

September 18, 2023

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

RE: Closure Report

ConocoPhillips

ConocoPhillips (Heritage COG Operating LLC)
Cuatro Hijos Fee #004H Flowline Release

Unit Letter A, Section 02, Township 19 South, Range 34 East

Lea County, New Mexico Incident ID: nAPP2312933596

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips to assess an unplanned release that occurred from a flowline associated with the Cuatro Hijos Fee #004H (API #30-025-41752). The release footprint is located in Public Land Survey System (PLSS) Unit Letter A, Section 02, Township 19 South, Range 34 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.693649°, -103.522686°, as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Initial Report, the release occurred on April 23, 2023. Approximately 1.78 barrels (bbls) of produced water were released from a hole in a flowline due to corrosion. The spill calculator provided with the C-141 indicates a release extent of approximately 400 square feet of pasture, as presented in Figure 3.

The NMOCD received the C-141 report form for the release on May 9, 2023, and subsequently assigned the release the Incident ID nAPP2312933596. According to ConocoPhillips internal records, the New Mexico State Land Office (NMSLO) was emailed a copy of the initial C-141. The initial C-141 is included as Appendix A.

LAND OWNERSHIP

According to the NMOCD Oil and Gas Map, the Site is located on State Trust Lands. A review of the NMSLO Land Status Map was completed and the Site is located within active oil and gas lease VB12840001, which is listed under Concho Oil & Gas LLC/COG Operations LLC. Based on guidance provided by the NMSLO, as the release footprint is located on an active oil and gas lease, and the footprint is wholly located within the boundaries of the active oil and gas lease, no Remediation Right of Entry (ROE) is required at the Site.

CULTURAL PROPERTIES PROTECTION

Tetra Tech, on behalf of ConocoPhillips, contracted SWCA Environmental Consultants (SWCA) to conduct an Archeological Resources Management Section (ARMS) review in the release area to comply with 19.2.24 NMAC and the Cultural Properties Protection (CPP) Rule. On June 27, 2023, SWCA completed a literature and file search using the State of New Mexico's New Mexico Cultural Resources Information

TETRA TECH

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System online database which included a review of known historic resources, including the built environment, Laboratory of Anthropology, and State/National Register listed properties.

In the review, SWCA found the Site surroundings of 1 kilometer have been subject to sixteen (16) cultural resource surveys, eleven (11) of which are qualifying (completed within the last 10 years). There are no sites within 1 kilometer of the remediation area. The remediation area is completely located on NMSLO-managed lands and is covered by two (2) qualifying surveys conducted within the last ten years (NMCRIS No. 135745 and 128888). SWCA noted that all work will be done within previously surveyed area and therefore, does not recommend further survey at the Site location.

On June 21, 2023, NMSLO provided the verbal approval to SWCA that work was approved to begin at the Site. The ARMS review letter was submitted to the State Land Office on July 5, 2023. A copy of the ARMS letter is included in Appendix B.

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 located in an area of low karst potential.

A groundwater well search was performed through the New Mexico Office of the State Engineer (NMOSE) system. There are no water wells within a ½-mile (800-meter) radius of the Site; however, there is one active water well located 817 meters (0.52 miles) northwest of the release. The well has a recorded depth to water of 105 feet below ground surface (bgs). The site characterization data are included as Appendix C.

REGULATORY FRAMEWORK

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

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

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

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

Constituent	Reclamation Requirements
Chloride	600 mg/kg
TPH (GRO+DRO+ORO)	100 mg/kg

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SITE ASSESSMENT

On June 29, 2023, Tetra Tech personnel mobilized to the site and conducted assessment sampling on behalf of ConocoPhillips. Four (4) horizontal hand auger borings were advanced (AH-1 through AH-4) to depths of 1-foot bgs to the northeast, northwest, southwest, and southeast of the release to obtain horizontal delineation. Two (2) trenches (T-1 and T-2) were advanced within the release extent to obtain vertical delineation. T-1 was trenched to a depth of 6 feet bgs and T-2 to a depth of 1-foot bgs. The sampling locations are presented in Figure 3.

A total of ten (10) soil samples were collected and transmitted to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for chloride via EPA Method 4500.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8261B. A copy of the laboratory analytical reports and chain-of-custody documentation are included in Appendix D.

Analytical results from the 2023 assessment activities are summarized in Table 1. All analytical results were below applicable Site RRALs. However, samples collected from the upper 4 feet at trench locations T-1 and T-2 were above reclamation requirements and required remedial action. Vertical delineation was obtained at T-1 as the analytical results associated with the sample collected at 4-5 feet bgs were below the Site RRALs. Horizontal and vertical delineation were successfully completed as a result of the assessment activities. Photographic documentation of the release area and assessment activities are presented in Appendix E.

REMEDIATION WORK PLAN (NMSLO)

It was the intent of ConocoPhillips to remediate this unplanned release within 90 days of its discovery without submitting a remediation plan. However, as the release footprint is located on State Trust Lands, Tetra Tech provided notice of the planned remedial activities to the NMSLO Environmental Compliance Office (ECO) on August 1, 2023, along with site characterization data, figures, and tables. The remedial action was initially not approved by NMSLO, as the individual documents submitted did not meet the requirements for a remediation plan. The NMSLO requested that 19.15.29.13 NMAC be met, and reclamation details be provided to NMSLO ECO before work could proceed.

Per request, one .pdf file Work Plan (including the written narrative and associated attachments regarding planned remedial activities) was prepared by Tetra Tech on behalf of ConocoPhillips and subsequently submitted to NMSLO on August 3, 2023. The Work Plan described the results of the release assessment activities performed at the site, described the remedial action, and provided details on site reclamation. The Work Plan was approved via email by Ms. Tami Knight, Environmental Specialist, ECO on August 4, 2023. A copy of the NMSLO correspondence is included in Appendix B.

REMEDIATION ACTIVITIES AND CONFIRMATION SAMPLING

In August 2023, Tetra Tech personnel were onsite to remediate the release based on the results of the assessment sampling, including excavation, disposal and backfill. The extent of impacted soils was confirmed with field soil screening data and then excavated to 4 feet bgs throughout the release extent. The release footprint (including sample locations T-1 and T-2) was excavated to a depth of 4 feet bgs.

All of the excavated material was transported offsite for proper disposal. Approximately fifty-two (52) cubic yards of material were transported to the R360 Halfway Facility in Hobbs, New Mexico. Copies of the waste manifests are included in Appendix F.

Prior to confirmation sampling, the NMOCD district office was notified via email on August 9, 2023, in accordance with Subsection D of 19.15.29.12 NMAC. Documentation of associated regulatory correspondence is included in Appendix B. On August 14, 2023, Tetra Tech personnel were onsite for confirmation sampling. Confirmation floor and sidewall samples were collected for laboratory analysis to

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verify impacted materials were properly removed. Each confirmation sample laboratory analytical result was directly compared to the proposed RRALs/reclamation requirements to demonstrate compliance.

In accordance with Subsection D of 19.15.29.12 NMAC, confirmation samples were collected such that each discrete sample (sidewall and floor) were representative of no more than 200 square feet of excavated area. A total of two (2) floor sample locations and four (4) sidewall sample locations were used during the remedial activities. Confirmation sidewall sample locations were labeled with "SW"-#, and confirmation floor sample locations were labeled with "FS"-#. Analytical results for all confirmation soil samples (floor and sidewall) were below the RRALs for chloride, BTEX, and TPH. The results of the 2023 confirmation sampling events are summarized in Table 2. Laboratory analytical data is included in Appendix D.

Once confirmation sampling activities were completed, the excavated areas were backfilled with clean material to surface grade. Photographs from the excavated areas prior to backfill are provided in Appendix E. The backfilled areas were seeded to aid in revegetation. Based on the soils at the Site, the NMSLO Loamy (L) Sites Seed Mixture was used for seeding and planted in the amount specified in the pounds pure live seed (PLS) per acre. Remediated areas, depths and confirmation sample locations are shown in Figure 4.

CONCLUSION

As noted, ConocoPhillips elected to remediate the release and submit a closure report within 90 days of discovery of the release, per Subsection B of 19.15.29.12 NMAC; however, Tetra Tech and ConocoPhillips experienced a delay in scheduling the assessment and remediation activities at the site while in the process of complying with the New Mexico State Land Office's Cultural Properties Protection Rule and the NMSLO application and permitting requirements per Rule 12 (19.2.12 NMAC). An extension to October 20, 2023, was approved by NMOCD in an email dated July 20, 2023. A copy of the regulatory correspondence is included in Appendix B.

ConocoPhillips respectfully requests closure of the release based on the confirmation sampling results and remediation 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) 739-7874.

Sincerely,

Tetra Tech, Inc.

Samantha K. Abbott, P.G.

Project Manager

CC:

Mr. Jacob Laird, PBU - ConocoPhillips

Christian M. Llull, P.G. Program Manager

ConocoPhillips

LIST OF ATTACHMENTS

Figures:

Figure 1 – Overview Map

Figure 2 – Topographic Map

Figure 3 – Site Assessment

Figure 4 – Remediation Extent and Confirmation Sampling Locations

Tables:

Table 1 – Summary of Analytical Results – Soil Assessment

Table 2 – Summary of Analytical Results – Soil Remediation

Appendices:

Appendix A – C-141 Forms

Appendix B - Regulatory Correspondence

Appendix C – Site Characterization

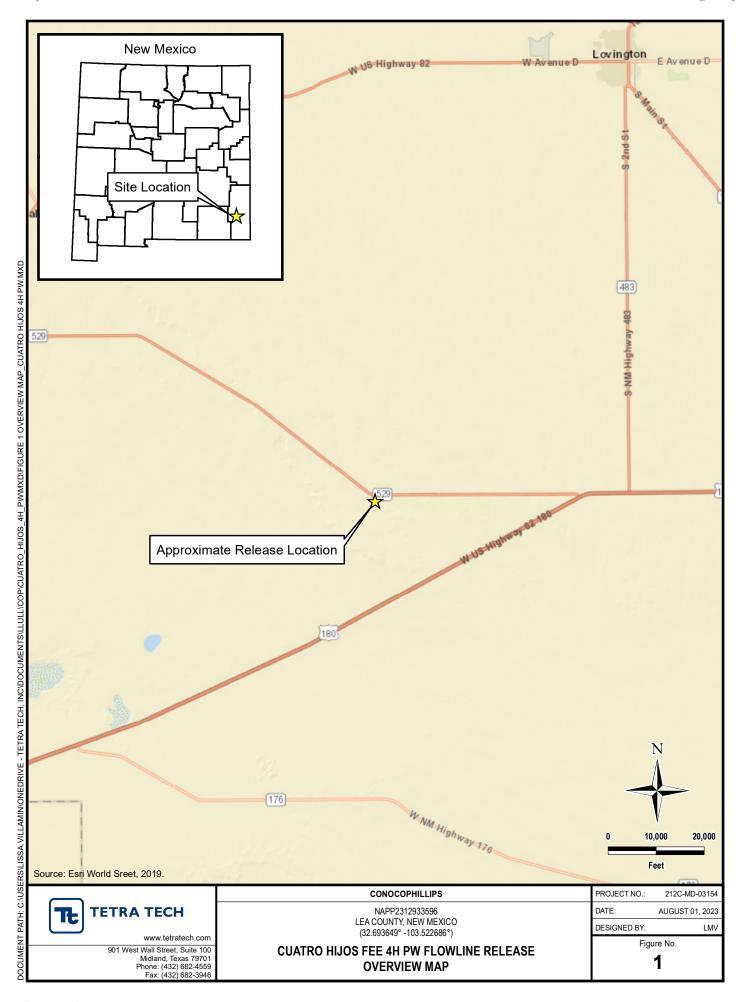
Appendix D- Laboratory Analytical Data

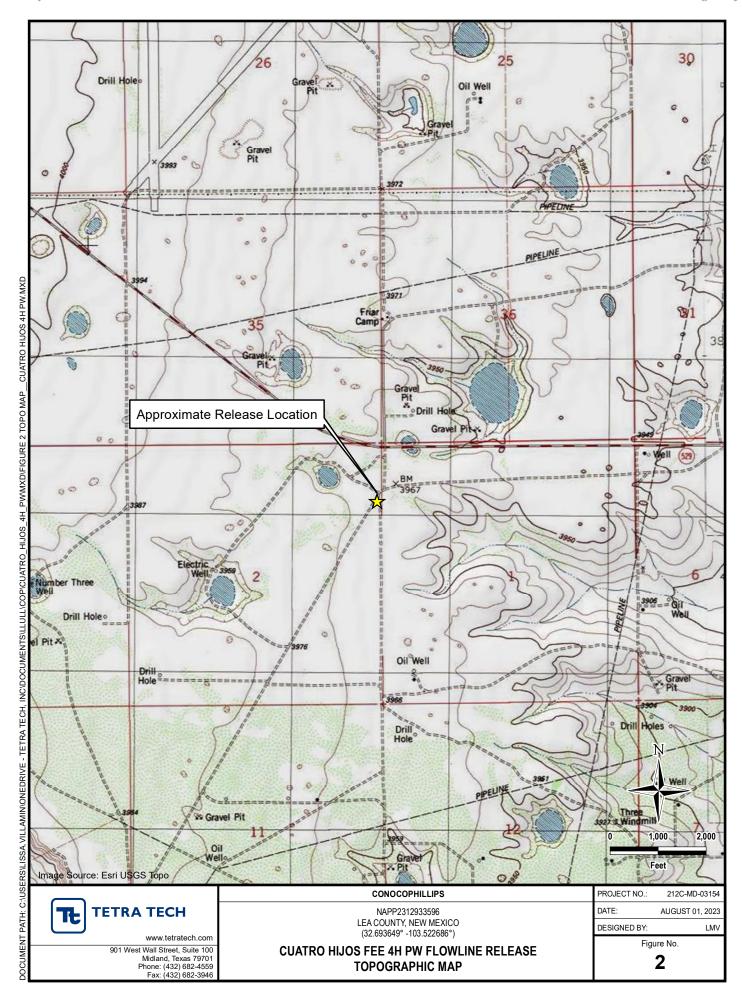
Appendix E – Photographic Documentation

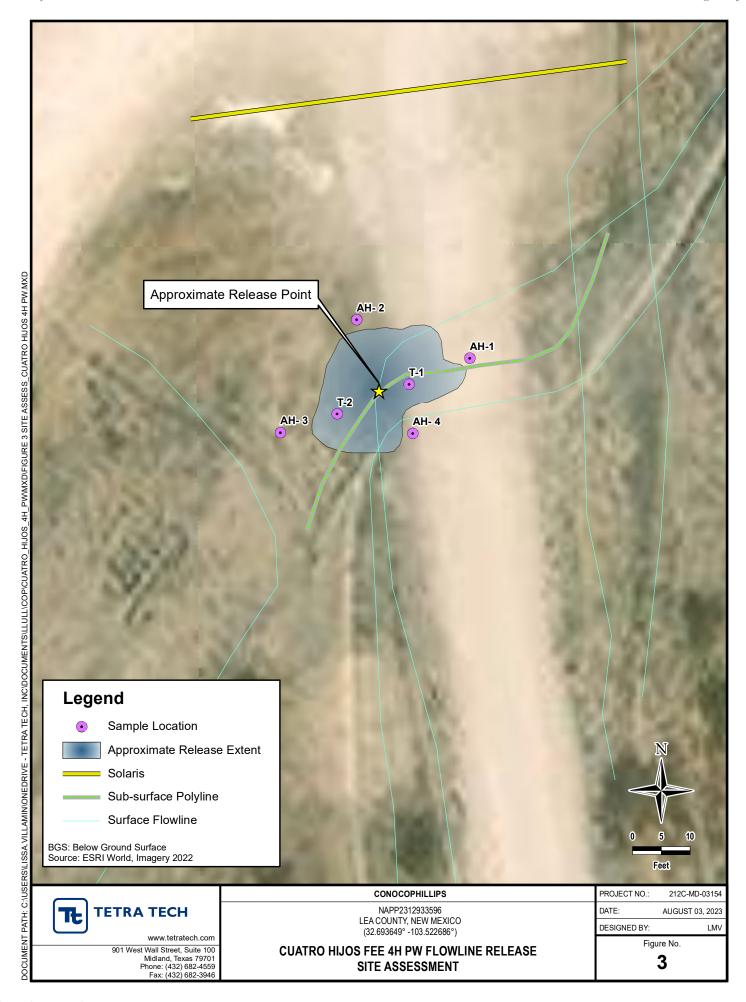
Appendix F – Waste Manifests

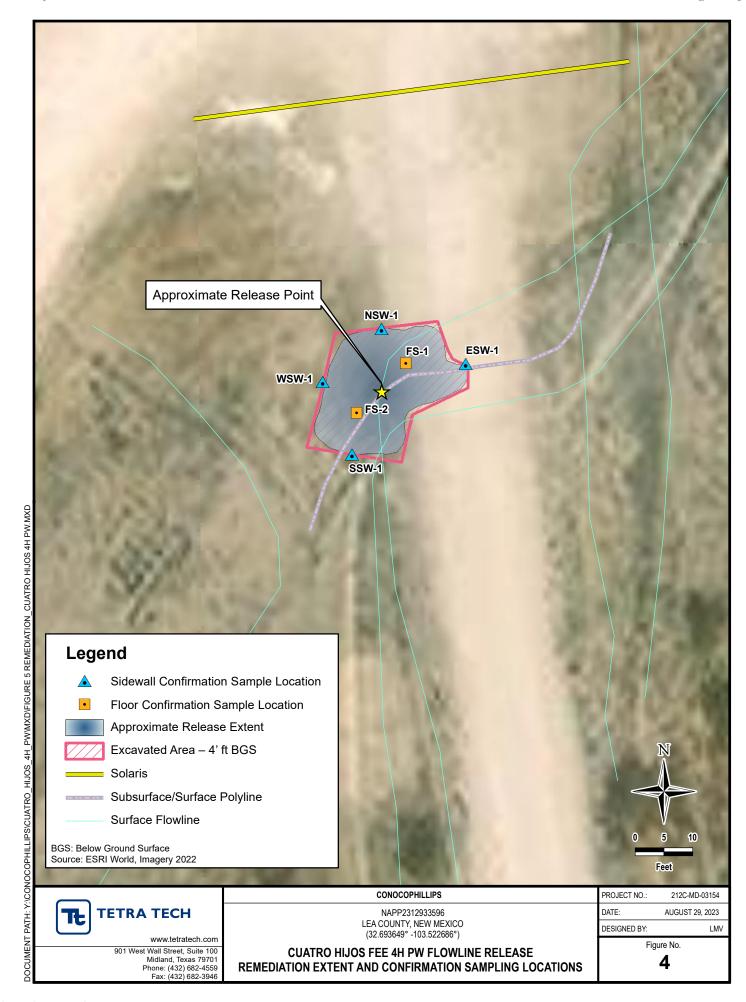
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FIGURES









TABLES

TABLE 1 SUMMARY OF ANALYTICAL RESULTS SOIL ASSESSMENT- nAPP2312933596 CONOCOPHILLIPS CUATRO HIJOS FEE 4H FLOWLINE RELEASE LEA COUNTY, NM

10.15.20	2 12 NINAAC Claarina Cuit	onio fon Coile Immeda	d ha Dalaaa	- /> 100 ft).	Chloride	s ¹			втех ²								TPH ³						
19.15.25	9.12 NMAC Closure Crit	eria for Soils impacted	a by a Releas	e (>100 ft):	20,000 mg	/kg	< 10 mg	/kg							< 50 mg	/kg	GRO		DRO		EXT DF	20	< 2,500 mg/kg
		Sample Depth	Field Screen	ing Results	Chloride	e	Benzer	ie	Toluene		Ethylben	zene	Total Xyl	enes	Total B	TFX	dito		Dito				Total TPH
Sample ID	Sample ID Sample Date	Interval	Chlorides	PID	5		Senzenc				TOTAL		C ₆ - C ₁₀		> C ₁₀ - C ₂₈		> C ₂₈ - C ₃₆		(GRO+DRO+EXT DRO)				
		ft. bgs	рр	m	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
AH-1	6/29/2023	0-1	112		32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		20.0		20.0
AH-2	6/29/2023	0-1	69.5		32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		15.4		15.4
AH-3	6/29/2023	0-1	70.3		32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-4	6/29/2023	0-1	83.6		16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		0-1	OL		16,100		<0.050		<0.050		<0.050		<0.050		<0.300		<10.0		<10.0		<10.0		-
		2-3	6,580		5,730		<0.050		<0.050		<0.050		<0.050		<0.300		<10.0		<10.0		<10.0		-
T-1	6/29/2023	3-4	1,870		1,280		<0.050		<0.050		<0.050		<0.050		<0.300		<10.0		<10.0		<10.0		ı
		4-5	1,300		1,360		<0.050		<0.050		<0.050		<0.050		<0.300		<10.0		<10.0		<10.0		ı
		5-6	200		80.0		<0.050		<0.050		<0.050		<0.050		<0.300		<10.0		<10.0		<10.0		-
T-2	6/29/2023	0-1	11,170		12,200		<0.050		<0.050		<0.050		<0.050		<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

Method 8015M

OL Over Limit

Bold and italicized values indicate exceedance of proposed RRALs and/or Reclamation Requirements.

Shaded rows indicate intervals proposed for excavation.

QUALIFIERS:

TABLE 2 SUMMARY OF ANALYTICAL RESULTS SOIL REMEDIATION - NAPP2312933596 CONOCOPHILLIPS CUATRO HIJOS FEE 4H FLOWLINE RELEASE LEA COUNTY, NM

					_				ВТЕХ	,2								TI	PH ³		
Sample ID	Sample Date	Sample Depth	Chlori	Chloride		Benzene Tol		Toluene Ethylbenzene		Ethylhonzono		Total Xylenes		Total BTEX			DRO		EXT DRO		Total TPH
Sample 15	Sample Date									Total Aylenes		Total BILA		C ₆ - C ₁₀		> C ₁₀ - C ₂₈		> C ₂₈ - C ₃₆		(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
NSW-1	8/15/2023	-	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
SSW-1	8/15/2023	-	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
ESW-1	8/15/2023	-	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-1	8/15/2023	-	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-1	8/15/2023	4	320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-2	8/15/2023	4	336		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

APPENDIX A C-141 Forms

<u>District I</u> 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 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible	Party			OGRID	OGRID						
Contact Nam	ie			Contact T	Telephone						
Contact emai	1			Incident #	Incident # (assigned by OCD)						
Contact mail	ing address			'							
			Location	of Release S	Source						
Latitude				Longitude							
			(NAD 83 in dec	cimal degrees to 5 deci	imal places)						
Site Name				Site Type							
Date Release	Discovered			API# (if ap	pplicable)						
Unit Letter	Section	Township	Range	Cou	nty						
Surface Owner		☐ Federal ☐ Tr	ribal Driveta (Vama		,					
Surface Owner	. State		ibai 🔲 Fiivate (i	vame.)					
			Nature and	d Volume of	Release						
	Materia	(s) Released (Select al	I that annly and attach	calculations or specifi	c justification for th	ne volumes provided below)					
Crude Oil		Volume Release		carculations of specifi	Volume Recovered (bbls)						
Produced	Water	Volume Release	d (bbls)		Volume Recovered (bbls)						
		Is the concentrat	ion of dissolved c	hloride in the	Yes 1	No					
□ C - 1	4	produced water			17.1	1/111					
Condensa		Volume Release				overed (bbls)					
Natural G		Volume Release				overed (Mcf)					
Other (de	scribe)	Volume/Weight	Released (provide	e units)	Volume/Wei	ight Recovered (provide units)					
G CD 1											
Cause of Rele	ease										

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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 response	onsible party consider this a major release?							
☐ Yes ☐ No									
If YES, was immediate no	otice given to the OCD? By whom? To w	hom? When and by what means (phone, email, etc)?							
	Initial R	esponse							
The responsible	party must undertake the following actions immediate	ely unless they could create a safety hazard that would result in injury							
☐ The source of the rele	ease has been stopped.								
☐ The impacted area ha	s been secured to protect human health and	the environment.							
Released materials ha	Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.								
	ecoverable materials have been removed an								
If all the actions described	d above have <u>not</u> been undertaken, explain	why:							
has begun, please attach	a narrative of actions to date. If remedial	remediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred please attach all information needed for closure evaluation.							
regulations all operators are public health or the environr failed to adequately investig	required to report and/or file certain release not nent. The acceptance of a C-141 report by the ate and remediate contamination that pose a thr	best of my knowledge and understand that pursuant to OCD rules and iffications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In f responsibility for compliance with any other federal, state, or local laws							
Printed Name		Title:							
Signature:	tan Esparge	Date:							
email:		Telephone:							
OCD Only									
Received by:	elyn Harimon	Date:05/09/2023							

Received by OCD: 9/19	0/2023 8:	27:07 41	1		Spill	Calculation - Subsurface	Spill - Rectangle	NAPP2312933596	Remediatio	n Recommendation 76
				Mariana Mariana	AND TO PROTECT OF MANAGEMENT		That was the management of the		Total Estimated	2 1180 2 1 0 1
Convert Irregular shape	Longth	Width	Average	On/Off	Soil Spilled-Fluid	Estimated volume of each	Total Estimated		Contaminated	Current Rule of Thumb -
into a series of	/A)		Depth	Pad	Saturation	area	Volume of Spill		Soil,	RMR Handover Volume,
rectangles	(ii.)	(ft.)	(in.)	(dropdown)	(%.)	(bbl.)	(bbl.)		uncompacted,	(yd ³ .)
			2000000		4044000000	325000000	NA.555,6440		25% (yd ³ .)	0.000,000,000
Rectangle A	20.0	20.0	2.0	Off-Pad ∨	15.02%	11.87	1.78		3.09	*
Rectangle B				~		0.00			0.00	
Rectangle C		Ü		~		0.00			0.00	
Rectangle D				~		0.00			0.00	
Rectangle E		=		~	31	0.00	3		0.00	750
Rectangle F	. 3			~	8	0.00			0.00	750
Rectangle G				~		0.00			0.00	
Rectangle H	8			>	<i>y</i>	0.00	10		0.00	
Rectangle I		Ü		~	33	0.00	*		0.00	
Released to Imaging:	2/18/202	3 4:28:4	7 PM	~	N. W. WARREST SANCTION	0.00	THE STATE OF		0.00	C10000
	-	0.4	~	7	Total Su	ibsurface Volume Released:	1.7824		3.09	BU

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Incident 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?	(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 not 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 ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
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 well Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody	ls.

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.

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I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a thru addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	occuping of the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name:	
Signature: Jacob Laird	
email:	Telephone:
OCD Only	
Received by:	Date:

Received by OCD: 9/19/2023	8:27:07 AM
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Application ID	

Closure

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

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

A scaled site and sampling diagram as described in 19.15.29.11 NMAC			
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)			
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)		
☐ Description of remediation activities			
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.			
Printed Name:			
Signature: <u>Jacob Laird</u>	Date:		
email:	Telephone:		
OCD Only			
Received by:	Date:		
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.			
Closure Approved by: Scott Rodgers	Date:		
Closure Approved by: Scott Rodgers Printed Name: Scott Rodgers	Title:Environmental Specialist Advanced		

APPENDIX B Regulatory Correspondence



Albuquerque Office 5647 Jefferson Street NE Albuquerque, New Mexico 87109 Tel 505.254.1115 Fax 505.254.1116

July 5, 2023

TO: David Eck or Lia Tsesmeli, Archaeologist, New Mexico State Land Office, Santa Fe, New Mexico

FROM: SWCA Environmental Consultants

SUBJECT: Completion of an Archaeological Resources Management Section (ARMS) Review for the Cuatro

Hijos Fee 4H PW Flowline Release Project on New Mexico State Land Office (SLO) lands in Lea

County, NM

Company Ref No:

PROJECT DESCRIPTION:

Tetra Tech, Inc. has requested that SWCA Environmental Consultants (SWCA) conduct an Archaeological Resources Management Section (ARMS) review for an inadvertent release in Lea County, New Mexico. The proposed project is located on New Mexico State Trust Lands approximately 37.19 kilometers (23.11 miles) west of Hobbs, NM in T19S R34E, Section 2.

A literature and file search were conducted on June 27, 2023, using the State of New Mexico's New Mexico Cultural Resources Information System online database which included a review of known historic resources, including the built environment, Laboratory of Anthropology, and State/National Register listed properties. Other sources reviewed include the BLM GLO Records web site, http://www.glorecords.blm.gov, which include land patent and general land office survey data. As this area was not settled by Spain, land grant records were not reviewed. The review was conducted for the Area of Potential Effect (APE) and since there were no sites within 500 meters of the APE, the review was conducted to 1 kilometer surrounding the APE. The land the proposed project is located on is part of the June 21, 1934: State Grant-School Sec Patent (48 Stat. 1185) patented on December 31, 1959.

Recommendation:

The project area and surrounding 1 kilometer have been subject to sixteen (16) cultural resource surveys, eleven (11) of which are qualifying (completed within the last 10 years). There are no sites within 1km of the remediation area. The remediation area is completely located on SLO-managed lands and is covered by two (2) qualifying surveys conducted within the last ten years (NMCRIS No. 135745 and 128888). All work will be done within the previously surveyed area, and therefore, SWCA does not recommend further survey at this location. If cultural materials are identified during ground disturbing activities, work must stop and the SLO must be contacted.

Information regarding the findings can be found in Table 1 in enclosure (1).

Archaeologist Alissa Healy

Enclosure: (1) Review Results, (2) ARMS Map



Albuquerque Office 5647 Jefferson Street NE Albuquerque, New Mexico 87109 Tel 505.254.1115 Fax 505.254.1116 www.svca.com

Archaeological Resources Management System (ARMS) Review Results

Table 1: Cultural surveys within 1000 meters (0.62 miles) of proposed project.

NMCRIS No.	Performing Organization	Date of Investigation	Acres Surveyed	Sites Visited
14689	New Mexico Archaeological Services,Inc	7/1/1980	13.07	0
15614	NM State Highway & Transportation Dept	11/17/1982	106.4	0
124302	Lone Mountain Archaeological Services	3/30/2012	825.43	9
125145	Lone Mountain Archaeological Services	7/28/2012	47.26	0
126352	Advanced Archaeological Solutions	2/9/2013	97.1	0
127915	Marron and Associates	6/10/2013	113.62	0
128888	Boone Arch Svcs of NM	10/15/2013	98.6	0
132233	Statistical Research, Inc.	7/8/2014	9528.07	79
133687	Boone Arch Svcs of NM	6/25/2015	119.34	0
135735	Boone Arch Svcs of NM	5/3/2016	27.53	0
140259	Lone Mountain Archaeological Services	4/19/2018	8.26	0
141048	Lone Mountain Archaeological Services	4/23/2018	29148.32	247
144916	Lone Mountain Archaeological Services	1/3/2020	8.25	0
146719	Goshawk Environmental Consulting	9/30/2020	66.89	0
147077	Lone Mountain Archaeological Services	12/4/2020	20.75	0
153212	APAC	6/7/2023	47.24	0



Albuquerque Office 5647 Jefferson Street NE Albuquerque, New Mexico 87109 Tel 505.254.1115 Fax 505.254.1116 www.swca.com

*No Sites within 1km of the proposed remediation location.



Figure 1. ARMS screenshot showing previous surveys (brown and yellow polygons), previously recorded sites (red polygons), and the 1000 m buffer (blue circle).

From: <u>Velez, Nelson, EMNRD</u>

To: Abbott, Sam

Cc: <u>Jacob.Laird@conocophillips.com</u>; <u>Llull, Christian</u>; <u>Chavira, Lisbeth</u>; <u>Bratcher, Michael, EMNRD</u>

Subject: Extension Request - Incident ID NAPP2312933596

Date: Thursday, July 20, 2023 10:11:17 AM

Attachments: Outlook-rbpn3vqf.pnq

Some people who received this message don't often get email from nelson.velez@emnrd.nm.gov. <u>Learn why this is important</u>

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

Good morning Samantha,

90-day time extension request is approved. Remediation Due date has been updated to 10/20/2023 within the incident page.

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

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

Regards,

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



Previous email submitted;

From: Abbott, Sam <Sam.Abbott@tetratech.com>

Sent: Wednesday, July 19, 2023 3:06 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Laird, Jacob < Jacob.Laird@conocophillips.com>; Llull, Christian < Christian.Llull@tetratech.com>;

Chavira, Lisbeth <LISBETH.CHAVIRA@tetratech.com>

Subject: [EXTERNAL] Extension Request - Incident ID NAPP2312933596

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To Whom it May Concern,

On behalf of ConocoPhillips, Tetra Tech is requesting an additional 90-day extension (until October 20, 2023) to complete remediation activities and associated reporting for the Cuatro Hijos Fee #004H site (NAPP2312933596).

The release occurred on April 23, 2023. The initial C-141 for this release was received by NMOCD on 5/9/2023. ConocoPhillips immediately commenced pursuing a 90-day (July 22, 2023) release characterization and closure per 19.15.29.11(A) NMAC.

The release footprint is located on State Trust lands. As of December 1, 2022 New Mexico State Land Office's Cultural Properties Protection (CPP) Rule is in effect. In tandem with this CPP rule, the NMSLO has begun enforcing application and permitting requirements per Rule 12 (19.2.12 NMAC) for Water/Soil Boring Exploration Permits. Any intrusive activities (i.e. # soil borings to be drilled, sampling to be conducted, etc.) must be permitted through the Water Bureau, Oil, Gas, and Minerals Division, New Mexico State Land Office.

Tetra Tech and ConocoPhillips experienced a delay in scheduling assessment at the Cuatro Hijos Fee #004H Release site while in the process of complying with these rules. The allocation of resources required to complete the cultural survey requirements and the Water/Soil Boring Exploration permit process are demanding and require additional time for coordination with not only regulatory personnel but additional archaeological subcontractors and cultural specialists. The cultural survey is now completed, the archaeological report is submitted and approved by State Land Office Cultural Resources, and the permitting process is completed. Tetra Tech and ConocoPhillips have initiated assessment activities at the site, and need additional time to complete the remediation activities and subsequent reporting.

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

Thank you in advance.

Sam

Samantha Abbott, PG | Project Manager

Direct Mobile +1 (512) 739-7874 | Business +1 (512) 338-1667 | Sam.Abbott@tetratech.com

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8911 N Capital of Texas Hwy #2310 | Austin, TX 78759 | tetratech.com

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From: <u>Llull, Christian</u>
To: <u>Allen, Samantha</u>

Subject: Fwd: REVISED (Remediation Plan) Cuatro Hijos Fee 4H PW Flowline (nAPP2312933596) 4-23-23

Date: Wednesday, August 30, 2023 10:11:16 AM

Attachments: image001.jpg image015.jpg

image016.jpg image017.jpg image018.png image019.png image020.png image021.png image023.jpg image024.jpg image025.jpg image026.png image027.png image028.png image029.png image029.png image029.png image030.png

Christian

Get Outlook for iOS

From: Knight, Tami C. <tknight@slo.state.nm.us>

Sent: Friday, August 4, 2023 2:55:06 PM

To: Llull, Christian < Christian.Llull@tetratech.com>

Cc: Abbott, Sam <Sam.Abbott@tetratech.com>; Chavira, Lisbeth

<LISBETH.CHAVIRA@tetratech.com>; SLO Surface ECO <SLOSurfaceECO@slo.state.nm.us>

Subject: RE: REVISED (Remediation Plan) Cuatro Hijos Fee 4H PW Flowline (nAPP2312933596) 4-23-

23

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Christian

Thank you for the revisions to the remediation workplan. ECO approves the remediation workplan.

We look forward to receipt of the closure report.

Have a great weekend





Tami Knight, CHMM

Environmental Specialist
SRD-Environmental
Compliance Office (ECO)
505.670.1638
New Mexico State Land Office
1300 W. Broadway Avenue, Suite A
Bloomfield, NM 87413
tknight@slo.state.nm.us
nmstatelands.org

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From: Llull, Christian < Christian.Llull@tetratech.com>

Sent: Thursday, August 3, 2023 1:04 PM **To:** SLO Spills <spills@slo.state.nm.us>

Cc: Knight, Tami C. <tknight@slo.state.nm.us>; Abbott, Sam <Sam.Abbott@tetratech.com>; Chavira, Lisbeth <LISBETH.CHAVIRA@tetratech.com>

Subject: [EXTERNAL] REVISED (Remediation Plan) Cuatro Hijos Fee 4H PW Flowline (nAPP2312933596) 4-23-23

Tami:

Per request, attached is one pdf file Work Plan that includes the written narrative and associated attachments regarding planned remedial activities at the Cuatro Hijos Fee 4H PW Flowline Release, Incident ID nAPP2312933596.

Incident ID nAPP2312933596 Details:

- Release Location: 32.693649° -103.522686°
- Site is located in Lea County, NM.
- Landowner: NMSLO
 - Located within active lease VB12840001 (Concho Oil and Gas LLC/COG Operations LLC)
- According to the C-141, the release occurred on April 23, 2023.
 - The release consisted of 1.7824 bbls of produced water, of which none were recovered.
 - The release was caused by a hole in flowline due to corrosion.
 - SLO received a copy of the initial C-141.
- The release occurred in the pasture along a lease road.

19.15.29.13 NMAC will be met and reclamation details are provided.

Please let me know at your earliest convenience if we are cleared to proceed.

If you have any questions, please let me know.

Thank you,

Christian

Christian Llull, P.G. | Program Manager

Mobile +1 (512) 565-0190 | christian.llull@tetratech.com

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	Please consider th	e environment before	printing. <u>Read more</u>
?			

From: Knight, Tami C. < tknight@slo.state.nm.us Sent: Wednesday, August 2, 2023 4:58:54 PM

To: Chavira, Lisbeth < <u>LISBETH.CHAVIRA@tetratech.com</u>>

Cc: Abbott, Sam <<u>Sam.Abbott@tetratech.com</u>>; Llull, Christian <<u>Christian.Llull@tetratech.com</u>>; SLO Surface ECO <<u>SLOSurfaceECO@slo.state.nm.us</u>>

Subject: RE: Cuatro Hijos Fee 4H PW Flowline Release - Incident ID: nAPP2312933596 - Not Approved

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Lisbeth

NMSLO-ECO has review the multiple documents submitted regarding the subject release. We are not able to approve the remediation plan at this time because it does not meet the requirements for a remediation plan, see attached document checklist. The remediation has impacted an undisturbed pasture; therefore, 19.15.29.13 NMAC must be met and reclamation details must be provided to NMSLO ECO before work can proceed.

Please revise the remediation plan to meet required documentation. Also, ECO encourages you and your client to refer to their NMSLO ROW lease contract for specific remediation and reclamation requirements, outside of NMOCD Rules.

For future submittals, ECO would appreciate one pdf file that includes the written narrative and associated attachments.

If you have questions please let us know.



505.670.1638

New Mexico State Land Office 1300 W. Broadway Avenue, Suite A Bloomfield, NM 87413 tknight@slo.state.nm.us nmstatelands.org

.....

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From: Chavira, Lisbeth < LISBETH.CHAVIRA@tetratech.com >

Sent: Tuesday, August 1, 2023 4:25 PM

To: Knight, Tami C. < tknight@slo.state.nm.us >

Cc: Abbott, Sam <<u>Sam.Abbott@tetratech.com</u>>; Llull, Christian <<u>Christian.Llull@tetratech.com</u>> **Subject:** [EXTERNAL] Cuatro Hijos Fee 4H PW Flowline Release - Incident ID: nAPP2312933596

Tami,

Tetra Tech would like to provide notice of planned remedial activities at the Cuatro Hijos Fee 4H PW Flowline Release.

Below are site details associated with Incident ID nAPP2312933596:

Incident ID nAPP2312933596 Details:

- Release Location: 32.693649° -103.522686°
- Site is located in Lea County, NM.
- Landowner: NMSLO
 - Located within active lease VB12840001 (Concho Oil and Gas LLC/COG Operations LLC)
- According to the C-141, the release occurred on April 23, 2023.
 - The release consisted of 1.7824 bbls of produced water, of which none were recovered.
 - The release was caused by a hole in flowline due to corrosion.
 - SLO received a copy of the initial C-141.
- The release occurred in the pasture along a lease road.
- Tetra Tech contracted SWCA on behalf of ConocoPhillips to conduct an ARMS review, attached is the submitted ARMS Review Letter.
 - The remediation area is completely located on SLO-managed lands and is covered by two (2) qualifying surveys conducted within the last ten years (NMCRIS No. 135745 and 128888). All work will be done within the previously surveyed area, and therefore, SWCA did not recommend further survey at this location.
- On June 29, 2023, Tetra Tech assessed the site for horizontal and vertical delineation:
 - Two trenches to various depths to evaluate the vertical extent of the release.
 - Four hand auger borings were installed to 1 ft bgs to obtain horizontal delineation.
 - Figures and tables are included.

Incident ID nAPP2312933596 Site Characterization:

- A groundwater well was located within 800-meters of the site at a depth of 105 ft, this with low karst potential sets the RRALs at 20,000 mg/kg for chloride and 2,500 mg/kg for TPH.
- The Site is in an area of low karst potential.
- A site characterization was performed and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, stream bodies, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC).

To be in accordance with <u>19.15.29.12</u> NMAC, Tetra Tech has requested an extension with NMOCD and received approval.

Planned remedial activities are slated to begin on August 7, 2023.

- The release area will be excavated to a depth of 4 ft bgs.
- Confirmation floor and sidewall samples will be collected to represent no more than 200 square feet.

Please let me know at your earliest convenience in we are cleared to proceed. If you have any questions, please let me know.

Thank you,

Lisbeth Chavira | Staff Geoscientist
Direct Mobile +1 (512) 596-8201 | <u>Lisbeth.chavira@tetratech.com</u>

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Poole, Nicholas

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Wednesday, August 9, 2023 3:11 PM

To: Poole, Nicholas

Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD

Subject: RE: [EXTERNAL] Incident ID: nAPP2312933596,- Confirmation Sampling

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

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

Hi 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: Wednesday, August 9, 2023 1:12 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Abbott, Sam <Sam.Abbott@tetratech.com>; Chavira, Lisbeth <LISBETH.CHAVIRA@tetratech.com>

Subject: [EXTERNAL] Incident ID: nAPP2312933596,- Confirmation Sampling

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Incident ID (n#) nAPP2312933596 (Cuatro Hijos Fee 4H)

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, August 14, 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 **Monday, August 14, 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

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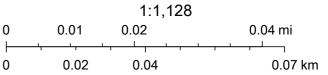
APPENDIX C Site Characterization Data

OCD - Karst Potential Map



6/12/2023, 9:53:34 AM
Karst Occurrence Potential

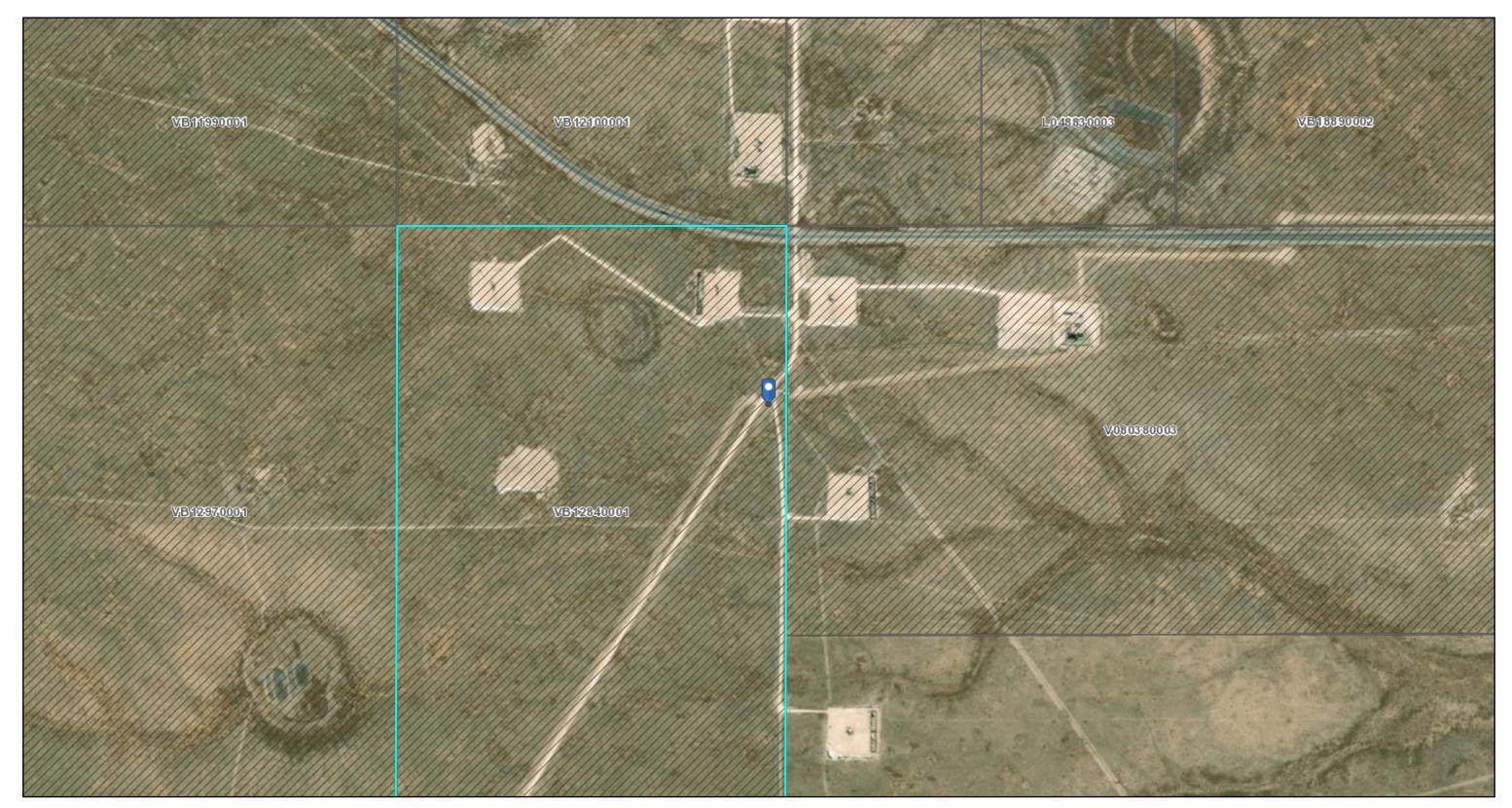
Low



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

Received by OCD: 9/19/2023 8:27:07 AM

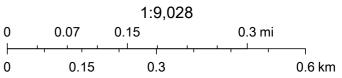
OCD - NM SLO Oil and Gas Leases



6/12/2023, 9:57:17 AM

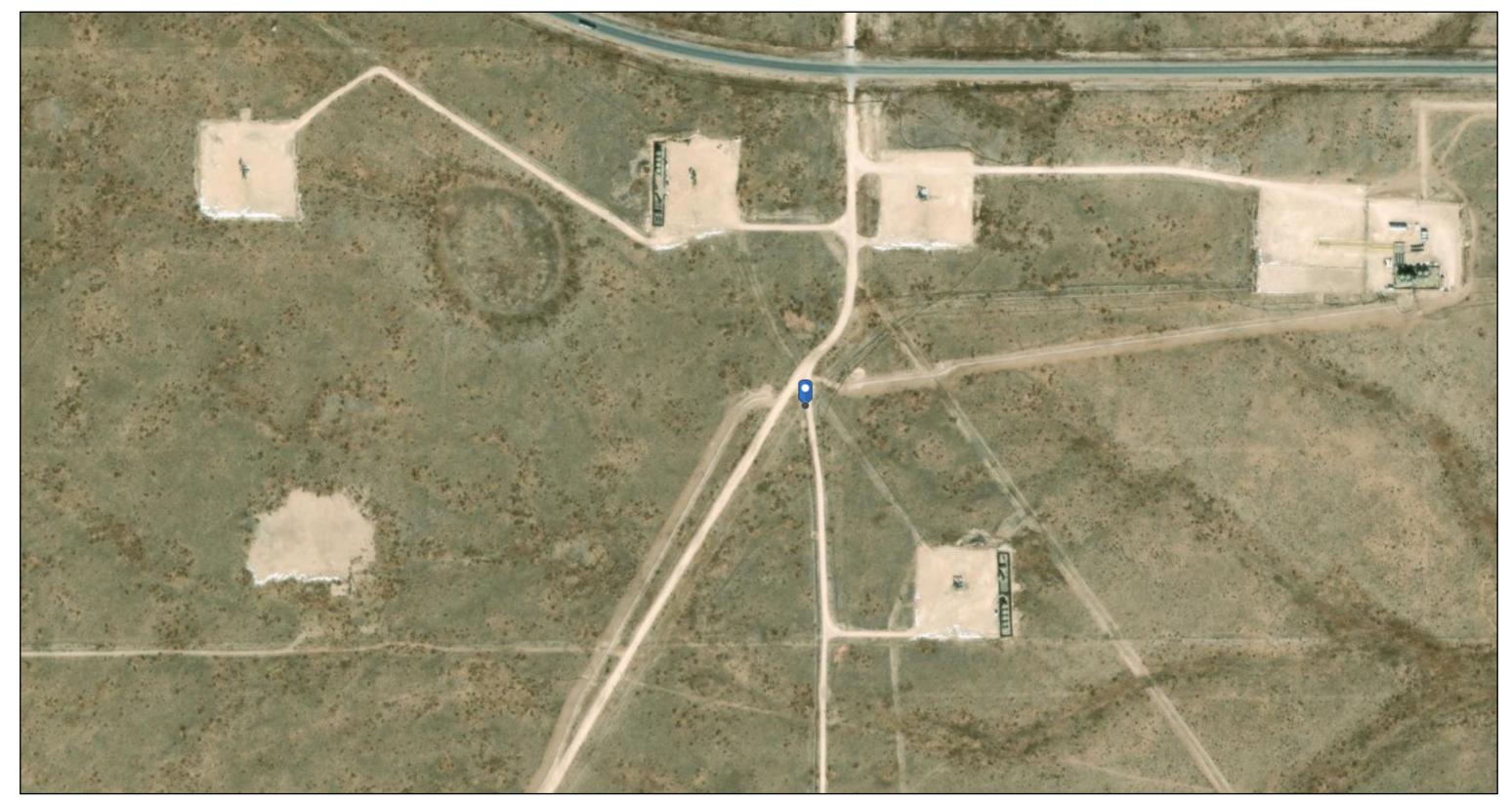
Oil and Gas Leasing Restrictions

Oil and Gas Leases

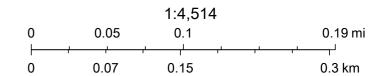


Esri, HERE, Garmin, iPC, Maxar

OCD Waterbodies



8/1/2023, 3:56:07 PM



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



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is

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

(quarters are smallest to largest)

3 3 4 35 18S 34E

(NAD83 UTM in meters)

(In feet)

POD

closed)

Sub- Q Q Q Q Code basin County 64 16 4 Sec Tws Rng

X 637806

Y 3618744*

Depth Depth Water Distance Well Water Column

Average Depth to Water: 105

817

105 feet

105

Minimum Depth: 105 feet

Maximum Depth: 105 feet

160

Record Count: 1

POD Number

L 11934 POD1

UTMNAD83 Radius Search (in meters):

Easting (X): 638485.91

Northing (Y): 3618290.16

Radius: 850

*UTM location was derived from PLSS - see Help

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

APPENDIX D Laboratory Analytical Data



July 03, 2023

SAM ABBOTT

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CUATRO HIJOS FEE 4H FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 06/29/23 11:45.

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

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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

TETRA TECH SAM ABBOTT

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 06/29/2023 Sampling Date: 06/29/2023

Reported: 07/03/2023 Sampling Type: Soil

Project Name: CUATRO HIJOS FEE 4H FLOWLINE RELE, Sampling Condition: Cool & Intact
Project Number: 212C-MD-03154 Sample Received By: Tamara Oldaker

Project Location: COP - LEA COUNTY

Sample ID: AH - 1 (0-1') (H233363-01)

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	06/29/2023	ND	2.22	111	2.00	2.80	
Toluene*	<0.050	0.050	06/29/2023	ND	2.20	110	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/29/2023	ND	2.14	107	2.00	2.37	
Total Xylenes*	<0.150	0.150	06/29/2023	ND	6.59	110	6.00	3.28	
Total BTEX	<0.300	0.300	06/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 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	06/30/2023	ND	448	112	400	0.00	
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	06/29/2023	ND	169	84.4	200	1.92	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	156	78.1	200	0.512	
EXT DRO >C28-C36	20.0	10.0	06/29/2023	ND					
Surrogate: 1-Chlorooctane	91.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 5	% 49.1-14	8						

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Celey & Keene



Analytical Results For:

TETRA TECH SAM ABBOTT

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 06/29/2023 Sampling Date: 06/29/2023

Reported: 07/03/2023 Sampling Type: Soil

Project Name: CUATRO HIJOS FEE 4H FLOWLINE RELEA Sampling Condition: Cool & Intact Project Number: 212C-MD-03154 Sample Received By: Tamara Oldaker

Project Location: COP - LEA COUNTY

Sample ID: AH - 2 (0-1') (H233363-02)

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	07/03/2023	ND	2.22	111	2.00	2.80	
Toluene*	<0.050	0.050	07/03/2023	ND	2.20	110	2.00	2.35	
Ethylbenzene*	<0.050	0.050	07/03/2023	ND	2.14	107	2.00	2.37	
Total Xylenes*	<0.150	0.150	07/03/2023	ND	6.59	110	6.00	3.28	
Total BTEX	<0.300	0.300	07/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 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	06/30/2023	ND	448	112	400	0.00	
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	06/29/2023	ND	169	84.4	200	1.92	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	156	78.1	200	0.512	
EXT DRO >C28-C36	15.4	10.0	06/29/2023	ND					
Surrogate: 1-Chlorooctane	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.6	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

TETRA TECH SAM ABBOTT

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 06/29/2023 Sampling Date: 06/29/2023

Reported: 07/03/2023 Sampling Type: Soil

Project Name: CUATRO HIJOS FEE 4H FLOWLINE RELE/ Sampling Condition: Cool & Intact
Project Number: 212C-MD-03154 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - LEA COUNTY

Sample ID: AH - 3 (0-1') (H233363-03)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.22	111	2.00	2.80	
Toluene*	<0.050	0.050	06/30/2023	ND	2.20	110	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.14	107	2.00	2.37	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.59	110	6.00	3.28	
Total BTEX	<0.300	0.300	06/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/30/2023	ND	448	112	400	0.00	
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	06/29/2023	ND	169	84.4	200	1.92	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	156	78.1	200	0.512	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					
Surrogate: 1-Chlorooctane	87.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.9	% 49.1-14	8						

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Celeg D. Freene



Analytical Results For:

TETRA TECH SAM ABBOTT

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 06/29/2023 Sampling Date: 06/29/2023

Reported: 07/03/2023 Sampling Type: Soil

Project Name: CUATRO HIJOS FEE 4H FLOWLINE RELE Sampling Condition: Cool & Intact
Project Number: 212C-MD-03154 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - LEA COUNTY

Sample ID: AH - 4 (0-1') (H233363-04)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.22	111	2.00	2.80	
Toluene*	<0.050	0.050	06/30/2023	ND	2.20	110	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.14	107	2.00	2.37	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.59	110	6.00	3.28	
Total BTEX	<0.300	0.300	06/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/30/2023	ND	448	112	400	0.00	
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	06/29/2023	ND	169	84.4	200	1.92	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	156	78.1	200	0.512	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					
Surrogate: 1-Chlorooctane	89.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.6	% 49.1-14	8						

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Analytical Results For:

TETRA TECH SAM ABBOTT

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 06/29/2023 Sampling Date: 06/29/2023

Reported: 07/03/2023 Sampling Type: Soil

Project Name: CUATRO HIJOS FEE 4H FLOWLINE RELE, Sampling Condition: Cool & Intact
Project Number: 212C-MD-03154 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - LEA COUNTY

Sample ID: T - 1 (0-1') (H233363-05)

RTFY 8021R

B1EX 8021B	mg/	кg	Апануге	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.22	111	2.00	2.80	
Toluene*	<0.050	0.050	06/30/2023	ND	2.20	110	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.14	107	2.00	2.37	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.59	110	6.00	3.28	
Total BTEX	<0.300	0.300	06/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16100	16.0	06/30/2023	ND	448	112	400	0.00	
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	06/29/2023	ND	169	84.4	200	1.92	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	156	78.1	200	0.512	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					
Surrogate: 1-Chlorooctane	103 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Analytical Results For:

TETRA TECH SAM ABBOTT

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 06/29/2023 Sampling Date: 06/29/2023

Reported: 07/03/2023 Sampling Type: Soil

Project Name: CUATRO HIJOS FEE 4H FLOWLINE RELE, Sampling Condition: Cool & Intact
Project Number: 212C-MD-03154 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - LEA COUNTY

Sample ID: T - 1 (2'-3') (H233363-06)

RTFY 8021R

B1EX 8021B	mg	rkg	Anaiyze	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.22	111	2.00	2.80	
Toluene*	<0.050	0.050	06/30/2023	ND	2.20	110	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.14	107	2.00	2.37	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.59	110	6.00	3.28	
Total BTEX	<0.300	0.300	06/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5730	16.0	06/30/2023	ND	448	112	400	0.00	
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	06/29/2023	ND	169	84.4	200	1.92	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	156	78.1	200	0.512	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					
Surrogate: 1-Chlorooctane	96.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Analytical Results For:

TETRA TECH SAM ABBOTT

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 06/29/2023 Sampling Date: 06/29/2023

Reported: 07/03/2023 Sampling Type: Soil

Project Name: CUATRO HIJOS FEE 4H FLOWLINE RELE, Sampling Condition: Cool & Intact
Project Number: 212C-MD-03154 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - LEA COUNTY

Sample ID: T - 1 (3'-4') (H233363-07)

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.22	111	2.00	2.80	
Toluene*	<0.050	0.050	06/30/2023	ND	2.20	110	2.00	2.35	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.14	107	2.00	2.37	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.59	110	6.00	3.28	
Total BTEX	<0.300	0.300	06/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	06/30/2023	ND	448	112	400	0.00	
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	06/29/2023	ND	169	84.4	200	1.92	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	156	78.1	200	0.512	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

TETRA TECH SAM ABBOTT

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 06/29/2023 Sampling Date: 06/29/2023

Reported: 07/03/2023 Sampling Type: Soil

Project Name: CUATRO HIJOS FEE 4H FLOWLINE RELEA Sampling Condition: Cool & Intact Project Number: Tamara Oldaker 212C-MD-03154 Sample Received By:

Analyzed By: MS

Project Location: COP - LEA COUNTY

Sample ID: T - 1 (4'-5') (H233363-08)

BTEX 8021B

	9/	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.05	102	2.00	1.84	
Toluene*	<0.050	0.050	06/30/2023	ND	2.03	102	2.00	2.13	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.00	100	2.00	1.32	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.10	102	6.00	1.86	
Total BTEX	<0.300	0.300	06/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	06/30/2023	ND	448	112	400	0.00	
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	06/30/2023	ND	169	84.4	200	1.92	
DRO >C10-C28*	<10.0	10.0	06/30/2023	ND	156	78.1	200	0.512	
EXT DRO >C28-C36	<10.0	10.0	06/30/2023	ND					
Surrogate: 1-Chlorooctane	96.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

TETRA TECH SAM ABBOTT

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 06/29/2023 Sampling Date: 06/29/2023

Reported: 07/03/2023 Sampling Type: Soil

Project Name: CUATRO HIJOS FEE 4H FLOWLINE RELE Sampling Condition: Cool & Intact
Project Number: 212C-MD-03154 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - LEA COUNTY

Sample ID: T - 1 (5'-6') (H233363-09)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.05	102	2.00	1.84	
Toluene*	<0.050	0.050	06/30/2023	ND	2.03	102	2.00	2.13	
Ethylbenzene*	<0.050	0.050	06/30/2023	ND	2.00	100	2.00	1.32	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.10	102	6.00	1.86	
Total BTEX	<0.300	0.300	06/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/30/2023	ND	448	112	400	0.00	
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	06/30/2023	ND	169	84.4	200	1.92	
DRO >C10-C28*	<10.0	10.0	06/30/2023	ND	156	78.1	200	0.512	
EXT DRO >C28-C36	<10.0	10.0	06/30/2023	ND					
Surrogate: 1-Chlorooctane	88.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.5	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

TETRA TECH SAM ABBOTT

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 06/29/2023 Sampling Date: 06/29/2023

Reported: 07/03/2023 Sampling Type: Soil

Project Name: CUATRO HIJOS FEE 4H FLOWLINE RELE, Sampling Condition: Cool & Intact
Project Number: 212C-MD-03154 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - LEA COUNTY

Sample ID: T - 2 (0-1') (H233363-10)

BTEX 8021B

	9/	9	7	7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2023	ND	2.05	102	2.00	1.84	
Toluene*	< 0.050	0.050	06/30/2023	ND	2.03	102	2.00	2.13	
Ethylbenzene*	< 0.050	0.050	06/30/2023	ND	2.00	100	2.00	1.32	
Total Xylenes*	<0.150	0.150	06/30/2023	ND	6.10	102	6.00	1.86	
Total BTEX	<0.300	0.300	06/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12200	16.0	06/30/2023	ND	448	112	400	0.00	
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	06/30/2023	ND	169	84.4	200	1.92	
DRO >C10-C28*	<10.0	10.0	06/30/2023	ND	156	78.1	200	0.512	
EXT DRO >C28-C36	<10.0	10.0	06/30/2023	ND					
Surrogate: 1-Chlorooctane	91.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.1	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Notes and Definitions

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or S-06 matrix interference's. QR-03 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 recovery. ND Analyte NOT DETECTED at or above the reporting limit RPD Relative Percent Difference Samples not received at proper temperature of 6°C or below. Insufficient time to reach temperature. Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celeg D. Freene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager: Sam Abbott	8					1 1		+			B	BILL TO					ANA	ANALYSIS REQUEST	S RE	QUE	EST
Project Manager: Sam Abbott								O.	P.O. #:	"										+	
Address: 8911 Capital o Texas Hwy, Suite 2310	y, Suite 2310							0	å	any	Te	Company: Tetra Tech									
tin	State: TX	Zip:						P	5	Attn: Sam Abbott	Abt	bott									
	Fax #:		No.				- 1	>	dre	Address: EMAIL	EMA	F									
Project #: 212C-MD-03154	Project Owner:			Cor	ConocoPhillips	Phil	llips	City:	4	ĺ										_	
Project Name: Cuatro Hijos Fee 4H Flowline Release	Flowline Release						-	_	State:			Zip:				3					
Project Location: Lea County, New Mexico	Mexico							무	Phone #:	#						I-1					
Sampler Name: Colton Bickerstaff						-	- 1	F	Fax #:							00C					
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7 T-1 (3'-4')		G	1	_	X					×	_	6/29/2023		×	×	×				+	+
		G	_	Н	×					×	4	6/29/2023		×	×	× ;				+	+
9 T-1 (5'-6')		G	1		X					×	4	6/29/2023		×	×	× ;				\dagger	+
6 T-2 (0-1')		G	-	Н	×		П	\Box		×	-	6/29/2023		× ;	×;	× :				+	+
amages. Cardinal's liability and of for incidental or consequental g out of or related to the perfo	lent's acclusive remedy for any claim arising whether a damages, including without limitation, business in mance of services hereunder by Cardinal, regard	ased in co terruption less of wh	ntract or is, loss o hether su	act or tort, shall loss of use, or her such claim	il be lim or loss o	ted to the and if profits incided upon an	s incur	ned by	by the client,	ts substated in	the a	nalyses. All claims s. or otherwise.	ourt paid by the client for the landilyses. All claims including those for negliginate and any other arrord by client, its subsidiaries. you the above stated reasons or otherwise.	gligence	and any other	cause	whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days, after	be deem	ed waived	unless n	nade in
Relinquished By: Colton Bickerstaff	Date: 6/29/23	Received By	ved I	· in			·			1	1	-	Verbal Result:	□ Yes	es 🗆 No	No		Add'l Phone #:	hone #	"	
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Relinquished By:	Date:	Received By:	ved t	××		1	f	A	1			R	REMARKS:							,	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C (s. 2)		-	Sample Cond	Sample Condition	ondi	tion			을	HECKED E	34.	Turnaround Time:	standard	*	Bacteria (c	Bacteria (only) Sample Condition	Condition			
	5.6	4			No No	₹ 2			0	4	. 9		Rush: NA, Standard TAT Thermometer ID #113 Correction Factor -0.5°C	#113 -0.5°C	8	Cool Intact	Observed Temp. "C	Temp. °C	□Yes□ Yes	¥es	
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August 16, 2023

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

RE: CUATRO HIJOS FEE 4H FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 08/15/23 13:12.

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

Cardinal Laboratories is 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

TETRA TECH SAM ABBOTT

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 08/15/2023 Sampling Date: 08/15/2023

Reported: 08/16/2023 Sampling Type: Soil

Project Name: CUATRO HIJOS FEE 4H FLOWLINE RELEA Sampling Condition: Cool & Intact Project Number: 212C-MD-03154 Sample Received By: Tamara Oldaker

Project Location: COP - LEA COUNTY

Sample ID: NSW - 1 (H234375-01)

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	08/16/2023	ND	2.07	103	2.00	3.36	
Toluene*	<0.050	0.050	08/16/2023	ND	2.02	101	2.00	1.82	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.93	96.6	2.00	2.80	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	3.74	
Total BTEX	<0.300	0.300	08/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.4	% 71.5-13	4						
Chloride, SM4500CI-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	08/16/2023	ND	416	104	400	0.00	
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	08/16/2023	ND	182	91.2	200	4.80	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	184	92.2	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					
Surrogate: 1-Chlorooctane	83.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.2	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

TETRA TECH SAM ABBOTT

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 08/15/2023 Sampling Date: 08/15/2023

Reported: 08/16/2023 Sampling Type: Soil

Project Name: CUATRO HIJOS FEE 4H FLOWLINE RELE Sampling Condition: Cool & Intact
Project Number: 212C-MD-03154 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - LEA COUNTY

ma/ka

Sample ID: SSW - 1 (H234375-02)

RTFY 8021R

B1EX 8021B	mg,	rky	Allalyze	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	2.07	103	2.00	3.36	
Toluene*	<0.050	0.050	08/16/2023	ND	2.02	101	2.00	1.82	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.93	96.6	2.00	2.80	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	3.74	
Total BTEX	<0.300	0.300	08/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.0	% 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	08/16/2023	ND	416	104	400	0.00	
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	08/16/2023	ND	182	91.2	200	4.80	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	184	92.2	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					
Surrogate: 1-Chlorooctane	83.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.7	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

TETRA TECH SAM ABBOTT

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 08/15/2023 Sampling Date: 08/15/2023

Reported: 08/16/2023 Sampling Type: Soil

Project Name: CUATRO HIJOS FEE 4H FLOWLINE RELE, Sampling Condition: Cool & Intact
Project Number: 212C-MD-03154 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - LEA COUNTY

ma/ka

Sample ID: ESW - 1 (H234375-03)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	2.07	103	2.00	3.36	
Toluene*	<0.050	0.050	08/16/2023	ND	2.02	101	2.00	1.82	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.93	96.6	2.00	2.80	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	3.74	
Total BTEX	<0.300	0.300	08/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/16/2023	ND	416	104	400	0.00	
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	08/16/2023	ND	182	91.2	200	4.80	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	184	92.2	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					
Surrogate: 1-Chlorooctane	79.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

TETRA TECH SAM ABBOTT

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 08/15/2023 Sampling Date: 08/15/2023

Reported: 08/16/2023 Sampling Type: Soil

Project Name: CUATRO HIJOS FEE 4H FLOWLINE RELE, Sampling Condition: Cool & Intact
Project Number: 212C-MD-03154 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - LEA COUNTY

mg/kg

Sample ID: WSW - 1 (H234375-04)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	2.07	103	2.00	3.36	
Toluene*	<0.050	0.050	08/16/2023	ND	2.02	101	2.00	1.82	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.93	96.6	2.00	2.80	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	3.74	
Total BTEX	<0.300	0.300	08/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/16/2023	ND	416	104	400	3.77	QM-07
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	08/16/2023	ND	182	91.2	200	4.80	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	184	92.2	200	4.07	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					
Surrogate: 1-Chlorooctane	69.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.3	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

TETRA TECH SAM ABBOTT

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 08/15/2023 Sampling Date: 08/15/2023

Reported: 08/16/2023 Sampling Type: Soil

Project Name: CUATRO HIJOS FEE 4H FLOWLINE RELE, Sampling Condition: Cool & Intact
Project Number: 212C-MD-03154 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - LEA COUNTY

mg/kg

Sample ID: FS - 1 (H234375-05)

BTEX 8021B

	<u> </u>			,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	2.07	103	2.00	3.36	
Toluene*	<0.050	0.050	08/16/2023	ND	2.02	101	2.00	1.82	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.93	96.6	2.00	2.80	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	3.74	
Total BTEX	<0.300	0.300	08/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/16/2023	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	08/16/2023	ND	202	101	200	4.06	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	204	102	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					
Surrogate: 1-Chlorooctane	76.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

TETRA TECH SAM ABBOTT

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 08/15/2023 Sampling Date: 08/15/2023

Reported: 08/16/2023 Sampling Type: Soil

Project Name: CUATRO HIJOS FEE 4H FLOWLINE RELE, Sampling Condition: Cool & Intact
Project Number: 212C-MD-03154 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - LEA COUNTY

mg/kg

Sample ID: FS - 2 (H234375-06)

BTEX 8021B

	<u> </u>			,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2023	ND	2.07	103	2.00	3.36	
Toluene*	<0.050	0.050	08/16/2023	ND	2.02	101	2.00	1.82	
Ethylbenzene*	<0.050	0.050	08/16/2023	ND	1.93	96.6	2.00	2.80	
Total Xylenes*	<0.150	0.150	08/16/2023	ND	5.84	97.3	6.00	3.74	
Total BTEX	<0.300	0.300	08/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	08/16/2023	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	08/16/2023	ND	200	99.9	200	2.88	
DRO >C10-C28*	<10.0	10.0	08/16/2023	ND	225	112	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2023	ND					
Surrogate: 1-Chlorooctane	74.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Kreene



Notes and Definitions

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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

Celey D. Keine

CARDINALLaboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Tetra Tech			BILL TO			ANALYS	ANALYSIS REQUEST	ST	
Project Manager: Sam Abbott			P.O. #:						
Address: 8911 Capital o Texas Hwy, Suite 2310	te 2310		Company: Tetra Tech						
City: Austin	State: TX Zip:	p:	Attn: Sam Abbott				•	_	
Phone #: (512)565-0190 F	Fax #:		Address: EMAIL						
Project #: 212C-MD-03154 Pr	Project Owner:	ConocoPhillips	City:						
Project Name: Cuatro Hijos Fee 4H Flowline Release	line Release		State: Zip:		В			_	
Project Location: Lea County, New Mexico	ico		Phone #:		CI-				
Sampler Name: Colton Bickerstaff, Andrew Garcia	ew Garcia		Fax #:		000				
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	LING	_		36		
Lab I.D.	MP.	?	8	5 M					
Sample I.D.	AB OR (C)OM		COOL	РН 8015	EX 802	,			
H234375	(G)F	GRO	_	TIME	_				
NSW-1	G		X	X	XX				
2 SSW-1	G	1 X	X 8/15/2023	X	XX				
3 ESW-1	G	1 X	, X 8/15/2023	X	XX				
4 WSW-1	G	1 X	X 8/15/2023	. X	XX				
SFS-1	G	1 X	X 8/15/2023	X	XX				
6 FS-2	G		X 8/15/2023	×	X				
FURSES NOTE: Liability and Danagos. Condroll's liability and district exclusive minude for any default begand in contract or tot, shall be limited to the amount paid by the chiral for the analyses. All obtains including those for negligance and any other cause whatboover event shall Contrian be liable for incidental or consequential distringuis, including without limitation, but also up, or bass of positios recurred by default, is subsidiations. In this contribution of a received any object of the preformance of devices the recorded by Cyclering, liquipations of whether such chim is based by positions about devices the recorded by Cyclering and any other cause of whether such chim is based by positions about devices are contributed by Cyclering and any other cause whatboover cause of the record by cyclering and any other cause whatboover and any other cause whatboover cause of the contribution of the contribution of devices the recorded by Cyclering and any other cause whatboover cause of the contribution of the contribution of the contribution of devices the recorded by Cyclering and any other cause whatboover cause of the contribution of the con	sive remedy for any claim arising whether based including without limitation, business interru- services hereunder by Cardinal, regardless	in contract or tort, shall be limited to the amou pitions, loss of use, or loss of profits incurr of whether such claim is based upon any o	rit paid by the chart for the analyses. All claimed by client, its subsidiaries, of the above stated reasons or otherwise.	s including those for negligence	and any other cause	8	erned waived unless n	nade in writing and receive	ill be deemed valved unless made in writing and received by Cardinal within 30 days after completion of
Relinquished By: Colton Bickerstaff	Date: 8/15/23 Re	Received By:		Verbal Result: ☐ Yes ☐ No All Results are emailed. Please provide Email	Yes □ No ed. Please pro	Add vide Email addr	Add'I Phone #: address: Sam.Abb	Add'I Phone #: address: Sam.Abbott@tetratech.com	3
Relinquished By:	Date: Re	Received By:	The second	REMARKS:					
	Time:		(
D.livered By: (Circle One) Saniple: - 1108 - Bus - Other:	Observed Temp. °C 577	Sample Condition Cool Infact	CHECKED BY:	Turnaround Time: Standard Rush: YES, 24hr RUSH TAT	* -	ly) Sampl	e Condition rved Temp. °C	×	00.1
		N N N N N N N N N N	S.	Thermometer ID #773 Correction Factor -9.8°C	14	8/18/23	Yes Yes	Yes Yes	

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

APPENDIX E Photographic Documentation



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View southwest. View of release area from across lease road.	1
212C-MD-03154	SITE NAME	Cuatro Hijos Fee 4H PW Flowline Release	5/23/2023



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View southwest west. View of release area. Subsurface/surface poly lines present.	2
212C-MD-03154	SITE NAME	Cuatro Hijos Fee 4H PW Flowline Release	5/23/2023



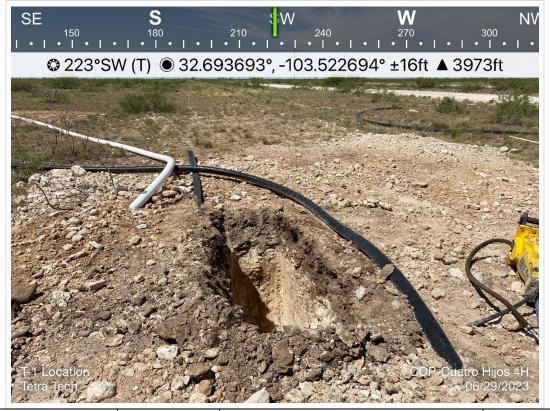
TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View southwest. View of release area. Subsurface/surface poly lines present.	3
212C-MD-03154	SITE NAME	Cuatro Hijos Fee 4H PW Flowline Release	5/23/2023



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View south. View of release area. Subsurface/surface poly lines present.	4
212C-MD-03154	SITE NAME	Cuatro Hijos Fee 4H PW Flowline Release	5/23/2023



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View west. View of release area and assessment activities. Surface polylines present.	5
212C-MD-03154	SITE NAME	Cuatro Hijos Fee 4H PW Flowline Release	6/29/2023



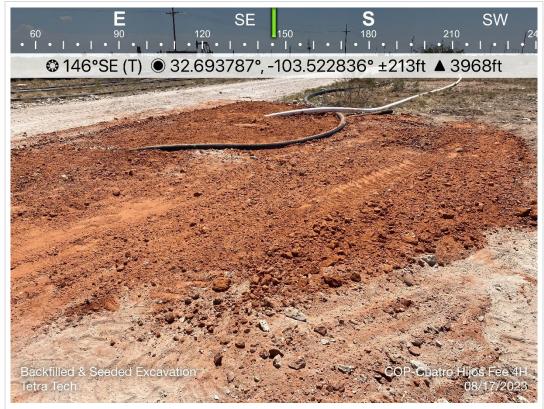
TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View southwest. View of assessment activities. Surface polylines present.	6
212C-MD-03154	SITE NAME	Cuatro Hijos Fee 4H PW Flowline Release	6/29/2023



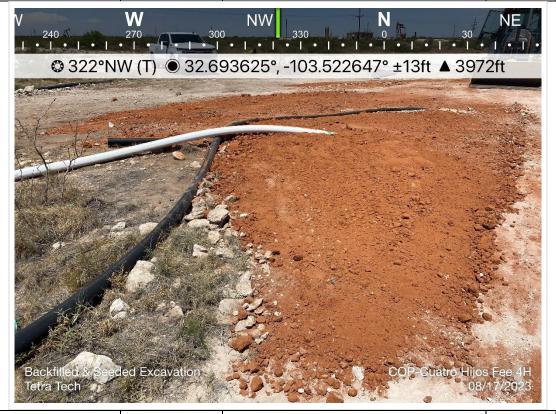
TETRA TECH, INC.	DESCRIPTION	View east north-east. View of completed excavation. Surface polylines present.	7
PROJECT NO. 212C-MD-03154	SITE NAME	Cuatro Hijos Fee 4H PW Flowline Release	8/17/2023



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View south- southwest. View of completed excavation. Surface polylines present.	8
212C-MD-03154	SITE NAME	Cuatro Hijos Fee 4H PW Flowline Release	8/17/2023



TETRA TECH, INC.	DESCRIPTION	View south-southeast. View of backfilled and seeded excavation. Surface polylines present.	9
PROJECT NO. 212C-MD-03154	SITE NAME	Cuatro Hijos Fee 4H PW Flowline Release	8/17/2023



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View north-northwest. View of backfilled and seeded excavation. Surface polylines present.	10
212C-MD-03154	SITE NAME	Cuatro Hijos Fee 4H PW Flowline Release	8/17/2023

APPENDIX F Waste Manifests

TRANSPORTER'S MANIFEST

MANIFEST# 0\

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

1410 NW County Rd, Hobbs, NM 88240

Attn. Jacob Laird

Jacob.Laird@conocophillips.com

575.703.5482

ACCOUNTING INFORMATION

CUATRO HIJOS FEE #004H Release - BU Project Assoc. CUATRO HIJOS FEE #004H

API 30-025-41752

LOCATION OF MATERIAL:

ConocoPhillips Company

CUATRO HIJOS FEE #004H

Unit Letter A, Section 02, Township 19 South, Range 34 East

Lea County, New Mexico

TRANSPORTER NAME AND ADDRESS:

McNabb Partners

4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

TRUCK #

DESCRIPTION OF WASTE:

Impacted Soil

TRUCK CAPACITY:

APPROXIMATE % FULL

31

90%

APPROXIMATE VOLUME HAULED OFF

18 yds

FACILITY CONTACT:

15 Ang 2023

Signature of Contact:

(Agent for ConocoPhillips)

drew Garcia

NAME OF TRANSPORTER (Driver):

Date: 08-15-202?

Signature Driver:

Albara

WAL

DISPOSAL SITE:

R360 P.O. Box 388

4507 W Carlsbad Hwy Hobbs, New Mexico 88241

Date:

Signature

Representative

Received by OCD: 9/19/2023 8:27:07 AM Page 71 of 76 700-1463258 CONOCOPHILLIPS Ticket #: Customer: O6UJ9A000JVW Bid #: Customer #: CRI2190 Ordered by: ANDREW GARCIA Date: 8/15/2023 CONOCOPHILLIPS Generator: AFE #: Generator #: PO #: Well Ser. #: 41752L Manifest #: 01 **CUATRO HIJOS FEE** Well Name: Manif. Date: 8/15/2023 SOLUTIONS 004H Well #: MCNABB PARTNERS Hauler: Permian Basin Field: **ALBARO** Driver Field #: Truck # 31 NON-DRILLING Rig: Card # LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 18.00 yards 16 yds Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): Other (Provide description above) _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge R360 Representative Signature **Driver/ Agent Signature Customer Approval** THIS IS NOT AN INVOICE!

Date: Approved By:

t6UJ9A01VRAI Released to Imaging: 12/18/2023 4:28:47 PM

TRANSPORTER'S MANIFEST

MANIFEST# 2

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

1410 NW County Rd, Hobbs, NM 88240 Attn. Jacob Laird

Jacob.Laird@conocophillips.com

575.703.5482

ACCOUNTING INFORMATION

CUATRO HIJOS FEE #004H Release - BU Project

Assoc. CUATRO HIJOS FEE #004H

API 30-025-41752

LOCATION OF MATERIAL:

ConocoPhillips Company

CUATRO HIJOS FEE #004H

Unit Letter A, Section 02, Township 19 South, Range 34 East

Lea County, New Mexico

TRANSPORTER NAME AND ADDRESS:

McNabb Partners 4008 N. Grimes

Hobbs, New Mexico 88240

575.397.0050

DESCRIPTION OF WASTE:

Impacted Soil

TRUCK CAPACITY:

APPROXIMATE % FULL

APPROXIMATE VOLUME HAULED OFF

FACILITY CONTACT:

Date:

Signature of Contact:

(Agent for ConocoPhillips)

TRUCK #

NAME OF TRANSPORTER (Driver):

Date: 8-16-23

Signature Driver: ACIE MAYBERRY / KICK
BEIly DUMP

DISPOSAL SITE:

R360 P.O. Box 388 4507 W Carlsbad Hwy Hobbs, New Mexico 88241

Date:

Representative

Signature

Received by OCD: 9/19/2023 8:27:07 AM Customer: Page 73 of 76 CONOCOPHILLIPS 700-1463675 Ticket #: Customer #: CRI2190 O6UJ9A000JEC Bid #: Ordered by: JACOB LAIRD 8/16/2023 Date: CONOCOPHILLIPS Generator: AFE #: PO #: Generator #: 40946 Well Ser. #: 41752L Manifest #: CUATRO HIJOS FEE SOLUTIONS Manif. Date: 8/16/2023 Well Name: MCNABB PARTNERS LLC Well #: 004H Hauler: Permian Basin ACIE Field: Driver Truck # M83 Field #: Ria: NON-DRILLING Card # LEA (NM) Job Ref# County Facility: CRI **Quantity Units Product / Service** 18.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) **R360 Representative Signature Driver/ Agent Signature Customer Approval**

Date:

THIS IS NOT AN INVOICE!

t6UJ9A01VS0C Released to Imaging: 12/18/2023 4:28:47 PM

Approved By:

TRANSPORTER'S MANIFEST

manifest# 3

SHIPPING FACILITY NAME & ADDRESS:

ConocoPhillips Company

1410 NW County Rd, Hobbs, NM 88240 Attn. Jacob Laird

Jacob.Laird@conocophillips.com

575.703.5482

ACCOUNTING INFORMATION

CUATRO HIJOS FEE #004H Release – BU Project Assoc. CUATRO HIJOS FEE #004H

API 30-025-41752

LOCATION OF MATERIAL:

ConocoPhillips Company

CUATRO HIJOS FEE #004H

Unit Letter A, Section 02, Township 19 South, Range 34 East

Lea County, New Mexico

TRANSPORTER NAME AND ADDRESS:

McNabb Partners 4008 N. Grimes Hobbs, New Mexico 88240 575.397.0050 TRUCK#

M 83

DESCRIPTION OF WASTE:

Impacted Soil

TRUCK CAPACITY:

20cm

APPROXIMATE % FULL

90 %

APPROXIMATE VOLUME HAULED OFF

18cg

FACILITY CONTACT:

Date:

8/16/23

Signature of Contact:

(Agent for ConocoPhillips)

NAME OF TRANSPORTER (Driver):

Date: 8-16-23

Signature Driver: #Cle

Paybooky Tenct M8

DISPOSAL SITE:

R360 P.O. Box 388 4507 W Carlsbad Hwy Hobbs, New Mexico 88241

Date:

3

Representative

Signature

Page 75 of 76 Received by OCD: 9/19/2023 8:27:07 AM 700-1463842 CONOCOPHILLIPS Ticket #: Customer: O6UJ9A000JVW Bid #: Customer #: CRI2190 8/16/2023 Ordered by: JACOB LAIRD Date: CONOCOPHILLIPS Generator: AFE #: Generator #: PO #: 41752L Well Ser. #: Manifest #: **CUATRO HIJOS FEE** Manif. Date: 8/16/2023 Well Name: SOLUTIONS 004H Well #: MCNABB PARTNERS Hauler: Permian Basin Field: ACIE Driver Field #: M83 Truck # NON-DRILLING Rig: Card # LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 18.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waster is non-hazardous-(Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval**

THIS IS NOT AN INVOICE!

Approved By: _____ Date: ____

t6UJ9A01VS8M Released to Imaging: 12/18/2023 4:28:47 PM

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

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

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

CONDITIONS

Action 266720

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	266720
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	12/18/2023