



April 12, 2024

Brittany Hall  
Projects Environmental Specialist  
Oil Conservation Division  
New Mexico Energy, Minerals and Natural Resources Department  
1220 South St. Francis Drive  
Santa Fe, NM 87505

**RE: Closure Report  
ConocoPhillips Company  
Stampede Federal WC Com 34 #001H  
Unit Letter E, Section 34, Township 26 South, Range 31 East  
Eddy County, New Mexico  
Incident ID# nAB1431639646**

Ms. Hall,

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (ConocoPhillips) to assess a historical release at the Stampede Federal WC Com 34 #001H (API No. 30-015-42123). The release footprint is located in Public Land Survey System (PLSS) Unit Letter E, Section 34, Township 26 South, and Range 31 East, in Eddy County, New Mexico (Site). The approximate release point occurred at coordinates 32.000917°, -103.773324°, as shown on Figures 1 and 2.

## BACKGROUND

According to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Initial Report, the release was discovered on November 3, 2014. The C-141 reports that the #1 pony rod clamp failed while pumping a slick water stage (fresh water with friction reducing agent), causing damage to the suction valve on the #11 frac pump and allowing discharge pressure to reach the suction manifold and causing the 4-inch discharge hose to burst. Approximately 20 barrels (bbls) of "slick water" was released onto location. A vacuum truck on standby began picking up the spilled fluid immediately. Approximately 19 bbls of "slick water" was recovered. The remaining spilled fluid was covered with absorbent pads and removed prior to high wind and heavy rain covering the area. The NMOCD approved the initial C-141 on November 10, 2014, and subsequently assigned the release the Incident ID nAB1431639646. The initial C-141 form is included in Appendix A.

This incident is included in an Agreed Compliance Order-Releases (ACO-R) between ConocoPhillips and the NMOCD signed on May 7 and 9, 2019, respectively.

## LAND OWNERSHIP

According to the NMOCD Oil and Gas Map, the Site is located on Bureau of Land Management (BLM) Lands. The BLM was notified prior to any remedial activities commencing for this incident. The BLM provided verbal authorization to conduct remedial activities and followed up with email confirmation on April 3, 2024. Associated correspondence is located in Appendix B.

Tetra Tech

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

Tel 432.682.4559 Fax 432.682.3946 www.tetrattech.com

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April 12, 2024

ConocoPhillips

## SITE CHARACTERIZATION

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). The Site is in an area of medium karst potential.

There are no water wells listed in the New Mexico Office of the State Engineer (NMOSE) database located within approximately ½ mile (800 meters) of the Site. According to data from one (1) water well listed in the NMOSE database within approximately 3.6 miles (5,897 meters) of the Site, the minimum depth to groundwater is 295 feet below ground surface (bgs). The site characterization data is presented in Appendix B.

## 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 conducted and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

Constituent	Site RRAL
Chloride	600 mg/kg
TPH (GRO+DRO+MRO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

## 2020 VISUAL SITE INSPECTION AND CLOSURE REQUEST

Tetra Tech, on behalf of ConocoPhillips, conducted a records review and a visual inspection of the release in 2020. On June 8, 2020, Tetra Tech personnel were onsite to evaluate the release area. The formerly impacted area was identified from the description in the C-141. Review of available historical aerial imagery did not reveal evidence of the release. No surficial staining was noted at the point of the release on the well pad, in the adjacent pasture area, nor along the adjacent lease road. The approximate release point is presented in Figure 3.

Tetra Tech completed a Closure Letter Report dated October 15, 2020, and submitted the report to NMOCD as part of the ACO submittals via the online file sharing platform CentreStack. A copy of the Closure Letter Report is available in the NMOCD online incident files.

The Closure Letter Report was rejected by NMOCD on April 18, 2023, with the following comments:

- *“Closure for this incident is not approved.*
- *The OCD requires that this release be Remediated according to 19.15.29.12 NMAC and 19.15.29.13 NMAC as they apply to this release and resubmit a closure report by 07/17/2023.”*

## 2023 SITE ASSESSMENT AND REMEDIATION WORK PLAN

Tetra Tech personnel were initially onsite on October 27, 2023, to conduct assessment activities at the Site. Five (5) hand auger borings (AH-3 through AH-7) were installed to 1-foot bgs around the perimeter to achieve horizontal delineation. Two (2) hand auger borings were installed within the apparent release extent

to achieve vertical delineation. Hand auger refusal was met at roughly 2 feet bgs; therefore, vertical delineation was not achieved due to the dense subsurface lithology beneath the release footprint.

Tetra Tech remobilized to the site on December 11, 2023, to install two (2) trenches (T-1 and T-2) to 3 feet bgs using a backhoe to evaluate the vertical extents of the release footprint. An additional hand auger boring (AH-8) was installed to the east of the release extent to 1-foot bgs to further refine the horizontal extent of the release. Trench T-1 was installed as close as possible to AH-1; however, due to the presence of production equipment within the release extent, a 10-foot distance was maintained between the heavy machinery used for sampling and the wellhead for safety reasons. Boring locations from the October and December 2023 sampling event are presented in Figure 3. Photographic documentation of the Site is included in Appendix C.

A total of sixteen (16) soil samples were collected from the seven borings and sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for chloride via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8261B. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix D.

The laboratory analytical results from the October and December 2023 assessments are summarized in Table 1. Analytical results associated with the 0-1 foot, 1-1.5 feet, and 1.5-2.5 feet sample intervals at AH-1 exceeded the Site RRALs for chloride (600 mg/kg). There were no other analytical results which exceeded the Site RRALs for any of the analyzed constituents. Horizontal delineation of the release was achieved as a result of the October and December 2023 additional assessment activities. Vertical delineation was not fully delineated at AH-1 due to hand auger refusal at this location; however, T-1 was installed to 3 feet bgs with no analytical results exceeding the Site RRALs.

## WORK PLAN APPROVAL

A Release Characterization and Remediation Work Plan (Work Plan) dated January 8, 2024, was prepared based on the results of the 2023 release assessment activities and submitted to the NMOCD for approval. The Work Plan was approved by NMOCD in an email dated January 23, 2024, with the following comments:

- *Remediation plan approved.*
- *Wall confirmation samples adjacent to the "exclusion zone" on Figures 4 and 5 will need to be collected if those areas are left in place due to the inability to excavate due to buried pressurized lines or other equipment.*
- *Submit a complete closure report through the OCD Permitting website by 4/23/2024.*

The Bureau of Land Management approved the remediation plan on March 8, 2024, via email. Verbal approval to remediate was granted by Shelly Tucker. Corresponding email approval followed on April 3, 2024. A copy of BLM and OCD approval are included as Appendix E.

## REMEDIATION ACTIVITIES AND CONFIRMATION SAMPLING

In March 2024, Tetra Tech personnel were onsite to remediate the release as proposed in the approved Work Plan, including excavation, disposal, and backfill. The extent of impacted soils was confirmed with field soil screening data and excavated to 3 feet bgs within the release extent. Areas in close proximity to pressurized lines or other production equipment were hand-dug to depths of 3 feet bgs or the maximum extent practicable.

Prior to confirmation sampling, in accordance with Subsection D of 19.15.29.12 NMAC, the NMOCD was notified via the OCD portal on March 6, 2024. Documentation of associated regulatory correspondence is included in Appendix E.

On March 11, 2024, Tetra Tech personnel were onsite for confirmation sampling. Confirmation floor and sidewall samples were collected for laboratory analysis to verify that the impacted materials were properly

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April 12, 2024

ConocoPhillips

removed. As directed by the OCD, wall confirmation sidewall samples were collected adjacent to the exclusion zone. Each confirmation sample laboratory analytical result was directly compared to the approved RRALs to demonstrate compliance. Photographs from the excavated areas prior to backfill are provided in Appendix C.

All of the excavated material was transported offsite for proper disposal. Approximately twenty-eight (28) cubic yards of material were transported to the R360 Red Bluff Facility in Orla, Texas. Copies of the waste manifests are included in Appendix F.

Per the conditions of the NMOCD approval of the Work Plan, confirmation samples were collected such that each discrete sample (sidewall and floor) were representative of no more than 400 square feet of excavated area. A total of one (1) floor sample location and six (6) sidewall sample locations were used during the remedial activities.

Due to multiple non-aggressive excavation / buffer zones in the release area interior confirmation samples were collected. Confirmation sidewall sample locations were labeled with "SW"-#, confirmation floor sample locations were labeled with "FS"-#, and confirmation interior sample locations were labeled "INT-SW-#". Analytical results for all confirmation soil samples (floor, sidewall, and buffer zone) were below the respective RRALs for chloride, BTEX, and TPH. The results of the March 2024 confirmation sampling events are summarized in Table 2. Laboratory analytical data is included in Appendix E. Excavated areas, depths and confirmation sample locations are shown in Figure 4.

## RECLAMATION ACTIVITIES

In accordance with 19.15.29.13 NMAC, all areas disturbed by the remediation have been reclaimed. Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Cardinal. The soil samples were analyzed for TPH (GRO+DRO+MRO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chlorides by SM4500CI-B. The analytical results were directly compared to the reclamation requirements and established Site RRALs to demonstrate compliance.

Once acceptable confirmation sample results were received, the excavation was backfilled with clean material to pre-release grade. All final confirmation soil samples (floor and sidewall) were below applicable cleanup levels for chloride, TPH, and BTEX. Excavated areas, depths and confirmation sample locations are indicated in Figure 4. In accordance with 19.15.29.12 NMAC, the reclaimed area contains a minimum non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by SM4500CI-B.

One (1) representative 5-point composite sample was previously collected from the backfill material used at the Stampede remediation (collected for the reclamation of the James A Com #001 Tank Release nAB1722132401, and the closure for this incident was approved on March 8, 2024). Soil backfill composite sampling results are summarized in Table 3.

Backfilled areas were restored to the original condition or the final land use. As the release footprint was within an active pad, the release was not seeded. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C.

## CONCLUSION

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

Closure Report  
April 12, 2024

ConocoPhillips

If you have any questions concerning the remediation activities for the Site, please call me at (512) 739-7874.

Sincerely,  
**Tetra Tech, Inc.**



Lisbeth Chavira  
Project Manager



Christian M. Llull, P.G.  
Program Manager

cc:  
Mr. Moises H. Cantu Garcia, PBU – ConocoPhillips

## LIST OF ATTACHMENTS

### Figures:

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Approximate Release Extent and Site Assessment (2023)
- Figure 4 – Remediation Extents and Confirmation Sampling (2024)

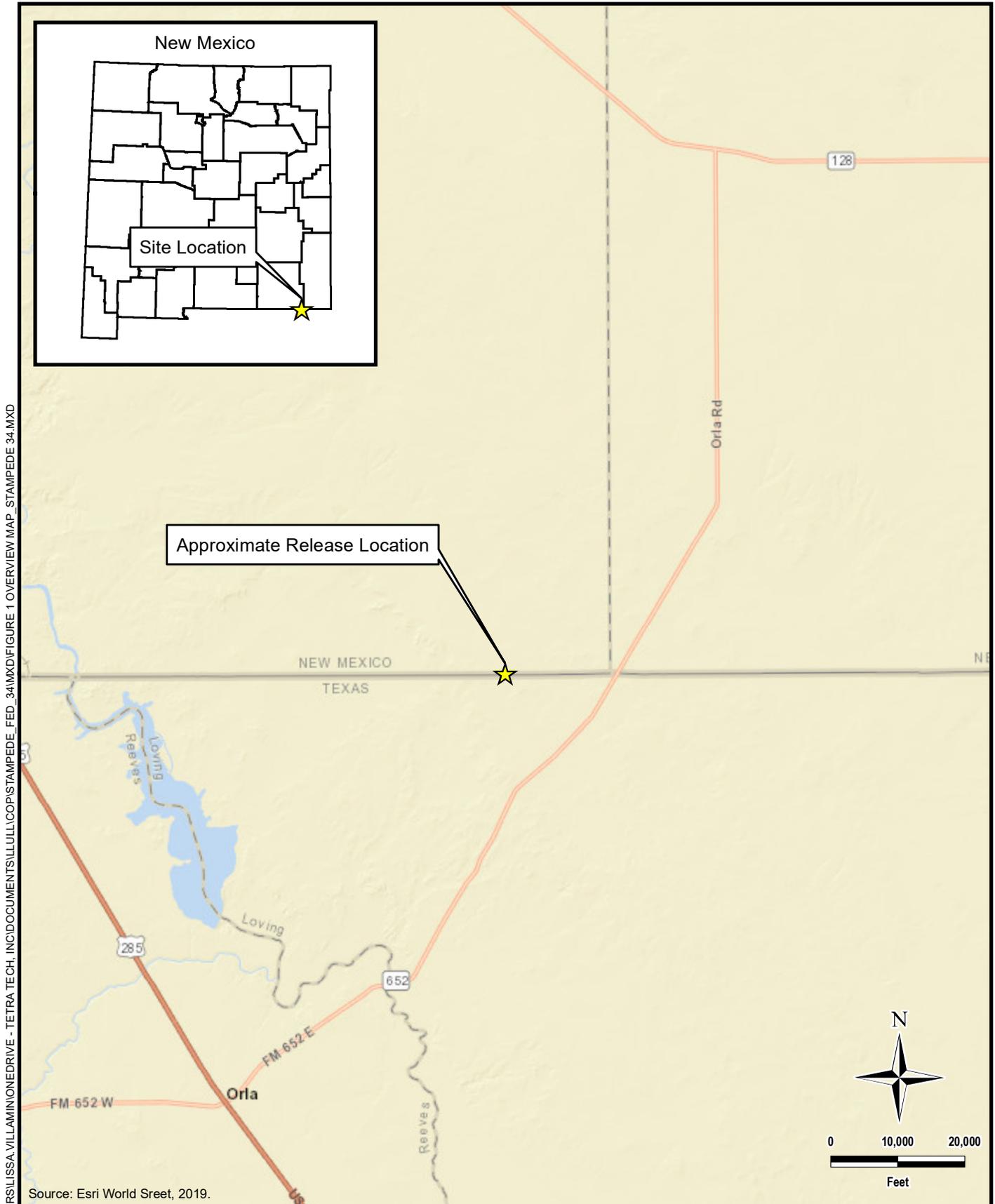
### Tables:

- Table 1 – Summary of Analytical Results – 2023 Soil Assessment
- Table 2 – Summary of Analytical Results – 2024 Soil Remediation
- Table 3 – Summary of Analytical Results – Backfill Composite

### Appendices:

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

# **FIGURES**



DOCUMENT PATH: C:\USERS\LISSA.VILLAMINIONEDRIVE - TETRA TECH\INCIDOCUMENTS\ILLULLICOPI\STAMPEDE\_FED\_34\MXD\FIGURE 1 OVERVIEW MAP\_STAMPEDE 34.MXD

Source: Esri World Sreet, 2019.



**TETRA TECH**

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**CONOCOPHILLIPS**

NAB1431639646  
(32.000917°, -103.773324°)  
EDDY COUNTY, NEW MEXICO

**STAMPEDE FEDERAL WC COM 34 #001H RELEASE  
OVERVIEW MAP**

PROJECT NO.: 212C-MD-03248

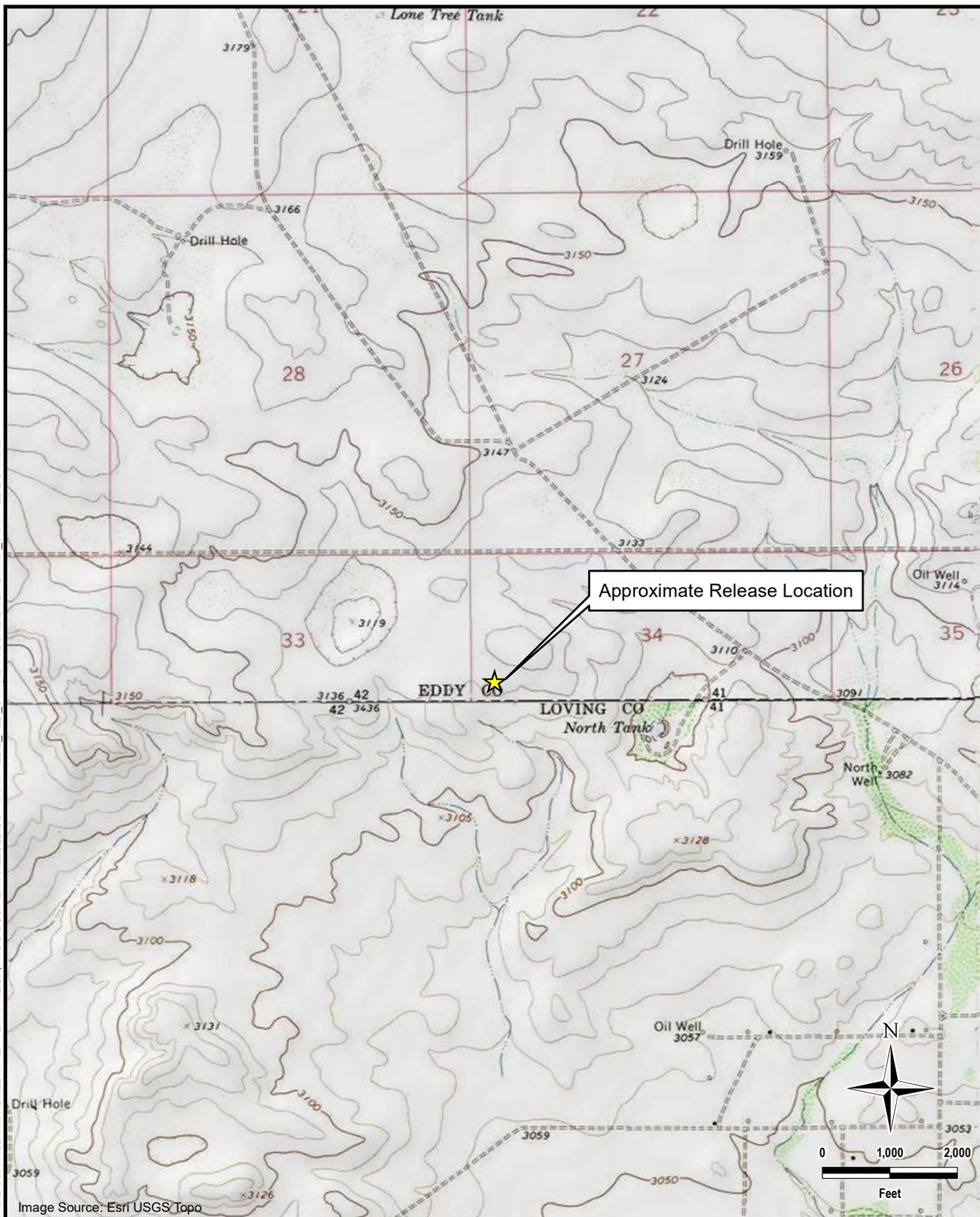
DATE: NOVEMBER 09, 2023

DESIGNED BY: LMV

Figure No.

**1**

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CONOCOPHILLIPS

NAB1431639646  
(32.000917°, -103.773324°)  
EDDY COUNTY, NEW MEXICO

**STAMPEDE FEDERAL WC COM 34 #001H RELEASE  
TOPOGRAPHIC MAP**

PROJECT NO.: 212C-MD-03248

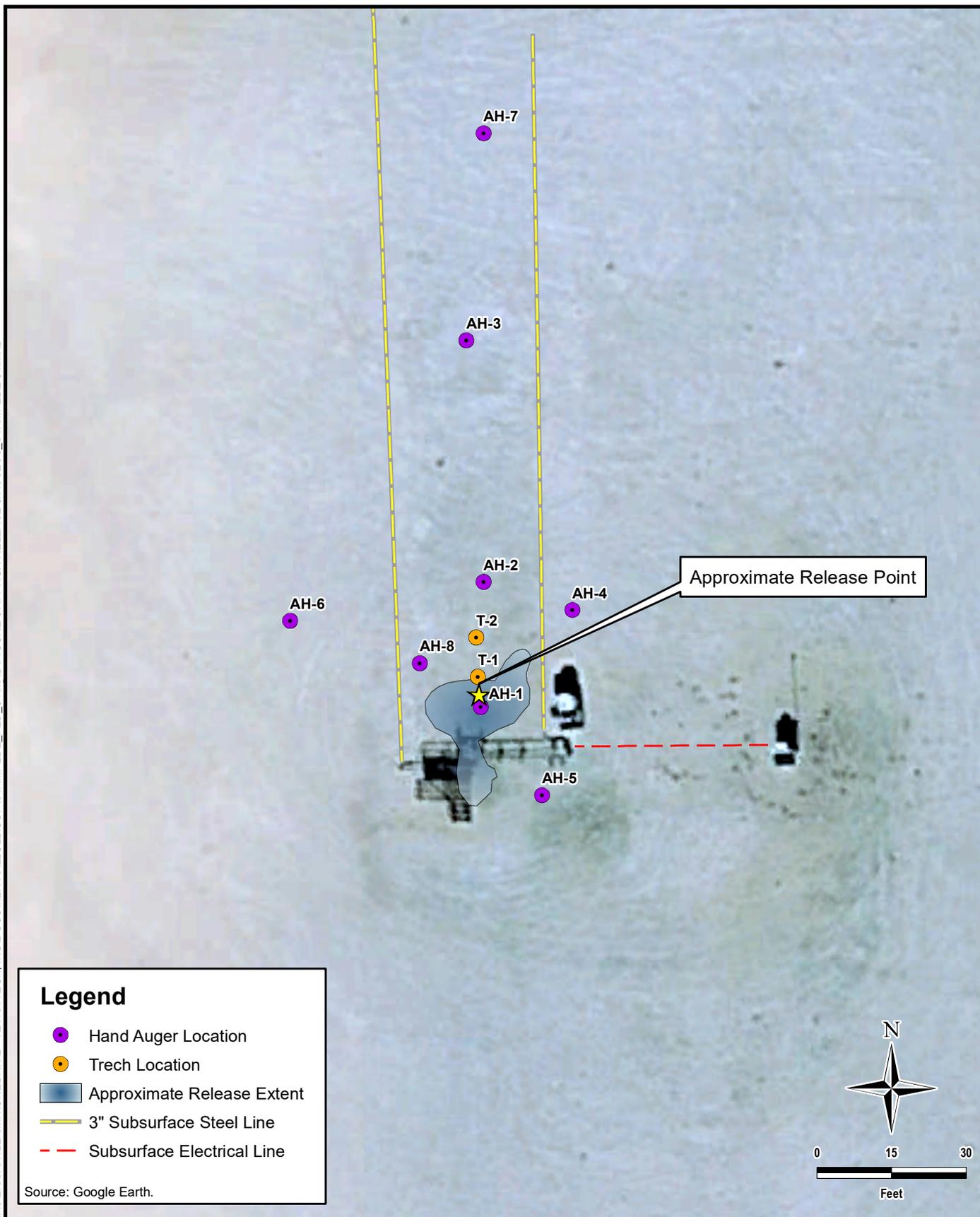
DATE: NOVEMBER 09, 2023

DESIGNED BY: LMV

Figure No.

**2**

DOCUMENT PATH: C:\USERS\LISSA.VILLAMINIONEDRIVE - TETRA TECH\INCIDENTS\STAMPEDE\_FED\_34\MXD\FIGURE 3 APPROX RELEASE & ASSESS\_STAMPEDE 34.MXD



**Legend**

- Hand Auger Location
- Trech Location
- Approximate Release Extent
- 3" Subsurface Steel Line
- Subsurface Electrical Line

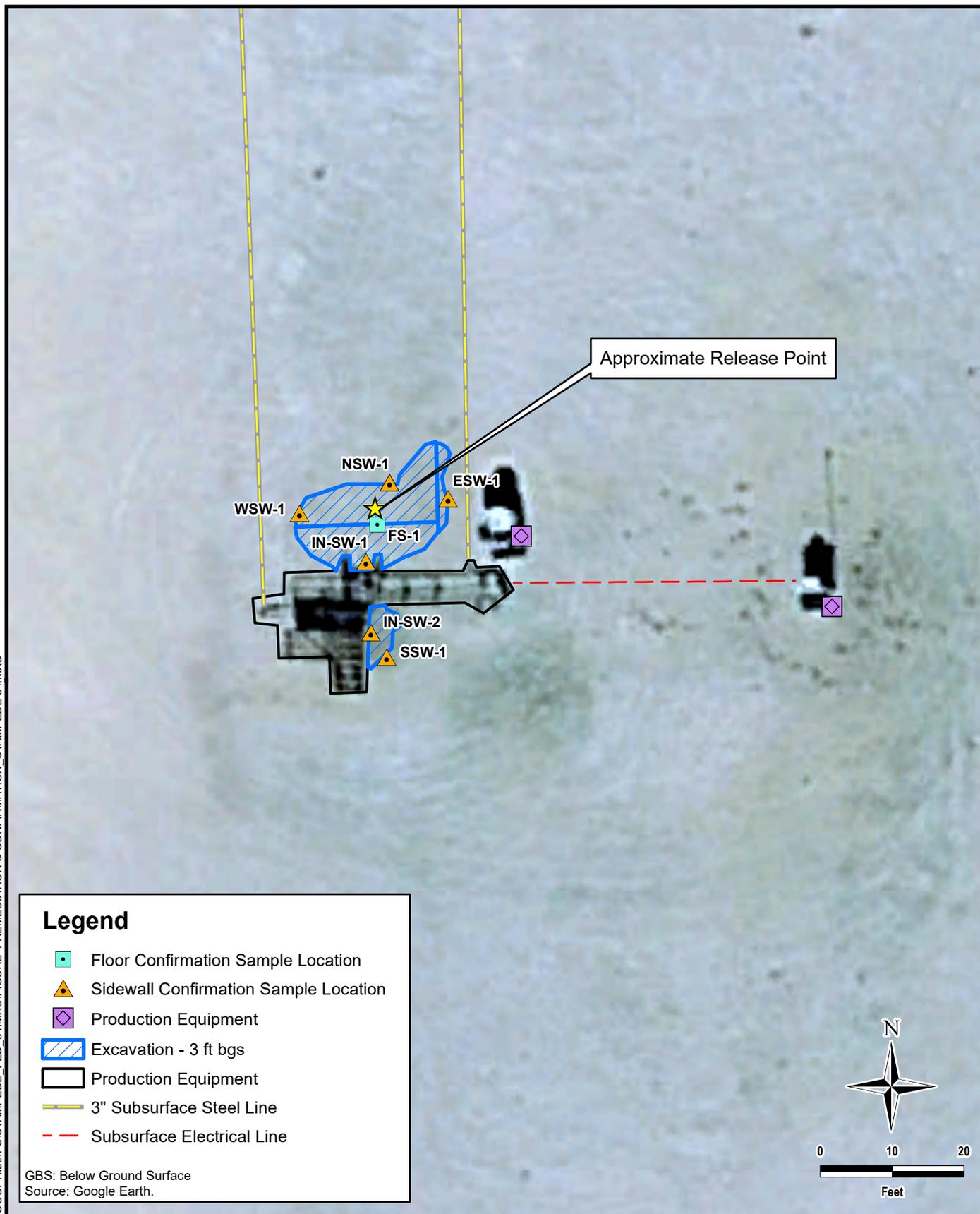
Source: Google Earth.

N

0      15      30

Feet

<p><b>TETRA TECH</b></p> <p>www.tetratech.com</p> <p>901 West Wall Street, Suite 100 Midland, Texas 79701 Phone: (432) 682-4559 Fax: (432) 682-3946</p>	<p><b>CONOCOPHILLIPS</b></p> <p>NAB1431639646 (32.000917°, -103.773324°) EDDY COUNTY, NEW MEXICO</p>	<p>PROJECT NO.: 212C-MD-03248</p>
	<p><b>STAMPEDE FEDERAL WC COM 34 #001H RELEASE APPROXIMATE RELEASE EXTENT AND SITE ASSESSMENT</b></p>	<p>DATE: DECEMBER 19, 2023</p> <p>DESIGNED BY: LMV</p>
		<p>Figure No.</p> <p style="font-size: 24px; font-weight: bold;">3</p>

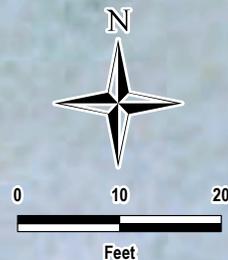


DOCUMENT PATH: Y:\CONOCOPHILLIPS\STAMPEDE\_FED\_34\MXD\FIGURE 4 REMEDIATION & CONFIRMATION\_STAMPEDE 34.MXD

**Legend**

- Floor Confirmation Sample Location
- Sidewall Confirmation Sample Location
- Production Equipment
- Excavation - 3 ft bgs
- Production Equipment
- 3" Subsurface Steel Line
- Subsurface Electrical Line

GBS: Below Ground Surface  
Source: Google Earth.



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**CONOCOPHILLIPS**

NAB1431639646  
(32.000917°, -103.773324°)  
EDDY COUNTY, NEW MEXICO

**STAMPEDE FEDERAL WC COM 34 #001H RELEASE  
REMEDATION EXTENTS AND CONFIRMATION SAMPLING (2024)**

PROJECT NO.: 212C-MD-03248

DATE: MARCH 25, 2024

DESIGNED BY: LMV

Figure No.

**4**

# **TABLES**

TABLE 1  
 SUMMARY OF ANALYTICAL RESULTS  
 SOIL ASSESSMENT- NAB1431639646  
 CONOCOPHILLIPS  
 STAMPEDE FEDERAL WC COM 34 #001H  
 EDDY COUNTY, NM

19.15.29.12 NMAC Closure Criteria for Soils Impacted by a Release (< 50ft):				Chlorides <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>									
Sample ID	Sample Date	Sample Depth Interval	FIELD SCREENING Chlorides ppm	< 600 mg/kg		< 10 mg/kg		Toluene		Ethylbenzene		Total Xylenes		< 50mg/kg		GRO		DRO		EXT DRO		< 100 mg/kg	-		
				mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	Total TPH (GRO+DRO+EXT DRO)	GRO+DRO
				Chloride		Benzene		Total BTEX		C <sub>6</sub> - C <sub>10</sub>		> C <sub>10</sub> - C <sub>28</sub>		> C <sub>28</sub> - C <sub>36</sub>		mg/kg		mg/kg							
AH-1	10/27/2023	0-1	-	<b>960</b>		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
		1-1.5	-	<b>608</b>		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
		1.5-2	-	<b>688</b>		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
AH-2	10/27/2023	0-1	-	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
		1-1.5	-	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
		1.5-2	-	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
AH-3	10/27/2023	0-1	-	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
AH-4	10/27/2023	0-1	-	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
AH-5	10/27/2023	0-1	-	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
AH-6	10/27/2023	0-1	-	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
AH-7	10/27/2023	0-1	-	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
AH-8	12/11/2023	0-1	694	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
T-1	12/11/2023	0-1	700	592		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
		2-3	450	304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
T-2	12/11/2023	0-1	200	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
		2-3	175	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		

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

**Bold and italicized values indicate exceedance of proposed RRALs and Reclamation Requirements.**  
 Shaded rows indicate intervals proposed for excavation.

TABLE 2  
 SUMMARY OF ANALYTICAL RESULTS  
 SOIL REMEDIATION - NAB1431639646  
 CONOCOPHILLIPS  
 STAMPEDE FEDERAL WC COM 34 #001H  
 EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>						
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)
					mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	
					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
NSW-1	3/11/2024	-	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
ESW-1	3/11/2024	-	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-1	3/11/2024	-	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
SSW-1	3/11/2024	-	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
IN-SW-1	3/11/2024	-	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
IN-SW-2	3/11/2024	-	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-1	3/11/2024	-	240		<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

TABLE 3  
 SUMMARY OF ANALYTICAL RESULTS  
 SUTTON PIT - SOIL BACKFILL - NAB1722132401  
 CONOCOPHILLIPS  
 JAMES A COM #001 TANK RELEASE  
 EDDY COUNTY, NM

Sample ID	Sample Date	Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>						
				Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)
				mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	
BACKFILL - COMPOSITE	2/15/2024	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-

NOTES:

- ft. Feet
- bgs Below ground surface
- mg/kg Milligrams per kilogram
- TPH Total Petroleum Hydrocarbons
- GRO Gasoline range organics
- DRO Diesel range organics
- 1 Method SM4500C1-B
- 2 Method 8021B
- 3 Method 8015M

# **APPENDIX A C-141 Forms**

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

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

**NM OIL CONSERVATION**

ARTESIA DISTRICT

Form C-141  
Revised August 8, 2011

NOV 06 2014

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

RECEIVED

**Release Notification and Corrective Action**

*NAB14316396416*

**OPERATOR**

Initial Report  Final Report

Name of Company	ConocoPhillips	Contact	Weldon Ellis (HSE Coordinator)
Address	3300 North A Street, Midland, Texas 79705	Telephone No.	432-688-6862
Facility Name	Stampede Federal WC COM 34-1H	Facility Type	Appraisal Well
Surface Owner	Mineral Owner	API No. 3001542123	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
4	34	26 S	31 E	250	FSL	380	FWL(SWSW)	EDDY
D	27	26 S	31 E	330	FNL	380	FWL(NWNW)	EDDY

Latitude 32° 0'2.7" N Longitude 103° 46'22.282" W

**NATURE OF RELEASE**

Type of Release	Slick water	Volume of Release	20 Bbls	Volume Recovered	19 Bbls
Source of Release	Burst 4" discharge hose	Date and Hour of Occurrence	11-3-2014 @5:40pm	Date and Hour of Discovery	11-3-2014 @5:40pm
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Called BLM - Left message		
By Whom?	Alan Cain (HSE Coordinator)	Date and Hour	11-5-2014 @10:00am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	N/A		

If a Watercourse was Impacted, Describe Fully.\*  
  
N/A

Describe Cause of Problem and Remedial Action Taken.\*

While pumping a slick water stage (fresh water with friction reducing agent) the #1 pony rod clamp failed causing damage to the suction valve on the #1 frac pump allowing discharge pressure to reach the suction manifold and causing the 4" discharge hose to burst. The pump stage was immediately stopped and the failed pump and hose were isolated. Approximately 20 Bbls of "slick water" was released onto location. A vacuum truck on standby began picking up the spilled fluid immediately. Approximately 19 Bbls of "slick water" was recovered.

Describe Area Affected and Cleanup Action Taken.\*

The remaining spilled fluid was covered with absorbent pads and removed prior to high wind and heavy rain covering the area.

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

Signature: <i>Weldon Ellis</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Weldon Ellis	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: HSE Coordinator	Approval Date: <i>11/10/14</i>	Expiration Date: <i>N/A</i>
E-mail Address: Weldon.ellis@contractor.cop.com	Conditions of Approval:	
Date: 11-6-2014	Remediation per O.C.D. Rules & Guidelines	
Phone: 432-688-6862	SUBMIT REMEDIATION PROPOSAL NO	
	Attached <input type="checkbox"/>	

Remediation per O.C.D. Rules & Guidelines  
SUBMIT REMEDIATION PROPOSAL NO

LATER THAN: 12/10/14

*2RP-2592*

\* Attach Additional Sheets If Necessary

**Patterson, Heather, EMNRD**

---

**From:** Hughes, Solomon <shughes@blm.gov>  
**Sent:** Thursday, November 06, 2014 10:46 AM  
**To:** weldon.ellis@contractor.cop.com  
**Cc:** Patterson, Heather, EMNRD  
**Subject:** Spill at Stampede Fed 34-01H  
**Attachments:** Blank C-141.doc

Mr. Ellis,

The form we need for the 20-bbl slickwater fracturing fluid spill at the below-referenced location is attached. Please, make sure this form also gets to Heather Patterson of NMOCD; she is copied on this email.

Stampede Fed 34-01H  
Lease: LC-068282A  
API: 30-015-42123  
SW/SW, Sec. 34, 26S-31E

Bests,  
Sol

**Sol Hughes**

Environmental Protection Division  
Bureau of Land Management  
620 E. Greene St  
Carlsbad, NM

Office: 575.234.5951  
Cell: 575.499.3378

Incident ID	NAB1431639646
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>50 _____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	NAB1431639646
District RP	
Facility ID	
Application ID	

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

Printed Name: Moises H Cantu Garcia Title: Sr. Environmental Engineer

Signature: Moises H Cantu Garcia Date: 1/8/2024

email: Moises.H.CantuGarcia@conocophillips.com Telephone: 432-688-6090

**OCD Only**

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

Incident ID	NAB1431639646
District RP	
Facility ID	
Application ID	

## Remediation Plan

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

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

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

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

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

Printed Name: Moises H Cantu Garcia Title: Sr. Environmental Engineer  
 Signature: Moises H Cantu Garcia Date: 1/8/2024  
 email: Moises.H.CantuGarcia@conocophillips.com Telephone: 432-688-6090

**OCD Only**

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

- Approved       Approved with Attached Conditions of Approval       Denied       Deferral Approved

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

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
 Action 302199

**CONDITIONS**

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 302199
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**CONDITIONS**

Created By	Condition	Condition Date
bhall	Remediation plan approved. Wall confirmation samples adjacent to the "exclusion zone" on Figures 4 and 5 will need to be collected if those areas are left in place due to the inability to excavate due to buried pressurized lines or other equipment.	1/23/2024
bhall	Submit a complete closure report through the OCD Permitting website by 4/23/2024.	1/23/2024

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

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

Signature: Moises H Cantu Garcia Date: \_\_\_\_\_

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

**OCD Only**

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

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

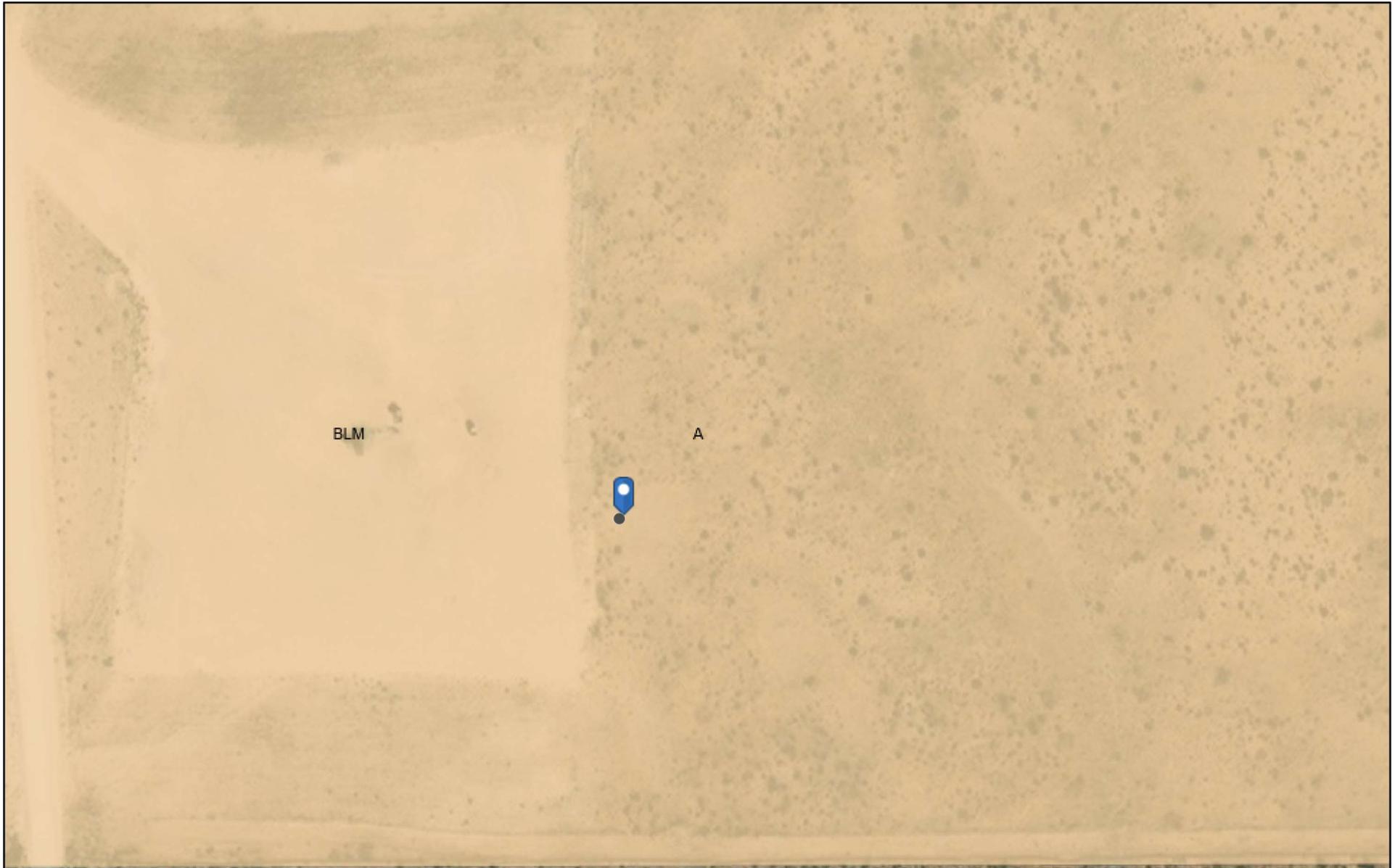
Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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

# **APPENDIX B**

## **Site Characterization Data**

# OCD Land Ownership



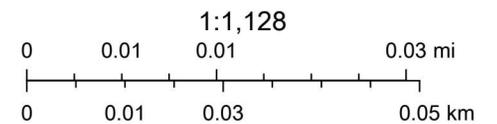
10/12/2023, 12:27:54 PM

Mineral Ownership

A-All minerals are owned by U.S.

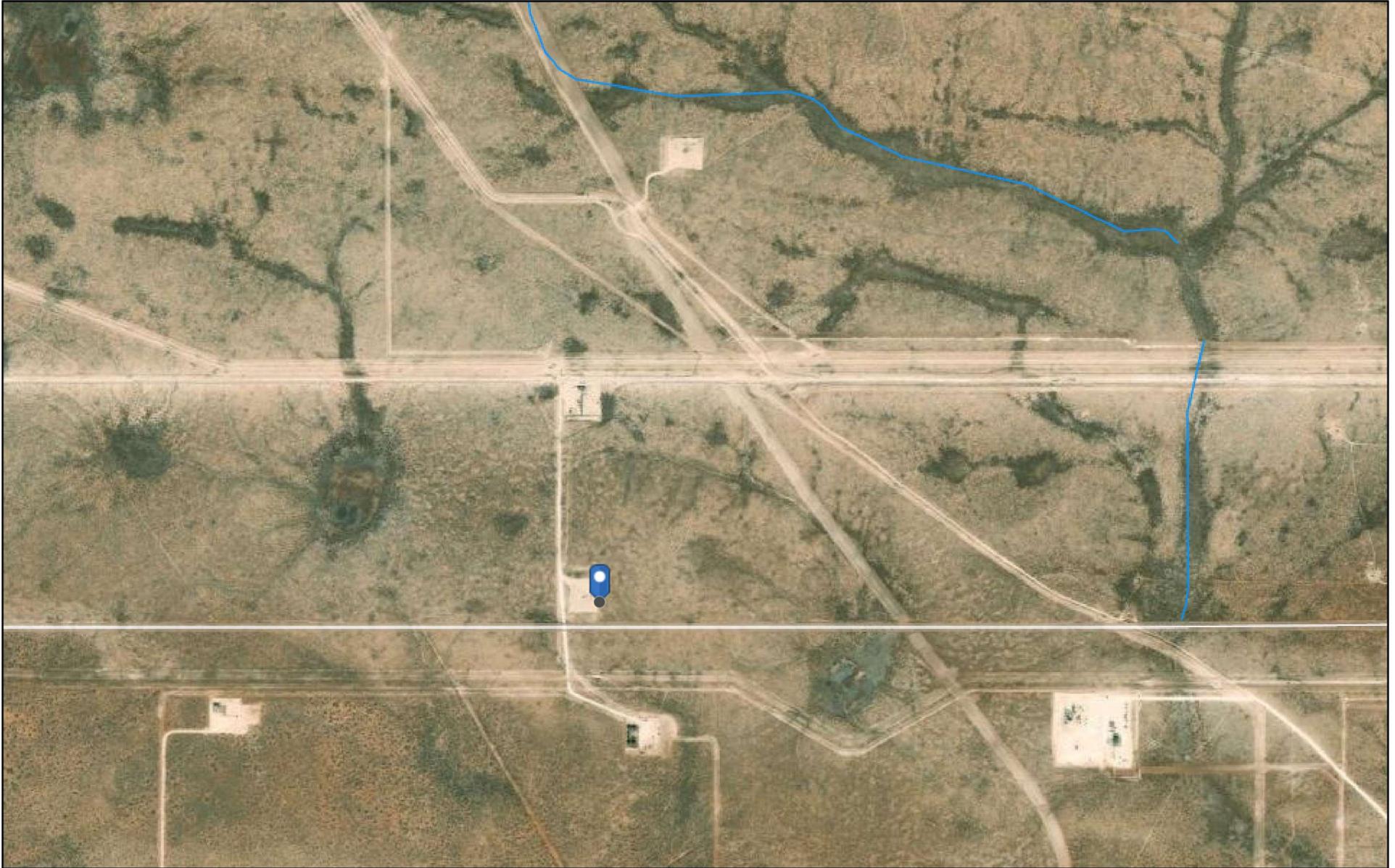
Land Ownership

BLM



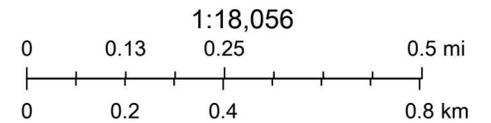
U.S. BLM, Maxar, Microsoft, Esri, HERE, Garmin, iPC

# OCD waterbodies



10/12/2023, 12:30:29 PM

— OSE Streams



Esri, HERE, Garmin, IPC, Maxar, NM OSE

# National Flood Hazard Layer FIRMette



103°46'43"W 32°0'19"N



## Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/11/2023 at 12:49 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

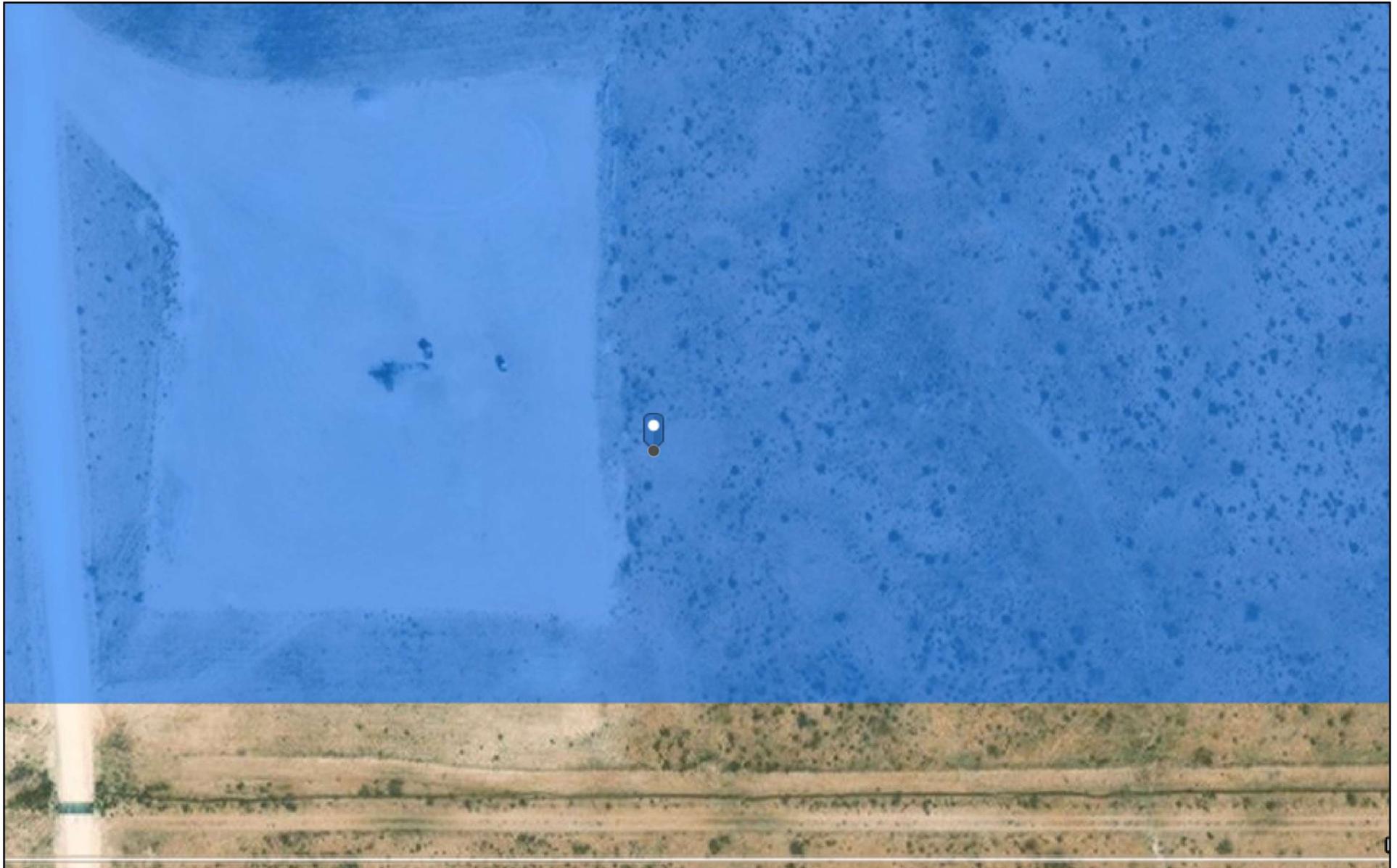
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

Released to Imaging: 4/15/2024 8:09:45 AM

1:6,000

103°46'5"W 31°59'48"N

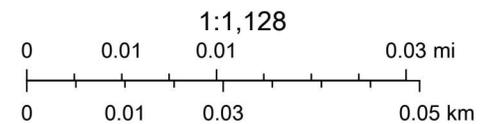
# OCD Karst Areas



10/11/2023, 12:03:33 PM

Karst Occurrence Potential

 Medium



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



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 04769</a> <b>POD1</b>	CUB	ED		2	1	2	21	26S	31E	615225	3544832	3694	101		
<a href="#">C 02274</a>	CUB	LE		2	1	2	31	26S	32E	621742	3541730*	5897	300	295	5

Average Depth to Water: **295 feet**

Minimum Depth: **295 feet**

Maximum Depth: **295 feet**

**Record Count: 2**

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 615868.88

**Northing (Y):** 3541194.67

**Radius:** 6000

\*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.



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)									
<b>Well Tag</b>	<b>POD Number</b>		<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>	
NA	C 04769 POD1		2	1	2	21	26S	31E	615225	3544832	

<small>x</small>											
<b>Driller License:</b>	1249	<b>Driller Company:</b>	ATKINS ENGINEERING ASSOC. INC.								
<b>Driller Name:</b>	JACKIE D ATKINS										
<b>Drill Start Date:</b>	09/08/2023	<b>Drill Finish Date:</b>	09/08/2023	<b>Plug Date:</b>	09/12/2023						
<b>Log File Date:</b>	09/14/2023	<b>PCW Rcv Date:</b>		<b>Source:</b>							
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>		<b>Estimated Yield:</b>							
<b>Casing Size:</b>		<b>Depth Well:</b>	101 feet	<b>Depth Water:</b>							

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.

10/12/23 11:23 AM

POINT OF DIVERSION SUMMARY

# **APPENDIX C**

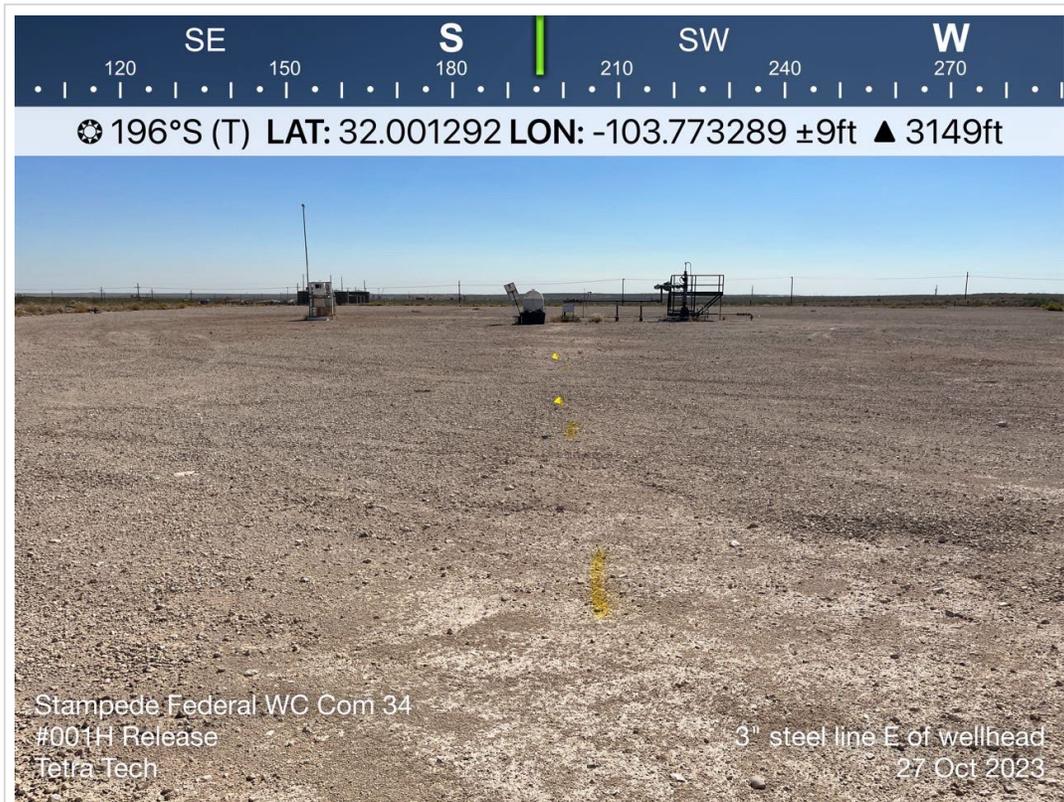
## **Photographic Documentation**



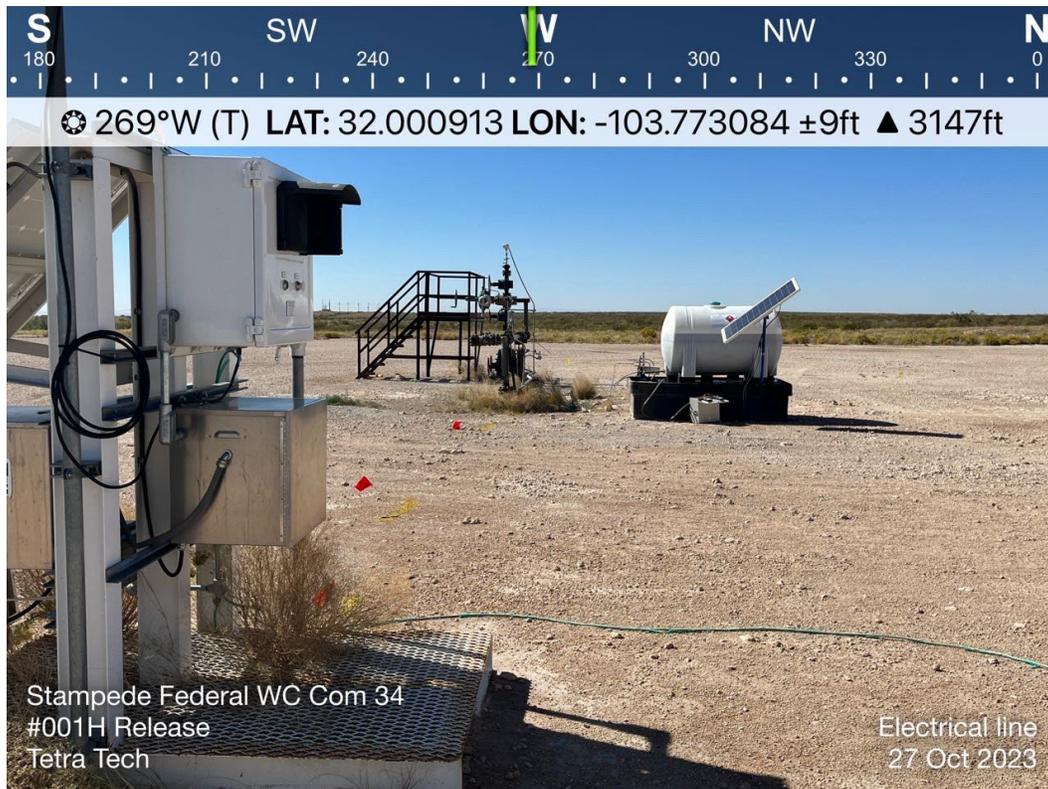
TETRA TECH, INC. PROJECT NO. 212C-MD-03248	DESCRIPTION	View south-southwest of sight signage. Stampede Federal WC Com 34-1H.	1
	SITE NAME	STAMPEDE FEDERAL WC COM #001 Release	10/27/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03248	DESCRIPTION	View north-northwest of 3" subsurface steel line. View of approximate release extent.	2
	SITE NAME	STAMPEDE FEDERAL WC COM #001 Release	10/27/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03248	DESCRIPTION	View south of 3" subsurface steel line east of wellhead. View of approximate release extent.	3
	SITE NAME	STAMPEDE FEDERAL WC COM #001 Release	10/27/2023



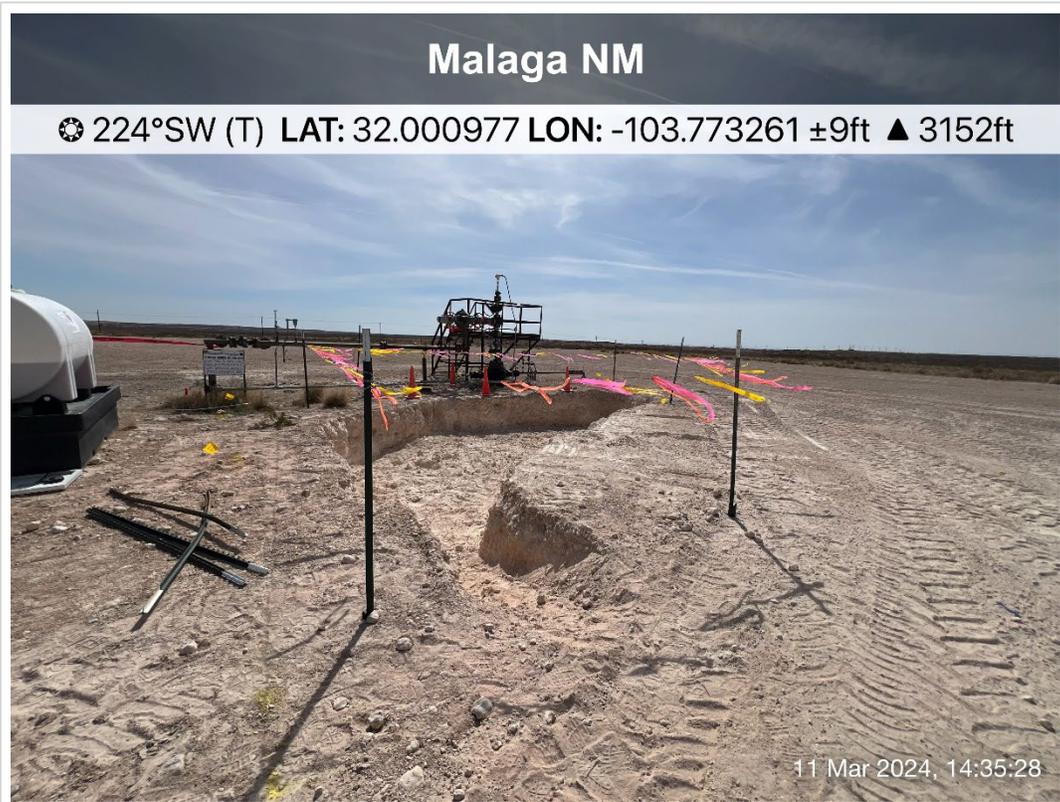
TETRA TECH, INC. PROJECT NO. 212C-MD-03248	DESCRIPTION	View west of subsurface electrical line east of well head.	4
	SITE NAME	STAMPEDE FEDERAL WC COM #001 Release	10/27/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03248	DESCRIPTION	View south-southwest of wellhead and 3" subsurface steel line. View of approximate release Point.	5
	SITE NAME	STAMPEDE FEDERAL WC COM #001 Release	10/27/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03248	DESCRIPTION	View south-southeast of wellhead and 3" subsurface steel line. View of approximate release Point.	6
	SITE NAME	STAMPEDE FEDERAL WC COM #001 Release	3/13/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03248	DESCRIPTION	View of excavation. View of production equipment.	7
	SITE NAME	STAMPEDE FEDERAL WC COM #001 Release	3/11/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03248	DESCRIPTION	View south-southwest. View of excavation and production equipment.	8
	SITE NAME	STAMPEDE FEDERAL WC COM #001 Release	3/13/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03248	DESCRIPTION	View north. View of 3 ft excavation.	9
	SITE NAME	STAMPEDE FEDERAL WC COM #001 Release	10/27/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03248	DESCRIPTION	View south-southwest. View of southeast excavation to 3 ft bgs.	10
	SITE NAME	STAMPEDE FEDERAL WC COM #001 Release	10/27/2023



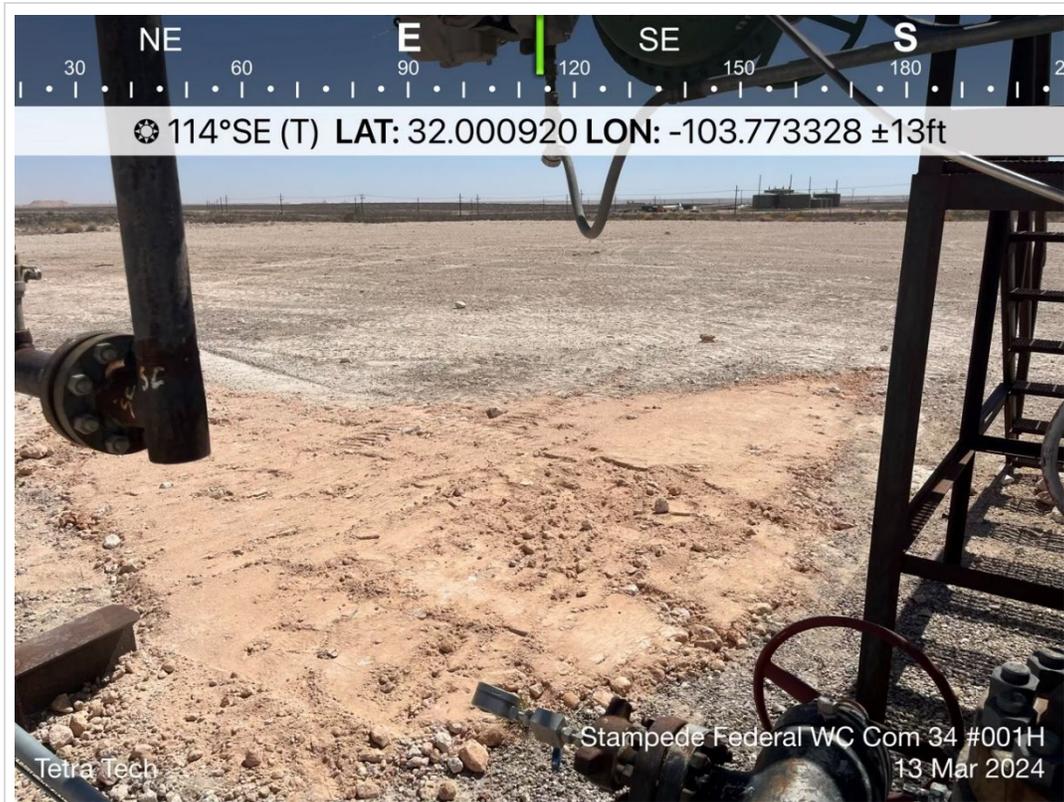
TETRA TECH, INC. PROJECT NO. 212C-MD-03248	DESCRIPTION	View south-southwest of wellhead and 3" subsurface steel line. View of approximate release Point.	11
	SITE NAME	STAMPEDE FEDERAL WC COM #001 Release	10/27/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03248	DESCRIPTION	View northwest. View of backfilled area.	12
	SITE NAME	STAMPEDE FEDERAL WC COM #001 Release	10/27/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03248	DESCRIPTION	View south. View of backfilled excavation. View of production equipment.	13
	SITE NAME	STAMPEDE FEDERAL WC COM #001 Release	3/13/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03248	DESCRIPTION	View east. View of backfilled excavation to the southeast.	14
	SITE NAME	STAMPEDE FEDERAL WC COM #001 Release	3/13/2024

# **APPENDIX D**

## **Laboratory Analytical Reports**



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

---

February 16, 2024

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: JAMES A COM #001 TANK RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 02/15/24 11:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/15/2024	Sampling Date:	02/15/2024
Reported:	02/16/2024	Sampling Type:	Soil
Project Name:	JAMES A COM #001 TANK RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03239	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

**Sample ID: BACKFILL - COMPOSITE (H240726-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2024	ND	2.07	104	2.00	3.24	
Toluene*	<0.050	0.050	02/15/2024	ND	2.17	109	2.00	3.64	
Ethylbenzene*	<0.050	0.050	02/15/2024	ND	2.16	108	2.00	3.48	
Total Xylenes*	<0.150	0.150	02/15/2024	ND	6.57	109	6.00	3.60	
Total BTEX	<0.300	0.300	02/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/16/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2024	ND	212	106	200	2.63	
DRO >C10-C28*	<10.0	10.0	02/16/2024	ND	200	99.9	200	3.94	
EXT DRO >C28-C36	<10.0	10.0	02/16/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager





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March 12, 2024

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: STAMPEDE FEDERAL WC COM 34 #001 H

Enclosed are the results of analyses for samples received by the laboratory on 03/11/24 16:30.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2024	Sampling Date:	03/11/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001 I	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03248	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

**Sample ID: NSW - 1 (H241226-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2024	ND	2.38	119	2.00	1.64	
Toluene*	<0.050	0.050	03/12/2024	ND	2.32	116	2.00	4.81	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.33	117	2.00	4.80	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.94	116	6.00	4.32	
Total BTEX	<0.300	0.300	03/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/12/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2024	ND	241	121	200	5.73	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	228	114	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 70.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2024	Sampling Date:	03/11/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03248	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

**Sample ID: ESW - 1 (H241226-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2024	ND	2.38	119	2.00	1.64	
Toluene*	<0.050	0.050	03/12/2024	ND	2.32	116	2.00	4.81	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.33	117	2.00	4.80	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.94	116	6.00	4.32	
Total BTEX	<0.300	0.300	03/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/12/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2024	ND	241	121	200	5.73	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	228	114	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 74.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2024	Sampling Date:	03/11/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03248	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

**Sample ID: WSW - 1 (H241226-03)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2024	ND	2.38	119	2.00	1.64		
Toluene*	<0.050	0.050	03/12/2024	ND	2.32	116	2.00	4.81		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.33	117	2.00	4.80		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.94	116	6.00	4.32		
Total BTEX	<0.300	0.300	03/12/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/12/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/12/2024	ND	241	121	200	5.73		
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	228	114	200	3.68		
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND						

Surrogate: 1-Chlorooctane 69.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2024	Sampling Date:	03/11/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03248	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

**Sample ID: SSW - 1 (H241226-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2024	ND	2.38	119	2.00	1.64	
Toluene*	<0.050	0.050	03/12/2024	ND	2.32	116	2.00	4.81	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.33	117	2.00	4.80	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.94	116	6.00	4.32	
Total BTEX	<0.300	0.300	03/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/12/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2024	ND	210	105	200	5.21	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	198	98.9	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2024	Sampling Date:	03/11/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03248	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

**Sample ID: IN - SW - 1 (H241226-05)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2024	ND	2.38	119	2.00	1.64		
Toluene*	<0.050	0.050	03/12/2024	ND	2.32	116	2.00	4.81		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.33	117	2.00	4.80		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.94	116	6.00	4.32		
Total BTEX	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/12/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/12/2024	ND	210	105	200	5.21		
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	198	98.9	200	4.25		
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND						

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2024	Sampling Date:	03/11/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03248	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

**Sample ID: IN - SW - 2 (H241226-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2024	ND	2.38	119	2.00	1.64	
Toluene*	<0.050	0.050	03/12/2024	ND	2.32	116	2.00	4.81	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.33	117	2.00	4.80	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.94	116	6.00	4.32	
Total BTEX	<0.300	0.300	03/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/12/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2024	ND	210	105	200	5.21	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	198	98.9	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2024	Sampling Date:	03/11/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03248	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

**Sample ID: FS - 1 (H241226-07)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2024	ND	2.38	119	2.00	1.64	
Toluene*	<0.050	0.050	03/12/2024	ND	2.32	116	2.00	4.81	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.33	117	2.00	4.80	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.94	116	6.00	4.32	
Total BTEX	<0.300	0.300	03/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/12/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2024	ND	210	105	200	5.21	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	198	98.9	200	4.25	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Notes and Definitions**

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

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Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: <b>Conoco Phillips</b> Project Manager: <b>Lisbeth Chavira</b>		P.O. #: <b>BILL TO</b> Company: <b>Feta Tech</b> Attn: <b>Lisbeth Chavira</b>	
Address: _____ City: _____ State: _____ Zip: _____		Address: _____ City: _____ State: _____ Zip: _____	
Project #: <b>212C-MD-03248</b> Project Owner: _____ Project Name: <b>Stamped Federal WC Com 34 #001H</b>		City: _____ State: _____ Zip: _____	
Project Location: <b>Eddy Co, NM</b>		Phone #: _____ Fax #: _____	
Sampler Name: <b>Andrew Garcia</b>		FOR LAB USE ONLY	
Lab I.D. <b>AK112ab</b>	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS
1 NSW-1 2 ESW-1 3 WSW-1 4 SSW-1 5 IN-SW-1 6 IN-SW-2 7 FS-1	1 11 2 11 3 11 4 11 5 11 6 11 7 11	MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	PRESERV ACID/BASE: ICE / COOL OTHER:
		DATE 2024 3/11	SAMPLING TIME 1000 1030 1100 1130 1200 1230 1300
		TPH BTEX Chlorides	

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Relinquished By: **Andrew Garcia** Date: **3/11/24** Time: **16:30**  
 Received By: **Stodkiewicz** Date: \_\_\_\_\_ Time: \_\_\_\_\_

Delivered By: (Circle One)  UPS  Bus  Other: \_\_\_\_\_  
 Observed Temp. °C: **44** Corrected Temp. °C: \_\_\_\_\_  
 Sample Condition:  Intact  Cool  Intact  Yes  No  Yes  No

Turnaround Time: **24 HR TAT** Standard  Rush   
 Thermo ID #140  Bacteria (only) Sample Condition  Observed Temp. °C  
 Correction Factor 0°C  Yes  No  Yes  No  Corrected Temp. °C

REMARKS: **Michelle, please e-transfer to Lisbeth Chavira at feta tech, com**

Vertical Result:  Yes  No  Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address: \_\_\_\_\_

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



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

---

November 03, 2023

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: STAMPEDE FEDERAL WC COM 34 #001 H

Enclosed are the results of analyses for samples received by the laboratory on 10/27/23 15:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	10/27/2023	Sampling Date:	10/27/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001 I	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03248	Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO NM		

**Sample ID: AH - 1 (0-1') (H235918-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	2.63	
Toluene*	<0.050	0.050	11/02/2023	ND	1.86	92.9	2.00	6.11	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	1.91	95.3	2.00	8.03	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.64	94.1	6.00	9.31	
Total BTEX	<0.300	0.300	11/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	11/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	204	102	200	1.62	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	209	105	200	0.212	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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\*=Accredited Analyte

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



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

**Analytical Results For:**

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

Received:	10/27/2023	Sampling Date:	10/27/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03248	Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO NM		

**Sample ID: AH - 1 (1'-1.5') (H235918-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	2.63	
Toluene*	<0.050	0.050	11/02/2023	ND	1.86	92.9	2.00	6.11	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	1.91	95.3	2.00	8.03	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.64	94.1	6.00	9.31	
Total BTEX	<0.300	0.300	11/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	11/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	204	102	200	1.62	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	209	105	200	0.212	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 72.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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\*=Accredited Analyte

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



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

**Analytical Results For:**

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

Received:	10/27/2023	Sampling Date:	10/27/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03248	Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO NM		

**Sample ID: AH - 1 (1.5'-2') (H235918-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	2.63	
Toluene*	<0.050	0.050	11/02/2023	ND	1.86	92.9	2.00	6.11	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	1.91	95.3	2.00	8.03	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.64	94.1	6.00	9.31	
Total BTEX	<0.300	0.300	11/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>688</b>	16.0	11/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	204	102	200	1.62	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	209	105	200	0.212	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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



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**Analytical Results For:**

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

Received:	10/27/2023	Sampling Date:	10/27/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03248	Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO NM		

**Sample ID: AH - 2 (0-1') (H235918-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	2.63	
Toluene*	<0.050	0.050	11/02/2023	ND	1.86	92.9	2.00	6.11	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	1.91	95.3	2.00	8.03	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.64	94.1	6.00	9.31	
Total BTEX	<0.300	0.300	11/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	204	102	200	1.62	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	209	105	200	0.212	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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



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**Analytical Results For:**

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

Received:	10/27/2023	Sampling Date:	10/27/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03248	Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO NM		

**Sample ID: AH - 2 (1'-1.5') (H235918-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	2.63	
Toluene*	<0.050	0.050	11/02/2023	ND	1.86	92.9	2.00	6.11	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	1.91	95.3	2.00	8.03	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.64	94.1	6.00	9.31	
Total BTEX	<0.300	0.300	11/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	204	102	200	1.62	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	209	105	200	0.212	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

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



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

**Analytical Results For:**

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

Received:	10/27/2023	Sampling Date:	10/27/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03248	Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO NM		

**Sample ID: AH - 2 (1.5'-2') (H235918-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	2.63	
Toluene*	<0.050	0.050	11/02/2023	ND	1.86	92.9	2.00	6.11	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	1.91	95.3	2.00	8.03	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.64	94.1	6.00	9.31	
Total BTEX	<0.300	0.300	11/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	204	102	200	1.62	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	209	105	200	0.212	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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\*=Accredited Analyte

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



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

**Analytical Results For:**

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

Received:	10/27/2023	Sampling Date:	10/27/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03248	Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO NM		

**Sample ID: AH - 3 (H235918-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	2.63	
Toluene*	<0.050	0.050	11/02/2023	ND	1.86	92.9	2.00	6.11	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	1.91	95.3	2.00	8.03	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.64	94.1	6.00	9.31	
Total BTEX	<0.300	0.300	11/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	204	102	200	1.62	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	209	105	200	0.212	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.5 % 49.1-148

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\*=Accredited Analyte

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



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

**Analytical Results For:**

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

Received:	10/27/2023	Sampling Date:	10/27/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03248	Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO NM		

**Sample ID: AH - 4 (H235918-08)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	2.63	
Toluene*	<0.050	0.050	11/02/2023	ND	1.86	92.9	2.00	6.11	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	1.91	95.3	2.00	8.03	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.64	94.1	6.00	9.31	
Total BTEX	<0.300	0.300	11/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	182	90.9	200	2.91	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	168	84.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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



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**Analytical Results For:**

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

Received:	10/27/2023	Sampling Date:	10/27/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03248	Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO NM		

**Sample ID: AH - 5 (H235918-09)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	2.63	
Toluene*	<0.050	0.050	11/02/2023	ND	1.86	92.9	2.00	6.11	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	1.91	95.3	2.00	8.03	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.64	94.1	6.00	9.31	
Total BTEX	<0.300	0.300	11/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	182	90.9	200	2.91	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	168	84.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 72.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.2 % 49.1-148

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



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**Analytical Results For:**

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

Received:	10/27/2023	Sampling Date:	10/27/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03248	Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO NM		

**Sample ID: AH - 6 (H235918-10)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	2.63	
Toluene*	<0.050	0.050	11/02/2023	ND	1.86	92.9	2.00	6.11	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	1.91	95.3	2.00	8.03	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.64	94.1	6.00	9.31	
Total BTEX	<0.300	0.300	11/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	182	90.9	200	2.91	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	168	84.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.3 % 49.1-148

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



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

**Analytical Results For:**

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

Received:	10/27/2023	Sampling Date:	10/27/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03248	Sample Received By:	Dionica Hinojos
Project Location:	EDDY CO NM		

**Sample ID: AH - 7 (H235918-11)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2023	ND	2.02	101	2.00	2.63	
Toluene*	<0.050	0.050	11/02/2023	ND	1.86	92.9	2.00	6.11	
Ethylbenzene*	<0.050	0.050	11/02/2023	ND	1.91	95.3	2.00	8.03	
Total Xylenes*	<0.150	0.150	11/02/2023	ND	5.64	94.1	6.00	9.31	
Total BTEX	<0.300	0.300	11/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2023	ND	182	90.9	200	2.91	
DRO >C10-C28*	<10.0	10.0	11/02/2023	ND	168	84.2	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	11/02/2023	ND					

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.8 % 49.1-148

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



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**Notes and Definitions**

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

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



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Page 1 of 2

Company Name: <b>Conoco Phillips</b> Project Manager: <b>Christina Lull</b> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: <b>212C-WD-03248</b> Project Owner: _____ Project Name: <b>Stampe Federal W/Can 34 #001H</b> Project Location: <b>Eddy Co, NM</b> Sampler Name: <b>Andrew Garcia</b>		<b>BILL TO</b> P.O. #: _____ Company: <b>TetraTech</b> Attn: <b>Christina Lull</b> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C: <b>33.0</b> Corrected Temp. °C: _____ FOM: 0001-34971123		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sample Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Relinquished By: <b>Andrew Garcia</b> Date: <b>04/27/23</b> Time: <b>15:45</b>		Received By: _____ Date: _____ Time: _____	
Turnaround Time: _____ Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/> Cool Intact <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C _____		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Time #: _____ All Results are emailed. Please provide Email address: _____ REMARKS: <b>Christina.Lull@tetratech.com</b> <b>Nichols.Parker@tetratech.com</b>	
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Lab I.D.: _____ Sample I.D.: _____ H235918	AH-1 (0-1') AH-1 (1.5'-2.2') AH-2 (0-1') AH-2 (1'-1.5') AH-3 AH-4 AH-5 AH-6	(G)RAB OR (C)OMP. _____ # CONTAINERS _____ GROUNDWATER _____ WASTEWATER _____ MATRIX: SOIL _____ OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____	DATE: <b>2023</b> TIME: _____ TPH _____ BTEX _____ Chlorides _____

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

page 2 of 2

BILL TO

ANALYSIS REQUEST

Company Name: Conoco Phillips  
 Project Manager: Christon Bluh  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 P.O. #: \_\_\_\_\_  
 Company: Tetra Tech  
 Attn: Christon Bluh  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Project #: 212C-MD-03248 Project Owner: \_\_\_\_\_  
 Project Name: Stampele Federal W/Com 34 #001H  
 Project Location: Eddy Co, NM  
 Phone #: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Sampler Name: Andrew Garcia Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	TPH	BTEX	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
<u>H235918</u>	<u>11</u>	<u>G</u>	<u>1</u>			<u>X</u>	<u>X</u>			<u>X</u>	<u>04 27</u>	<u>2023</u>	<u>X</u>	<u>X</u>	<u>X</u>	

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Relinquished By: Andrew Garcia  
 Date: 04/27/23  
 Time: 15:45  
 Received By: [Signature]  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Delivered By: (Circle One) Observed Temp. °C: 33.2  
 Corrected Temp. °C: \_\_\_\_\_  
 Sample Condition:  Cool  Intact  
 Yes  No  
 Checked By: [Signature]  
 Turnaround Time: \_\_\_\_\_ Standard Rush   
 Thermometer ID #140 Bacteria (only) Sample Condition  
 Correction Factor 0°C  Yes  No  Yes  No  
 Observed Temp. °C: \_\_\_\_\_  
 Corrected Temp. °C: \_\_\_\_\_



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December 18, 2023

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: STAMPEDE FEDERAL WC COM 34 #001 H RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 12/13/23 9:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/13/2023	Sampling Date:	12/11/2023
Reported:	12/18/2023	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001 I	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03246	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

**Sample ID: T - 1 (0-1') (H236645-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2023	ND	2.19	109	2.00	3.69	
Toluene*	<0.050	0.050	12/13/2023	ND	2.35	118	2.00	5.50	
Ethylbenzene*	<0.050	0.050	12/13/2023	ND	2.49	124	2.00	6.92	
Total Xylenes*	<0.150	0.150	12/13/2023	ND	7.43	124	6.00	8.67	
Total BTEX	<0.300	0.300	12/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	12/14/2023	ND	400	100	400	11.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2023	ND	210	105	200	2.48	
DRO >C10-C28*	<10.0	10.0	12/13/2023	ND	184	92.2	200	6.88	
EXT DRO >C28-C36	<10.0	10.0	12/13/2023	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/13/2023	Sampling Date:	12/11/2023
Reported:	12/18/2023	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03246	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

**Sample ID: T - 1 (2'-3') (H236645-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2023	ND	2.19	109	2.00	3.69	
Toluene*	<0.050	0.050	12/13/2023	ND	2.35	118	2.00	5.50	
Ethylbenzene*	<0.050	0.050	12/13/2023	ND	2.49	124	2.00	6.92	
Total Xylenes*	<0.150	0.150	12/13/2023	ND	7.43	124	6.00	8.67	
Total BTEX	<0.300	0.300	12/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	12/14/2023	ND	400	100	400	11.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2023	ND	210	105	200	2.48	
DRO >C10-C28*	<10.0	10.0	12/13/2023	ND	184	92.2	200	6.88	
EXT DRO >C28-C36	<10.0	10.0	12/13/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/13/2023	Sampling Date:	12/11/2023
Reported:	12/18/2023	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03246	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

**Sample ID: T - 2 (0-1') (H236645-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2023	ND	2.19	109	2.00	3.69	
Toluene*	<0.050	0.050	12/13/2023	ND	2.35	118	2.00	5.50	
Ethylbenzene*	<0.050	0.050	12/13/2023	ND	2.49	124	2.00	6.92	
Total Xylenes*	<0.150	0.150	12/13/2023	ND	7.43	124	6.00	8.67	
Total BTEX	<0.300	0.300	12/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/14/2023	ND	400	100	400	11.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2023	ND	210	105	200	2.48	
DRO >C10-C28*	<10.0	10.0	12/13/2023	ND	184	92.2	200	6.88	
EXT DRO >C28-C36	<10.0	10.0	12/13/2023	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/13/2023	Sampling Date:	12/11/2023
Reported:	12/18/2023	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03246	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

**Sample ID: T - 2 (2'-3') (H236645-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2023	ND	2.19	109	2.00	3.69	
Toluene*	<0.050	0.050	12/13/2023	ND	2.35	118	2.00	5.50	
Ethylbenzene*	<0.050	0.050	12/13/2023	ND	2.49	124	2.00	6.92	
Total Xylenes*	<0.150	0.150	12/13/2023	ND	7.43	124	6.00	8.67	
Total BTEX	<0.300	0.300	12/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/14/2023	ND	400	100	400	11.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2023	ND	210	105	200	2.48	
DRO >C10-C28*	<10.0	10.0	12/13/2023	ND	184	92.2	200	6.88	
EXT DRO >C28-C36	<10.0	10.0	12/13/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/13/2023	Sampling Date:	12/11/2023
Reported:	12/18/2023	Sampling Type:	Soil
Project Name:	STAMPEDE FEDERAL WC COM 34 #001	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03246	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

**Sample ID: AH - 8 (0-1') (H236645-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2023	ND	2.19	109	2.00	3.69	
Toluene*	<0.050	0.050	12/13/2023	ND	2.35	118	2.00	5.50	
Ethylbenzene*	<0.050	0.050	12/13/2023	ND	2.49	124	2.00	6.92	
Total Xylenes*	<0.150	0.150	12/13/2023	ND	7.43	124	6.00	8.67	
Total BTEX	<0.300	0.300	12/13/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/14/2023	ND	400	100	400	11.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2023	ND	210	105	200	2.48	
DRO >C10-C28*	<10.0	10.0	12/13/2023	ND	184	92.2	200	6.88	
EXT DRO >C28-C36	<10.0	10.0	12/13/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

101 East Marland, Hobbs, NM 88240  
 (575) 393-2328 FAX (575) 393-2476

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Tetra Tech  
 Project Manager: Christian Lull  
 Address: 8911 Capital o Texas Hwy, Suite 2310  
 City: Austin State: TX Zip:  
 Phone #: (512)565-0190 Fax #:  
 Project #: 212C-MD-03246 Project Owner: Cotoco/Philips  
 Project Name: Stampede Federal WC Com 34 #001H Release  
 Project Location: Eddy County, New Mexico  
 Sampler Name: Colton Bickerstaff  
 P.O. #: Company: Tetra Tech  
 Attn: Christian Lull  
 Address: EMAIL  
 City: State: Zip:  
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.	DATE	TIME	TPH 8015M	BTEX 8021B	Chloride SM4500CI-B
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE:						
	T-1 (0-1)	G	1	X								12/11/2023		X	X	X
	T-1 (2-3)	G	1	X								12/11/2023		X	X	X
	T-2 (0-1)	G	1	X								12/11/2023		X	X	X
	T-2 (2-3)	G	1	X								12/11/2023		X	X	X
	AH-8 (0-1)	G	1	X								12/11/2023		X	X	X

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Relinquished By: Colton Bickerstaff  
 Date: 12/13/23  
 Received By: *Stedrick Quij*  
 Date: *12/20/20*  
 Time: *08:00*  
 Observed Temp. - °C: *0.8*  
 Corrected Temp. - °C: *0.8*  
 Sample Condition:  Intact  Cool  Yes  No  
 CHECKED BY: *SR*  
 Turnaround Time:  Standard  Expedited  
 Bacterial (only) Sample Condition:  Yes  No  
 Thermometer ID: *445*  
 Correction Factor: *0.35*  
 Observed Temp. °C: *0.8*  
 Corrected Temp. °C: *0.8*  
 Verbal Result:  Yes  No  
 All Results are emailed. Please provide Email address: Christian.Lull@tetratech.com  
 REMARKS:  
 Add'l Phone #:  
 Add'l Phone #:

FORM-006 R.3.1 10/01/21

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

# **APPENDIX E**

## **Regulatory Correspondence**

**Chavira, Lisbeth**

---

**From:** Taylor, Shelly J <sjtaylor@blm.gov>  
**Sent:** Wednesday, April 3, 2024 6:45 PM  
**To:** Llull, Christian  
**Cc:** Chavira, Lisbeth  
**Subject:** Re: [EXTERNAL] Request for Approval - Remediation (Stampede Federal WC Com 34 # 001H)

You don't often get email from sjtaylor@blm.gov. [Learn why this is important](#)

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

To follow up with my verbal approval, you are hereby authorized to begin remedial activities.

Respectfully,

*Shelly J Taylor*

Assistant Field Manager  
Lands & Minerals - Acting

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

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



---

**From:** Llull, Christian <Christian.Llull@tetrattech.com>  
**Sent:** Friday, March 8, 2024 3:06 PM  
**To:** Taylor, Shelly J <sjtaylor@blm.gov>  
**Cc:** Chavira, Lisbeth <LISBETH.CHAVIRA@tetrattech.com>  
**Subject:** [EXTERNAL] Request for Approval - Remediation (Stampede Federal WC Com 34 #001H)

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

Shelly,

On behalf of ConocoPhillips, Tetra Tech is assisting with remediation of a previously reported legacy on-pad unplanned release with the NMOCD, that occurred on November 3, 2014.

The release occurred on a well pad and was wholly contained to the pad only.

Tetra Tech submitted a remediation work plan. NMOCD approved the work plan on January 23, 2024 (attached), with the following comments:

- Remediation plan approved. Wall confirmation samples adjacent to the "exclusion zone" on Figures 4 and 5 will need to be collected if those areas are left in place due to the inability to excavate due to buried pressurized lines or other equipment.
- Submit a complete closure report through the OCD Permitting website by 4/23/2024.

In order to complete the remediation and the submittal process we are requesting verbal approval to proceed with cleanup at the location listed below.

Please let me know if you require any other permitting or compliance items in addition to this email approval before we begin work.

**Name of Release: Stampede Federal WC Com 34 #001H Release**

**Unit Letter E, Section 34, Township 26 South, Range 31 East**

**Eddy County, New Mexico**

**Incident Identification (ID) NAB1431639646**

**Approximate Release Location: 32.000917°, -103.773324°**

**Date Release Discovered: November 3, 2014**

**Volume Released: Approximately 20 barrels (bbls) of slick water were released of which 19 bbls of slick water were recovered.**

**Remediation will be performed on pad**

Please let me know at your earliest convenience that we can proceed.

Thank you in advance.

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

**Tetra Tech** | *Leading with Science*® | OGA  
8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | [tetrattech.com](http://tetrattech.com)

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**Chavira, Lisbeth**

---

**From:** OCDOnline@state.nm.us  
**Sent:** Wednesday, March 6, 2024 2:49 PM  
**To:** Llull, Christian  
**Subject:** The Oil Conservation Division (OCD) has accepted the application, Application ID: 320878

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

To whom it may concern (c/o Christian Llull for CONOCOPHILLIPS COMPANY),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAB1431639646.

The sampling event is expected to take place:

**When:** 03/11/2024 @ 10:00

**Where:** E-34-26S-31E Lot: 4 250 FSL 380 FWL (32.0008698,-103.7733765)

**Additional Information:** Call Lisbeth at 512-596-8201

**Additional Instructions:** Approximate Release Point 32.000917°, -103.773324°

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

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

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

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

## Chavira, Lisbeth

---

**From:** OCDOnline@state.nm.us  
**Sent:** Tuesday, January 23, 2024 2:13 PM  
**To:** Llull, Christian  
**Subject:** The Oil Conservation Division (OCD) has approved the application, Application ID: 302199

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

To whom it may concern (c/o Christian Llull for CONOCOPHILLIPS COMPANY),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAB1431639646, with the following conditions:

- **Remediation plan approved. Wall confirmation samples adjacent to the "exclusion zone" on Figures 4 and 5 will need to be collected if those areas are left in place due to the inability to excavate due to buried pressurized lines or other equipment.**
- **Submit a complete closure report through the OCD Permitting website by 4/23/2024.**

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

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

Thank you,  
Brittany Hall  
Projects Environmental Specialist - A  
505-517-5333  
Brittany.Hall@emnrd.nm.gov

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

# **APPENDIX F**

## **Waste Manifests**



(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name Moises H. Cardo

Phone No. 432-658-6690

**GENERATOR**

NO. 320139

Operator No. \_\_\_\_\_  
Operators Name Caroco Phillips  
Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_  
Lease/Well Name & No. Stampede Fed W/C Com 34 #0014  
County \_\_\_\_\_  
API No. 30-01-42123  
Rig Name & No. \_\_\_\_\_  
AFE/PO No. \_\_\_\_\_

**EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)**

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	Washout Water (Non-Injectable)	<u>Dump truck</u>
Water Based Muds	Completion Fluid/Flow Back (Non-Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	
Tank Bottoms	INTERNAL USE ONLY	
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS:  DRILLING  COMPLETION  PRODUCTION  GATHERING LINES

**NON-EXEMPT E&P Waste/Service Identification and Amount**  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY \_\_\_\_\_ B-BARRELS \_\_\_\_\_ 14 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- MSDS Information
- RCRA Hazardous Waste Analysis
- Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

**TRANSPORTER**

Transporter's Name McNabb Partners  
Address 4008 N. Green #1770  
Phone No. \_\_\_\_\_

Driver's Name Manuel Lopez  
Phone No. \_\_\_\_\_  
Truck No. 1737  
WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 3/13/24

DRIVER'S SIGNATURE \_\_\_\_\_

**TRUCK TIME STAMP**

IN: 2:27 pm OUT: \_\_\_\_\_

**DISPOSAL FACILITY**

**RECEIVING AREA**

Name/No. 07

Site Name/ Permit No. Red Bluff Facility / STF-065  
Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50-micro roentgens? (Circle One) YES NO  
NORM (mR/hr) \_\_\_\_\_

**TANK BOTTOMS**

1st Gauge	Feet	Inches	BS&W Received	BS&W (%)
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? \_\_\_\_\_  
NAME (PRINT) M. Lopez DATE 3/13/24 TITLE Driver SIGNATURE \_\_\_\_\_



(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name 110-22-2-1-1-2

Phone No. 321-433-0000

**GENERATOR**

NO. 320139

Operator No. \_\_\_\_\_  
Operators Name Conoco Phillips  
Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_  
Lease/Well Name & No. Stampsde Field W/C Con. 3A #0014  
County \_\_\_\_\_  
API No. 30-01-43133  
Rig Name & No. \_\_\_\_\_  
AFE/PO No. \_\_\_\_\_

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____	NON-INJECTABLE WATERS Washout Water (Non-Injectable) _____ Completion Fluid/Flow Back (Non-Injectable) _____ Produced Water (Non-Injectable) _____ Gathering Line Water/Waste (Non-Injectable) _____	OTHER EXEMPT WASTES (type and generation process of the waste) <u>Dump truck</u>
Oil Based Cuttings _____		
Water Based Muds _____		
Water Based Cuttings _____		
Produced Formation Solids _____		
Tank Bottoms _____	INTERNAL USE ONLY Truck Washout (exempt waste) _____	
E&P Contaminated Soil _____		
Gas Plant Waste _____		

WASTE GENERATION PROCESS:  DRILLING  COMPLETION  PRODUCTION  GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 14 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- 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 by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
  - MSDS Information
  - RCRA Hazardous Waste Analysis
  - Other (Provide Description Below) \_\_\_\_\_

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

**TRANSPORTER**

Transporter's Name McNabb Brothers  
Address 403 W. Graves #1770  
Phone No. \_\_\_\_\_

Driver's Name Manuel Lopez  
Phone No. \_\_\_\_\_  
Truck No. 1037  
WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 3/12/24

DRIVER'S SIGNATURE \_\_\_\_\_

TRUCK TIME STAMP

IN: 2:27 pm OUT: \_\_\_\_\_

**DISPOSAL FACILITY**

RECEIVING AREA

Name/No. 1107

Site Name/Permit No. Red Bluff Facility / STF-065  
Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES  NO

If YES, was reading > 50 micro roentgens? (Circle One) YES  NO   
NORM (mR/hr) \_\_\_\_\_

**TANK BOTTOMS**

	Feet	Inches
1st Gauge	_____	_____
2nd Gauge	_____	_____
Received	_____	_____

BS&W Received	_____	BS&W (%)	_____
Free Water	_____		
Total Received	_____		

I hereby certify that the above load material has been (circle one): ACCEPTED  DENIED  If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_

DATE \_\_\_\_\_

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_



(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name Moises H

Phone No. 432-689-661

GENERATOR

NO. 320138

Operator No. \_\_\_\_\_  
Operators Name Conoro Phillips  
Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_  
Lease/Well Name & No. Stampede Fed VIC com 34-0011H  
County \_\_\_\_\_  
API No. 30-015-42123  
Rig Name & No. \_\_\_\_\_  
AFE/PO No. \_\_\_\_\_

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings _____	Washout Water (Non-Injectable) _____	<u>Dump truck</u>
Water Based Muds _____	Completion Fluid/Flow Back (Non-Injectable) _____	
Water Based Cuttings _____	Produced Water (Non-Injectable) _____	
Produced Formation Solids _____	Gathering Line Water/Waste (Non-Injectable) _____	
Tank Bottoms _____	INTERNAL USE ONLY	
E&P Contaminated Soil _____	Truck Washout (exempt waste) _____	
Gas Plant Waste _____		

WASTE GENERATION PROCESS:  DRILLING  COMPLETION  PRODUCTION  GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY \_\_\_\_\_ B-BARRELS 14 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

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  - MSDS Information
  - RCRA Hazardous Waste Analysis
  - Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

TRANSPORTER

Transporter's Name McNabb Partners  
Address 4008 N. Garretts #1750  
11065 NW 98740  
Phone No. \_\_\_\_\_

Driver's Name Manuel Lopez  
Phone No. \_\_\_\_\_  
Truck No. 1737  
WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 3/13/24

DRIVER'S SIGNATURE \_\_\_\_\_

TRUCK TIME STAMP

IN: 11:36 OUT: \_\_\_\_\_

DISPOSAL FACILITY

RECEIVING AREA

Name/No. D7

Site Name/Permit No. Red Bluff Facility / STF-065  
Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES  NO

If YES, was reading > 50 micro roentgens? (Circle One) YES  NO   
NORM (mR/hr) \_\_\_\_\_

TANK BOTTOMS

	Feet	Inches	BS&W Received	BS&W (%)
1st Gauge				
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) In Steph

DATE 3-13-24

TITLE POA/R

SIGNATURE Manuel Lopez



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name Mois-H

Phone No. 432-687-1111

GENERATOR

NO. 320138

Operator No. \_\_\_\_\_  
Operators Name Carole Phillips  
Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_  
Lease/Well Name & No. Stamaco Fed VAC com 39-0011  
County \_\_\_\_\_  
API No. 30-015-42173  
Rig Name & No. \_\_\_\_\_  
AFE/PO No. \_\_\_\_\_

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings	_____		
Water Based Muds	_____	Washout Water (Non-Injectable)	_____
Water Based Cuttings	_____	Completion Fluid/Flow Back (Non-Injectable)	_____
Produced Formation Solids	_____	Produced Water (Non-Injectable)	_____
Tank Bottoms	_____	Gathering Line Water/Waste (Non-Injectable)	_____
E&P Contaminated Soil	_____	INTERNAL USE ONLY	
Gas Plant Waste	_____	Truck Washout (exempt waste)	_____

Dump truck

WASTE GENERATION PROCESS:  DRILLING  COMPLETION  PRODUCTION  GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY \_\_\_\_\_ B-BARRELS 14 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- MSDS Information  RCRA Hazardous Waste Analysis  Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

TRANSPORTER

Transporter's Name McClubb Peders  
Address 4001 W. 130th St #200  
McClubb, MN 55340  
Phone No. \_\_\_\_\_

Driver's Name Manuel Lopez  
Phone No. \_\_\_\_\_  
Truck No. 1137  
WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 3/13/24

DRIVER'S SIGNATURE \_\_\_\_\_

TRUCK TIME STAMP

IN: 11:36 OUT: \_\_\_\_\_

DISPOSAL FACILITY

RECEIVING AREA

Name/No. D7

Site Name/Permit No. Red Bluff Facility / STF-065  
Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES  NO

If YES, was reading > 50 micro roentgens? (Circle One) YES  NO   
NORM (mR/hr) \_\_\_\_\_

TANK BOTTOMS

	Feet	Inches
1st Gauge	_____	_____
2nd Gauge	_____	_____
Received	_____	_____

BS&W Received	_____	BS&W (%)	_____
Free Water	_____		
Total Received	_____		

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) M Steph

DATE 3/13/24

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 332930

**QUESTIONS**

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 332930
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAB1431639646
Incident Name	NAB1431639646 STAMPEDE FEDERAL WC COM 34 #001H @ 30-015-42123
Incident Type	Other
Incident Status	Reclamation Report Received
Incident Well	[30-015-42123] STAMPEDE FEDERAL WC COM 34 #001H

**Location of Release Source**

Please answer all the questions in this group.

Site Name	STAMPEDE FEDERAL WC COM 34 #001H
Date Release Discovered	11/03/2014
Surface Owner	Federal

**Incident Details**

Please answer all the questions in this group.

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

**Nature and Volume of Release**

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Equipment Failure   Coupling   Crude Oil   Released: 0 BBL   Recovered: 0 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Coupling   Produced Water   Released: 20 BBL   Recovered: 19 BBL   Lost: 1 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Equipment Failure   Pump   Other (Specify)   Released: 20 BBL   Recovered: 19 BBL   Lost: 1 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

**District I**  
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 Phone:(575) 748-1283 Fax:(575) 748-9720  
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 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 2

Action 332930

**QUESTIONS (continued)**

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 332930
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

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

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: Christian LLuLL Title: Project Manager Email: christian.llull@tetratech.com Date: 04/12/2024
----------------------------------------------------	-------------------------------------------------------------------------------------------------------------

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

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

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

**District IV**  
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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**

QUESTIONS, Page 3

Action 332930

**QUESTIONS (continued)**

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 332930
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

**Site Characterization**  
*Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1/2 and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	960
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	03/10/2024
On what date will (or did) the final sampling or liner inspection occur	03/11/2024
On what date will (or was) the remediation complete(d)	03/13/2024
What is the estimated surface area (in square feet) that will be reclaimed	252
What is the estimated volume (in cubic yards) that will be reclaimed	30
What is the estimated surface area (in square feet) that will be remediated	252
What is the estimated volume (in cubic yards) that will be remediated	30

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

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

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 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
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 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
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 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
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 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**

QUESTIONS, Page 4

Action 332930

**QUESTIONS (continued)**

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 332930
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

**Remediation Plan (continued)**

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

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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

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

I hereby agree and sign off to the above statement	Name: Christian LLuLL Title: Project Manager Email: christian.llull@tetrattech.com Date: 04/12/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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Action 332930

**QUESTIONS (continued)**

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 332930
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

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

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Action 332930

**QUESTIONS (continued)**

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 332930
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>320878</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>03/11/2024</b>
What was the (estimated) number of samples that were to be gathered	<b>5</b>
What was the sampling surface area in square feet	<b>254</b>

**Remediation Closure Request**

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

Requesting a remediation closure approval with this submission	<b>Yes</b>
Have the lateral and vertical extents of contamination been fully delineated	<b>Yes</b>
Was this release entirely contained within a lined containment area	<b>No</b>
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	<b>Yes</b>
What was the total surface area (in square feet) remediated	<b>254</b>
What was the total volume (cubic yards) remediated	<b>28</b>
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	<b>Yes</b>
What was the total surface area (in square feet) reclaimed	<b>254</b>
What was the total volume (in cubic yards) reclaimed	<b>28</b>
Summarize any additional remediation activities not included by answers (above)	<b>NA</b>

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

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

I hereby agree and sign off to the above statement	Name: Christian LLuLL Title: Project Manager Email: christian.llull@tetrattech.com Date: 04/12/2024
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Action 332930

**QUESTIONS (continued)**

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 332930
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Reclamation Report</b>	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	254
What was the total volume of replacement material (in cubic yards) for this site	28
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	04/25/2025
Summarize any additional reclamation activities not included by answers (above)	In accordance with 19.15.29.13 NMAC, all areas disturbed by the remediation have been reclaimed. Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Cardinal. The soil samples were analyzed for TPH (GRO+DRO+MRO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chlorides by SM4500Cl-B. The analytical results were directly compared to the reclamation requirements and established Site RRALS to demonstrate compliance. Once acceptable confirmation sample results were received, the excavation was backfilled with clean material to pre-release grade. All final confirmation soil samples (floor and sidewall) were below applicable cleanup levels for chloride, TPH, and BTEX. In accordance with 19.15.29.12 NMAC, the reclaimed area contains a minimum non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by SM4500Cl-B. One (1) representative 5-point composite sample was previously collected from the backfill material used at the Stampede remediation (collected for the reclamation of the James A Com #001 Tank Release nAB1722132401, and the closure for this incident was approved on March 8, 2024). Backfilled areas were restored to the original condition or the final land use. As the release footprint was within an active pad, the release was not seeded. Seeding will occur when the well is plugged and the pad area is no longer needed for production operations.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Christian LLuLL Title: Project Manager Email: christian.llull@tetratex.com Date: 04/12/2024

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Action 332930

**QUESTIONS (continued)**

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	Action Number: 332930
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

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

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CONDITIONS  
 Action 332930

**CONDITIONS**

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 332930
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**CONDITIONS**

Created By	Condition	Condition Date
bhall	Reclamation report approved. The site will need to be revegetated in the next favorable growing season after the site is no longer reasonably needed for production or drilling activities.	4/15/2024
bhall	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	4/15/2024
bhall	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeded activities, inspections, and final pictures when revegetation is achieved.	4/15/2024
bhall	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	4/15/2024