 003 H Released to Imaging: 2/19/2024 11:24:18 AMACIE TELA MOS



Page 60 of 91

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Customer: ConocoPhillips Company Driver: Karan Work ID/Lipercu:

Released to Imaging: 2/19/2024 11:24:18 AM Juner Rdy



		HT TICKET		
		t <b># 20</b> 032		
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Customer: ConocoFhillips Company Driver: Karen Work ID/Liperca:



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Rece	wed by OCD: 11/15/2023	Landfill Servie 9:30:28 PM	ces, LLC	COMPANY MAN	(Authorized Ag	gent's Printed Name a	and Title)	MANIPE	el 65 of 91
North		01 Preston Rd., Su Dallas, TX 7522	ite 520	SIGNATURE:			Ne	02763	29
-		214.292.2011	Part Indian	COMPANY MAN					
	Propis Promier LBY Walte	ar@ndblandfill.co	om	COMPANY MAN	PHONE:				
					DAT	re:			
	LEASE:				PHC	PHONE:			
	AFE #: API:					ANTITY:		BB	LS
	RIG NAME: WELL #:				-				RDS
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Gel	Rig Trash	Pit Li	ners				-		
1	Other:					e Washout?	Yes	No No	
rt 1	I hereby certify that according to the I is (Check the appropriate classification	n)							
Part	CRA EXEMPT:	Oilfield wastes generated certifications on a per load	from oil and gas e d basis only)	exploration and prod	uction operatio	ins and are not mi	xed with non-exer	npt waste (NDBL Acc	cepts
16	□ RCRA NON-EXEMPT:	Oilfield waste which is no regulations, 40 CFR 261.2	n-hazardous that o	does not exceed the	minimum stand	dards for waste ha	zardous by charac	teristics established	in RCRA
		demonstrating the waste	as non-hazardous	is attached. (Check	he appropriate	items as provided	i)		mentation
		SDS Information	RCRA Hazardo	us Waste Analysis	Process K	nowledge	Other (Provide)	Description Below)	
	EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of that waste must accompany this form)								
	(Print) Authorized Agent's Name			Date		Signature			
-		TO BE COMPLETED	BY THE TRAN	SPORTER WHIL	E THE GENE	RATOR IS PRE	SENT		
porter	COMPANY NAME:								
	ADDRESS:					ROLL OFF BI			1. 1.
Trans		IME RECEIVED:	D AM PM	DISPATCHER NAME:			DISPATO PHONE		
F-	The following statement must be signed by the truck driver <u>prior</u> to unloading at disposal facility:								
t 2	"I CERTIFY THAT NO OTHER MATERIAL HAS BEEN PLACED IN THIS VESSEL SINCE LOADING OF MATERIAL DESCRIBED IN PART 1 ABOVE."								
Part	DRIVER: DRIVER'S SIGNATURE:								
-	I, (TRANSPORTER), CERTIFY THAT THE INFORMATION GIVEN ON THIS MANIFEST IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE								
-			J BE COMPLET	ED BY OWL LA	NDFILL EMP				
<b>Disposal Facility</b>	FACILITY RECEIVED AT (Check One):     DATE:     TIME IN:     AM / PM       TIME OUT:     AM / PM								
Fac	Northern Delaware Basin Landfill     2029 W. NM Highway 128   Jal, New Mexico 88252     WASHOUT BY:								
le	WASHOUT: TIME IN: TIME OUT:								
od	ACCEPTANCE TESTING: PAIL		AIL N/A	NORM	21.065	Shake Out:	19	2003	307
Dis	TCL TOX		AIL N/A	TESTING:	1	2	3	H,	1.17
m	SERVICE NOTES:			(Less than 50 MCR)	H <sub>2</sub> O S			Gallon Test:	
Part	This is to certify that:	Employee (Pr	inted Name)	ha	s received the al	bove indicated was	ste, waste has pass	ed all acceptances tes	ting of this
	EMPLOYEE SIGNATURE:			fa	uity and the wa	ste has been dispo	sed of in an author	ized manner at a pern	nitted site.
Rele	ased to Imaging: 2/19/202	4 11:24:18 AM Dis	posal Facility	Yellow: Tran	portor	Pink: Generat	or	A REAL PROPERTY AND	

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### APPENDIX E Photographic Documentation



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	Site signage. Talco 9 26 35 Federal 3H and location information.	1
212C-MD-03073A	SITE NAME	Talco 9-26-35 Federal #003H Flowline Release	3/31/2023



	TETRA TECH, INC. PROJECT NO. 212C-MD-03073A	DESCRIPTION	subsurface steel line.	2
		SITE NAME	Talco 9-26-35 Federal #003H Flowline Release	4/19/2023

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Site Conditions/HA-2 Sampling Location Tetra Tech

	TETRA TECH, INC. PROJECT NO. 212C-MD-03073A	DESCRIPTION	View west. Initial Response excavation, residual staining.	4
		SITE NAME	Talco 9-26-35 Federal #003H Flowline Release	4/19/2023



Tetra Tech 18 Oct 2023

TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View east-northeast. Easternmost section of excavation.	6
212C-MD-03073A	SITE NAME	Talco 9-26-35 Federal #003H Flowline Release	10/18/2023

Talco 9-26-35 Federal 003H






# APPENDIX F Analytical Laboratory Data – Remediation



October 18, 2023

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

RE: TALCO 9-26-35 FEDERAL 003H

Enclosed are the results of analyses for samples received by the laboratory on 10/17/23 16:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	10/17/2023	Sampling Date:	10/17/2023
Reported:	10/18/2023	Sampling Type:	Soil
Project Name:	TALCO 9-26-35 FEDERAL 003H	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03073 A	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

# Sample ID: FS - 1 (H235686-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2023	ND	1.92	96.2	2.00	0.422	
Toluene*	<0.050	0.050	10/18/2023	ND	1.90	95.1	2.00	2.17	
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.00	99.8	2.00	2.79	
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.01	100	6.00	2.75	
Total BTEX	<0.300	0.300	10/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	10/18/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	172	86.2	200	0.565	
DRO >C10-C28*	17.0	10.0	10/18/2023	ND	160	80.2	200	0.840	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

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\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/17/2023	Sampling Date:	10/17/2023
Reported:	10/18/2023	Sampling Type:	Soil
Project Name:	TALCO 9-26-35 FEDERAL 003H	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03073 A	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

# Sample ID: FS - 2 (H235686-02)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2023	ND	1.92	96.2	2.00	0.422	
Toluene*	<0.050	0.050	10/18/2023	ND	1.90	95.1	2.00	2.17	
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.00	99.8	2.00	2.79	
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.01	100	6.00	2.75	
Total BTEX	<0.300	0.300	10/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1630	16.0	10/18/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	172	86.2	200	0.565	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	160	80.2	200	0.840	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	107	48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/17/2023	Sampling Date:	10/17/2023
Reported:	10/18/2023	Sampling Type:	Soil
Project Name:	TALCO 9-26-35 FEDERAL 003H	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03073 A	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

# Sample ID: FS - 3 (H235686-03)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2023	ND	1.92	96.2	2.00	0.422	
Toluene*	<0.050	0.050	10/18/2023	ND	1.90	95.1	2.00	2.17	
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.00	99.8	2.00	2.79	
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.01	100	6.00	2.75	
Total BTEX	<0.300	0.300	10/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	10/18/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	172	86.2	200	0.565	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	160	80.2	200	0.840	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	96.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/17/2023	Sampling Date:	10/17/2023
Reported:	10/18/2023	Sampling Type:	Soil
Project Name:	TALCO 9-26-35 FEDERAL 003H	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03073 A	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

# Sample ID: FS - 4 (H235686-04)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2023	ND	1.92	96.2	2.00	0.422	
Toluene*	<0.050	0.050	10/18/2023	ND	1.90	95.1	2.00	2.17	
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.00	99.8	2.00	2.79	
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.01	100	6.00	2.75	
Total BTEX	<0.300	0.300	10/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/18/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	172	86.2	200	0.565	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	160	80.2	200	0.840	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	106 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/17/2023	Sampling Date:	10/17/2023
Reported:	10/18/2023	Sampling Type:	Soil
Project Name:	TALCO 9-26-35 FEDERAL 003H	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03073 A	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

# Sample ID: FS - 5 (H235686-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2023	ND	1.92	96.2	2.00	0.422	
Toluene*	<0.050	0.050	10/18/2023	ND	1.90	95.1	2.00	2.17	
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.00	99.8	2.00	2.79	
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.01	100	6.00	2.75	
Total BTEX	<0.300	0.300	10/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 \$	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/18/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	172	86.2	200	0.565	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	160	80.2	200	0.840	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	91.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Received:	10/17/2023	Sampling Date:	10/17/2023
Reported:	10/18/2023	Sampling Type:	Soil
Project Name:	TALCO 9-26-35 FEDERAL 003H	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03073 A	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

# Sample ID: FS - 6 (H235686-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2023	ND	1.92	96.2	2.00	0.422	
Toluene*	<0.050	0.050	10/18/2023	ND	1.90	95.1	2.00	2.17	
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.00	99.8	2.00	2.79	
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.01	100	6.00	2.75	
Total BTEX	<0.300	0.300	10/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/18/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	172	86.2	200	0.565	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	160	80.2	200	0.840	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	96.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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

Received:	10/17/2023	Sampling Date:	10/17/2023
Reported:	10/18/2023	Sampling Type:	Soil
Project Name:	TALCO 9-26-35 FEDERAL 003H	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03073 A	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

### Sample ID: NSW - 1 (H235686-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2023	ND	1.92	96.2	2.00	0.422	
Toluene*	<0.050	0.050	10/18/2023	ND	1.90	95.1	2.00	2.17	
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.00	99.8	2.00	2.79	
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.01	100	6.00	2.75	
Total BTEX	<0.300	0.300	10/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/18/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	172	86.2	200	0.565	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	160	80.2	200	0.840	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	96.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/17/2023	Sampling Date:	10/17/2023
Reported:	10/18/2023	Sampling Type:	Soil
Project Name:	TALCO 9-26-35 FEDERAL 003H	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03073 A	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

### Sample ID: NSW - 2 (H235686-08)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2023	ND	1.92	96.2	2.00	0.422	
Toluene*	<0.050	0.050	10/18/2023	ND	1.90	95.1	2.00	2.17	
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.00	99.8	2.00	2.79	
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.01	100	6.00	2.75	
Total BTEX	<0.300	0.300	10/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/18/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	172	86.2	200	0.565	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	160	80.2	200	0.840	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	86.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.1	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/17/2023	Sampling Date:	10/17/2023
Reported:	10/18/2023	Sampling Type:	Soil
Project Name:	TALCO 9-26-35 FEDERAL 003H	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03073 A	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

### Sample ID: ESW - 1 (H235686-09)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2023	ND	1.92	96.2	2.00	0.422	
Toluene*	<0.050	0.050	10/18/2023	ND	1.90	95.1	2.00	2.17	
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.00	99.8	2.00	2.79	
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.01	100	6.00	2.75	
Total BTEX	<0.300	0.300	10/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/18/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	172	86.2	200	0.565	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	160	80.2	200	0.840	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	95.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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

Received:	10/17/2023	Sampling Date:	10/17/2023
Reported:	10/18/2023	Sampling Type:	Soil
Project Name:	TALCO 9-26-35 FEDERAL 003H	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03073 A	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

### Sample ID: SSW - 1 (H235686-10)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2023	ND	1.80	89.8	2.00	1.74	
Toluene*	<0.050	0.050	10/17/2023	ND	1.85	92.4	2.00	0.794	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.85	92.3	2.00	0.405	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.52	92.1	6.00	0.691	
Total BTEX	<0.300	0.300	10/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/18/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	172	86.2	200	0.565	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	160	80.2	200	0.840	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/17/2023	Sampling Date:	10/17/2023
Reported:	10/18/2023	Sampling Type:	Soil
Project Name:	TALCO 9-26-35 FEDERAL 003H	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03073 A	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NM		

### Sample ID: SSW - 2 (H235686-11)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2023	ND	1.80	89.8	2.00	1.74	
Toluene*	<0.050	0.050	10/17/2023	ND	1.85	92.4	2.00	0.794	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.85	92.3	2.00	0.405	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.52	92.1	6.00	0.691	
Total BTEX	<0.300	0.300	10/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/18/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	172	86.2	200	0.565	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	160	80.2	200	0.840	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **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 SM4500CI-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

aboratories ARDIN

Company Name:

CHAIN OF-CUSTODY AND ANALYSIS REQUEST

page G.

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

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Company Name: Project #: Phone #: City: Project Manager: Project Name: Takco 9-21-35 Sampler Name: Project Location: Address: H735608 FOR LAB USE ONLY Relinquished By: service. In no event shall Cardinal be liable for incidental or con Relinquished By: inalyses. All claims including those for r LEASE NOTE: Liability and Da Sampler - UPS - Bus - Other: Lab I.D. Delivered By: (Circle One) Proc LILC-MD-03073 A Project Owner: 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 5 Lee Co, NM Garal Conoto Andre Unaster 44W SWI negligence and any other Sample I.D led to the pe P Phulhps Uarca Corrected Temp. °C Observed Temp. °C Fax #: cause what State: Time: 16:45 Date: Time: Date: Nod Z Fr akral damages, including without limitation, business inte + Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinallabsnm.com he, under by ( edy for any claim shall be de Zip G)RAB OR (C)OMP **Received By: Received By** laim ansing writetiner pased in connact or out, shall be innove med waived unless made in writing and received by Cardinal 003 H ñ # CONTAINERS GROUNDWATER WASTEWATER Cool Intact Sample Condition MATRIX × SOIL OIL SLUDGE tract or tort, shall be limited P.O. #: State: City: Company: tetra Tech Fax #: Address: Attn: Unristian Uww OTHER Phone #: loss of use, or loss of profits incurred by client, its subsidiaries ACID/BASE PRESERV ICE / COOL × BILL TO CHECKED BY: (Initials) OTHER Zip within 30 days after completion of the applicable 2023 100×1245 DATE SAMPLING id by the client for the Turnaround Time: All Results are emailed. Please provide Email address: Verbal Result: TIME REMARKS: Thermometer ID #140 Correction Factor 0°C Unistian. Unit's Tet a tech. com Nicholas, Poole Cfetra tech com TPH × X BTEX Yes No Add'l Phone #: Chloride 4500 Standard Rush X 24 HR ANALYSIS RC Cool Intact Bacteria (only) Sample Condition REQUEST Observed Temp. Corrected Temp. °C . റ്

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# APPENDIX G BLM Seed Mix

BLM Serial #:

Company Reference:

# 3.2 Seed Mixture for LPC Sand/Shinnery Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)\* per acre. There shall be <u>no</u> primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed\* per acre:

<u>Species</u>	<u>lb/acre</u>
Plains Bristlegrass	5lbs/A
Sand Bluestem	5lbs/A
Little Bluestem	3lbs/A
Big Bluestem	6lbs/A
Plains Coreopsis	2lbs/A
Sand Dropseed	1lbs/A

\*Pounds of pure live seed: Pounds of seed **x** percent purity **x** percent germination = pounds pure live seed

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

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:	
COG OPERATING LLC	229137	
600 W Illinois Ave	Action Number:	
Midland, TX 79701	286255	
	Action Type:	
	[C-141] Release Corrective Action (C-141)	
CONDITIONS		

Created By	Condition
scwells	Remediation Closure approved. All areas not reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as practical. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed.

Action 286255

Condition Date 2/19/2024

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