



July 26, 2024

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

**Re: Closure Report
ConocoPhillips (Heritage COG Production, LLC)
ConocoPhillips Company
Windward Federal # 003H
Unit Letter C, Section 30, Township 24 South, Range 32 East
Lea County, New Mexico
Incident ID# NAPP2331054136**

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (ConocoPhillips) to assess a release from a flowline associated with the Windward Federal # 003H (API No. 30-025-41413). The release footprint is located in Public Land Survey System (PLSS) Unit Letter C, Section 30, Township 24 South, and Range 32 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.194425°, -103.716595°, as shown on Figures 1 and 2.

BACKGROUND

According to the C-141 Initial Report, the release was discovered on October 24, 2023, and was caused by a hole in the flowline due to corrosion. Approximately 0.1336 barrels (bbls) of crude oil and 0.3118 bbls of produced water were reported released and no fluid was recovered. The release was off pad. The NMOCD approved the initial C-141 on November 6, 2023, and subsequently assigned the release the Incident ID NAPP2331054136. The initial C-141 form is included in Appendix A.

LAND OWNERSHIP

According to the NMOCD Oil and Gas Map, the Site is located on land owned by the Bureau of Land Management (BLM). The BLM cleared the Site for remediation activities in verbal correspondence.

SITE CHARACTERIZATION

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

According to the New Mexico Office of the State Engineer (NMOSE) reporting system, there is one well within a ½-mile (800-meter) radius of the Site, located approximately 0.24 miles (388 meters) east of the release point. This well has a total depth of 120 feet below ground surface (bgs) with no groundwater encountered. The nearest NMOSE-registered well with depth-to-water data is located (2,276 meters) from the Site and has a depth to water of 135 feet bgs. The site characterization data is included 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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ConocoPhillips

REGULATORY FRAMEWORK

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

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

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

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

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

SITE ASSESSMENT

On December 6, 2023, Tetra Tech was onsite to conduct assessment activities on behalf of ConocoPhillips. Assessment activities included installing three (3) hand auger borings (AH-1 through AH-3) in the release area to a total depth ranging from 2-3.5 feet bgs. Auger refusal was met at roughly between 2 and 3.5 feet bgs. Four (4) hand auger borings (AH-4 through AH-7) were installed along the perimeter of the release extent to 1-foot bgs.

Due to the dense subsurface lithology (cemented layers) beneath the footprint, vertical delineation was not achieved with the hand auger borings. Tetra Tech remobilized to the site on January 15, 2024, and installed two (2) trenches (T-1 and T-2) using a backhoe to evaluate the vertical extents of the release footprint. Trench T-1 was installed to 8 feet bgs and T-2 was installed to 6 feet bgs. An additional hand auger boring (AH-8) was installed to the east of the release to 1-foot bgs to complete horizontal delineation of the release. Assessment sampling locations are presented in Figure 3.

A total of twenty-two (22) soil samples were submitted to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico to be analyzed for chloride via Standard Method 4500Cl-B, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. The laboratory analytical results from the December 2023 and January 2024 assessment sampling activities are summarized in Table 1. Analytical results associated with surface soil intervals (0-4 feet bgs) at AH-1, T-1, AH-2, T-2, AH-3, and AH-7 exceeded the reclamation limit for TPH (100 mg/kg). Surface soil intervals at AH-1 and T-1 also exceeded the reclamation limit for chloride (600 mg/kg). Analytical results associated with subsurface soil intervals (greater than 4 feet bgs) exceeded the Site RRAL for Total TPH (2,500 mg/kg) as well as GRO+DRO (1,000 mg/kg) to a depth of 8 feet bgs.

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REMEDATION WORK PLAN APPROVAL

A Release Characterization and Remediation Work Plan (Work Plan) dated March 1, 2024, was prepared and submitted to the NMOCD fee portal. The Work Plan was approved by NMOCD on March 7, 2024, with the following comments:

- *The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC.*
- *Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release.*
- *Confirmation samples should be collected every 200 ft². All off pad areas must meet reclamation standards set forth in the OCD Spill Rule.*
- *The work will need to occur in 90 days after the work plan has been reviewed.*

A copy of the NMOCD approval is include in Appendix C. An extension request for this incident was submitted to the NMOCD and approved on June 6, 2024, for a due date of September 3, 2024. Regulatory correspondence is included in Appendix C. The approved Work Plan was submitted to Shelly Taylor of the BLM via email.

REMEDATION ACTIVITIES AND CONFIRMATION SAMPLING

From June 24 - 27, 2024, Tetra Tech personnel were onsite to supervise remedial activities at the Site, including excavation, disposal, and confirmation sampling. In accordance with Subsection D of 19.15.29.12 NMAC, the NMOCD was notified prior to confirmation sampling. However, on June 20, 2024, the OCD permitting website was not available to the public. Christian Llull of Tetra Tech submitted a sampling notice via email indicating confirmation samples would be collected at the Site on June 24-27, 2024. This notification was received by Shelly Wells via email on June 11, 2024. Per NMOCD instructions, once the portal was functioning confirmation sampling notice was submitted via the OCD portal on June 24, 2024. Documentation of associated regulatory correspondence is included in Appendix C.

The extent of impacted soils was confirmed with field soil screening data and excavated to depths ranging from 1.5 ft to 10 feet below surrounding grade within the release extent. Based on OSHA regulations, benching protection systems were utilized near the release point as it was greater than 5 feet in depth. The sides of the excavation were benched to form a series of horizontal levels, with near-vertical surfaces between levels. The release area footprint around AH-1 was remediated via a benched excavation to a total depth of 10 feet bgs. To verify the removal of impacts, a floor confirmation sample (FS-1) was collected from the base of the excavation in this area, also confirming vertical delineation. Photographs from the excavated areas prior to backfill are provided in Appendix D.

All of the excavated material was transported offsite for proper disposal. Approximately one hundred and thirty-two (132) cubic yards of material were transported to the Northern Delaware Basin Landfill facility in Jal, New Mexico. Copies of the waste manifest documents are included in Appendix E.

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 200 square feet of excavated area. A total of three (3) floor sample locations and four (4) sidewall sample locations were used during the remedial activities. Confirmation sidewall sample locations were labeled with "SW"-#, confirmation floor sample locations were labeled with "FS"-#. Final analytical results for all confirmation soil samples (floor and sidewall) were below the applicable Site RRALs and reclamation limits for chloride, BTEX, and TPH. The results of the June 2024 confirmation sampling events are summarized in Table 2. Laboratory analytical data is included in Appendix F. Excavated areas, depths and confirmation sample locations are shown in Figure 4.

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RECLAMATION ACTIVITIES

Based on 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. 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. The confirmation sampling results are summarized in Table 2.

Once acceptable confirmation sample results were received, the excavation was backfilled with clean material to pre-release grade. In accordance with 19.15.29.12 NMAC, the reclaimed area contained a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by SM4500Cl-B. The soil cover included a top layer consisting of one foot of suitable material to establish vegetation at the site. The backfilled areas in the pasture were seeded following backfilling, to aid in revegetation. Based on the soils of the site, the BLM #2 seed mix was used for seeding and was planted in the amount specified in the pounds pure live seed (PLS) per acre. One (1) representative 5-point composite sample was collected from the backfill material used for the reclamation of the project site. Soil backfill composite sampling results are summarized in Table 3. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix F.

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

CONCLUSION

Based on the results of the remedial activities and confirmation sampling, ConocoPhillips respectfully requests closure of the incident. Analytical results associated with the sampling events were below applicable Site RRALs following all remedial response actions; therefore, remediation of the release footprint is complete. The impacted surface area was remediated to meet the standards of Table I of 19.15.29.12 NMAC.

This final closure report details the release characterization, remediation activities and the results of the confirmation sampling. The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the remedial activities for the Site, please call me at (512) 596-8201.

Sincerely,

Tetra Tech, Inc.



Lisbeth Chavira
Geoscientist



Christian M. Llull, P.G.
Program Manager

cc:
Mr. Jacob Laird, GPBU – ConocoPhillips

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ConocoPhillips

LIST OF ATTACHMENTS

Figures:

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Site Assessment Map
- Figure 4 – Release Remediation and Confirmation Sampling Map

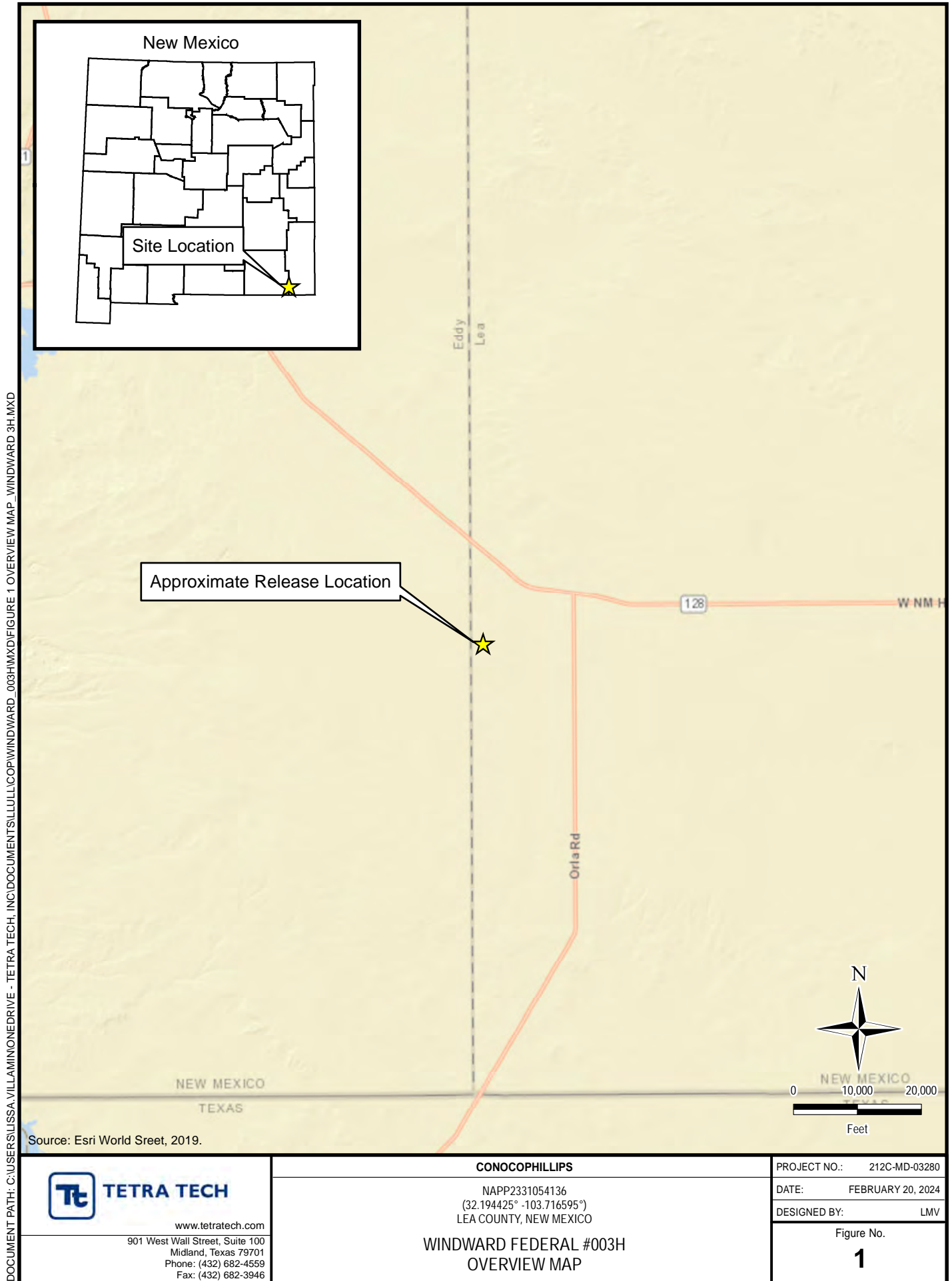
Tables:

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

Appendices:

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

FIGURES



DOCUMENT PATH: C:\USERS\LISSA.VILLAMONEDRIVE - TETRA TECH, INC\DOCUMENTS\ILLUSTRATIONS\WINDWARD_003H\MXD\FIGURE 2 TOPO MAP_WINDWARD 3H.MXD

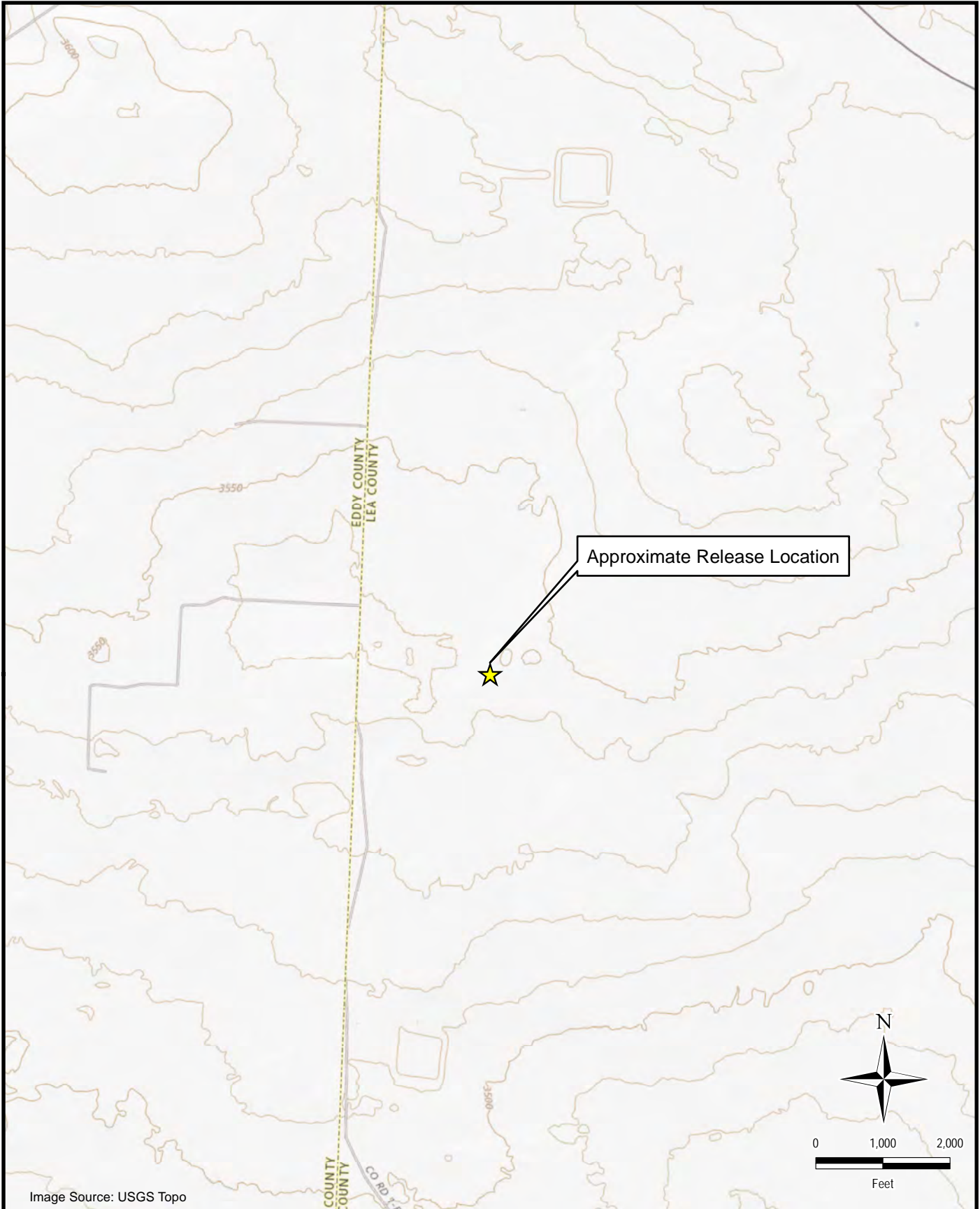


Image Source: USGS Topo



TETRA TECH

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CONOCOPHILLIPS

NAPP2331054136
(32.194425° -103.716595°)
LEA COUNTY, NEW MEXICO

**WINDWARD FEDERAL #003H
TOPOGRAPHIC MAP**

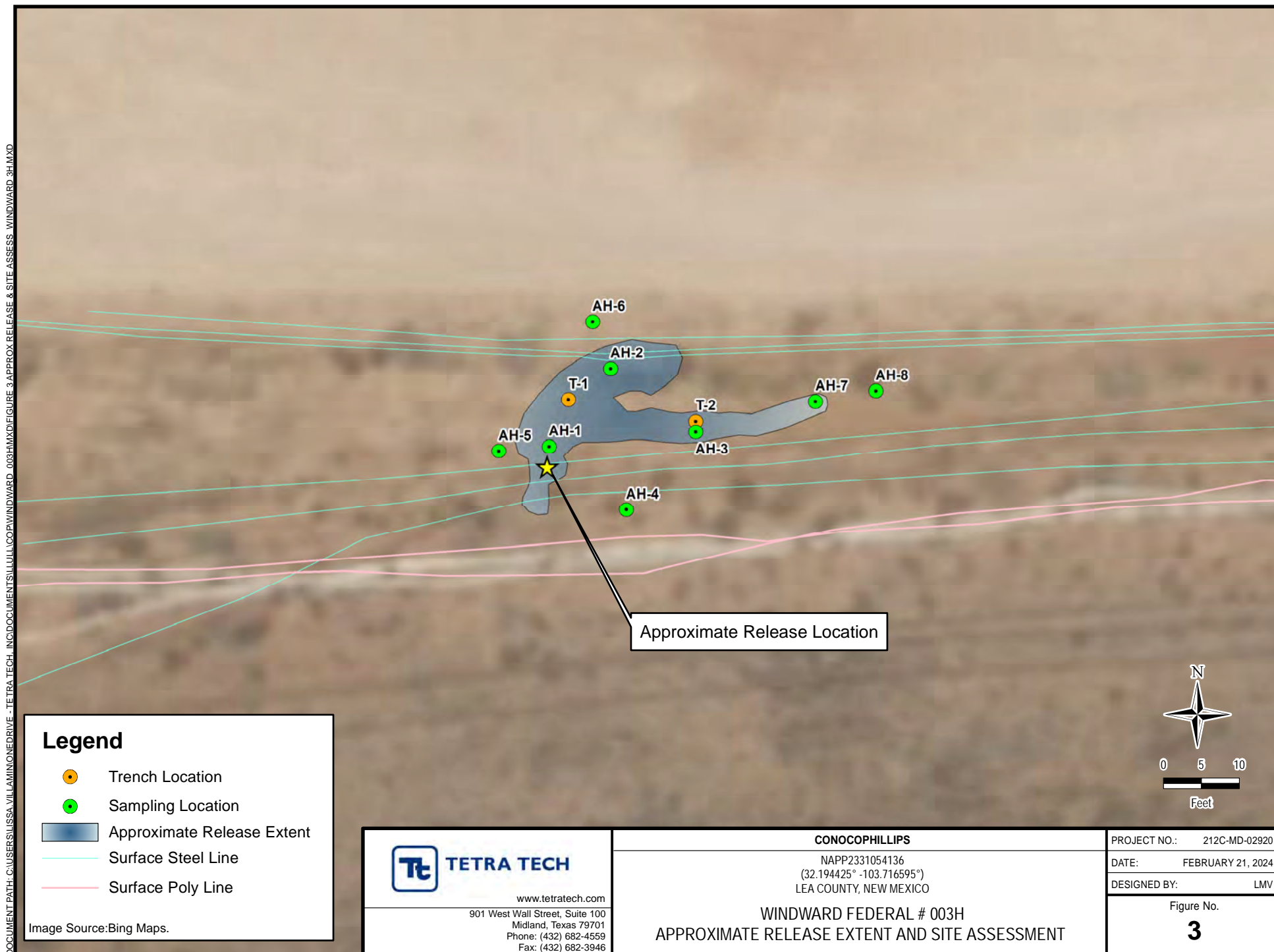
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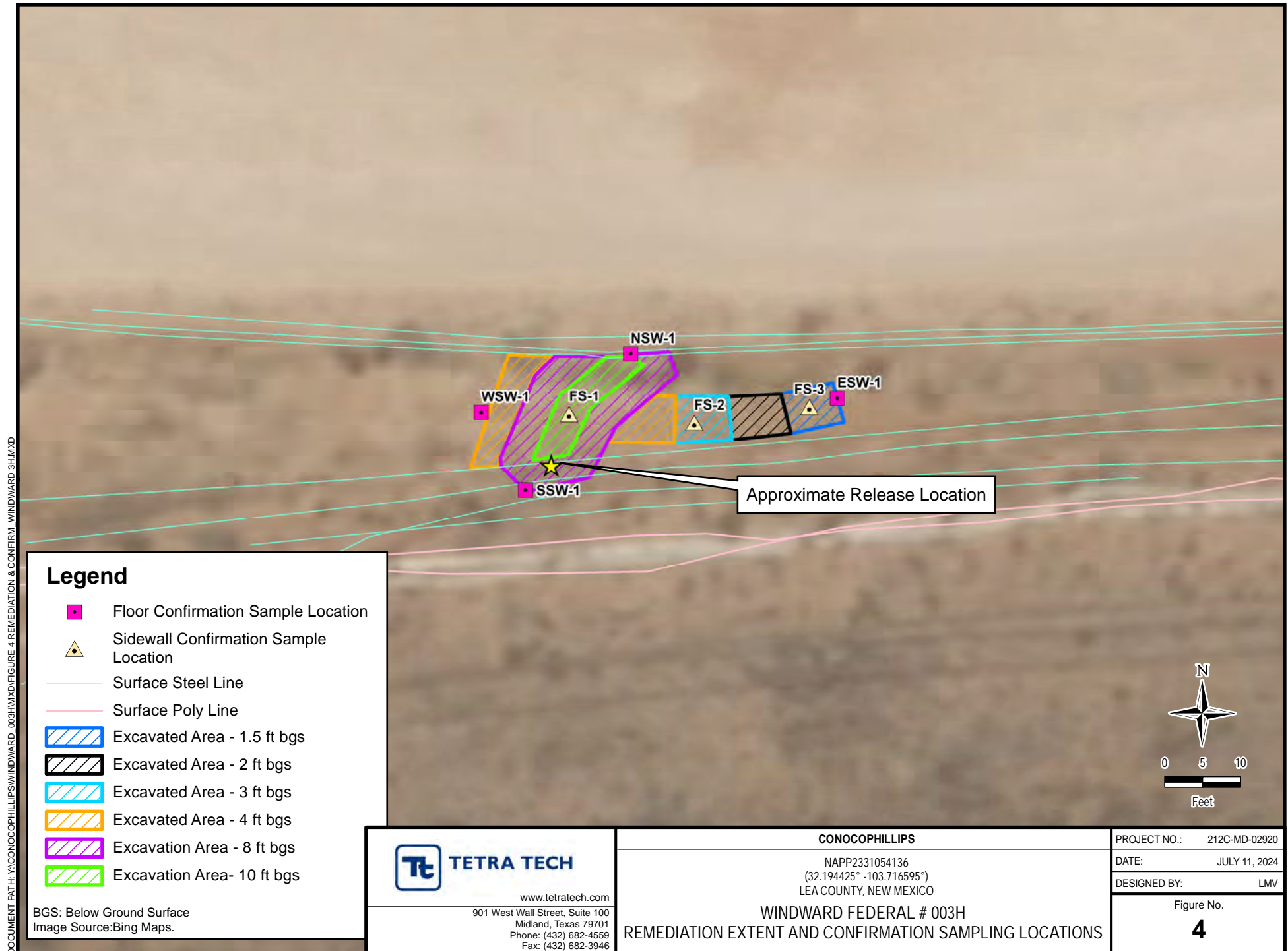
DATE: FEBRUARY 20, 2024

DESIGNED BY: LMV

Figure No.

2





TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
2023 AND 2024 SOIL ASSESSMENT- NAPP2331054136
CONOCOPHILLIPS
WINDWARD FEDERAL 3H RELEASE
LEA COUNTY, NM

19.15.29.12 NMAC Closure Criteria for Soils Impacted by a Release (> 100 ft):				Chlorides ¹		BTEX ²										TPH ³							
				< 20,000 mg/kg		< 10 mg/kg		Toluene		Ethylbenzene		Total Xylenes		< 50 mg/kg		GRO		DRO		EXT DRO		< 2,500 mg/kg	
Sample ID	Sample Date	Sample Depth Interval	Field Screening Results	Chloride		Benzene								Total BTEX								C ₆ - C ₁₀	
			Chlorides													mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q
AH-1	12/6/2023	0-1	-	944		12.4		49.9		9.36		70.4		142		3,720		20,000		3,450		27,170	23,720
		2-3	-	992		43.2		138		31.4		178		390		7,440		13,100		2,210		22,750	20,540
		3-3.5	-	640		52.5		135		29.3		128		344		6,810		12,200		1,900		20,910	19,010
T-1	1/15/2024	0-1		480		30.4		120		32.8		197		380		7,850		12,300		1,830		21,980	20,150
		2-3		624		14.8		58.3		16.0		90.0		179		3,300		5,640		943		9,883	8,940
		3-4		304		44.9		132		30.7		141		348		7,420		12,800		2,090		22,310	20,220
		5-6		240		10.6		64.2		17.0		95.0		187		1,750		3,280		556		5,586	5,030
		7-8		112		0.249		3.30		1.58		8.10		13.2		209		994		192		1,395	1,203
AH-2	12/6/2023	0-1	-	64.0		8.35		57.6		20.6		128		215		4,540		17,700		2,680		24,920	22,240
		1-2	-	32.0		54.3		206		46.1		279		585		10,900		15,400		2,400		28,700	26,300
T-2	1/15/2024	0-1	-	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		2-3		64.0		<0.050		0.084		0.102		0.858		1.04		108		768		121		997	876
		3-4		64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		5-6		32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		30.3		30.3		30.3	30.3
AH-3	12/6/2023	0-1	-	32.0		7.87		151		49.3		351		560		5,970		19,100		3,000		28,070	25,070
		1-2	-	80.0		<0.050		1.10		0.731		6.50		8.33		163		1,310		221		1,694	1,473
		2-2.5	-	32.0		<0.050		0.324		0.257		2.38		2.96		68.3		1,010		183		1,261	1,078
AH-4	12/6/2023	0-1	42.1	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
AH-5	12/6/2023	0-1	36	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
AH-6	12/6/2023	0-1	110	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		21.0		<10.0		21.0	21.0
AH-7	12/6/2023	0-1	44.5	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		92		30.7		122.7	92.0
AH-8	1/15/2024	0-1		16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

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

Shaded rows indicate intervals proposed for excavation.

QUALIFIERS:

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
2024 SOIL CONFIRMATION SAMPLING - NAPP2331054136
CONOCOPHILLIPS
WINDWARD FEDERAL 3H RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride ¹		BTEX ²										TPH ³							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
															C ₆ - C ₁₀		> C ₁₀ - C ₂₈		> C ₂₈ - C ₃₆			
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
FS-1	6/25/2024	10	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-2	6/25/2024	3	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
FS-3	6/25/2024	1.5	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
NSW-1	6/25/2024	-	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
ESW-1	6/25/2024	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SSW-1	6/25/2024	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
WSW-1	6/25/2024	-	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

Bold and italicized values indicate exceedance of Site RRALs approved by the NMOCD.

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

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

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

APPENDIX A C-141 Forms

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	NAPP2331054136
District RP	
Facility ID	fAPP2132638253
Application ID	

Release Notification

Responsible Party

Responsible Party	COG Operating, LLC.	OGRID	229137
Contact Name	Jacob Laird	Contact Telephone	(575) 703-5482
Contact email	Jacob.Laird@ConocoPhillips.com	Incident # (assigned by OCD)	NAPP2331054136
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701		

Location of Release Source

Latitude 32.1944 Longitude -103.7163
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Windward Federal 003H	Site Type	Flowline
Date Release Discovered	October 24, 2023	API# (if applicable)	

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

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

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 0.1336	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 0.3118	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release


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

Incident ID	NAPP2331054136
District RP	
Facility ID	fAPP2132638253
Application ID	

<p>Was this a major release as defined by 19.15.29.7(A) NMAC?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>If YES, for what reason(s) does the responsible party consider this a major release?</p>
<p>If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?</p>	

Initial Response

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

<input type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name Brittany N. Esparza Signature:  email: Brittany.Esparza@ConocoPhillips.com	Title: Environmental Technician Date: 11/6/2023 Telephone: (432) 221-0398
<u>OCD Only</u>	
Received by: Shelly Wells	
Date: 11/6/2023	

Spill Calculation - On-Pad Surface Pool Spill											
Convert Irregular shape into a series of rectangles		Length (ft.)	Width (ft.)	Average Depth (in.)	Estimated <u>Pool</u> Area (sq. ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture (%)	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	12	6	0.3	72.00	0.27	0.00	0.27	30%	0.08	0.19	
Rectangle B	4	6	0.3	24.00	0.09	0.00	0.09		0.03	0.06	
Rectangle C	4	6	0.3	24.00	0.09	0.00	0.09		0.03	0.06	
Rectangle D				0.00	0.00	0.00	0.00		0.00	0.00	
Rectangle E				0.00	0.00	0.00	0.00		0.00	0.00	
Rectangle F				0.00	0.00	0.00	0.00		0.00	0.00	
Rectangle G				0.00	0.00	0.00	0.00		0.00	0.00	
Rectangle H				0.00	0.00	0.00	0.00		0.00	0.00	
Rectangle I				0.00	0.00	0.00	0.00		0.00	0.00	
Rectangle J				0.00	0.00	0.00	0.00		0.00	0.00	
Total Surface Pool Volume Released, Release to Soil/Caliche:							0.4455		0.1336	0.3118	

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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

CONDITIONS

Action 283175

CONDITIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 283175
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	11/6/2023

Incident ID	
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?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input 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 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 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 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 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 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 type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
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: _____ Title: _____

Signature: Jacob Laird Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
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.

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Printed Name: _____ Title: _____

Signature: Jacob Laird Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature: Scott Rodgers Date: 03/07/2024

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: Jacob Laird 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



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
C 04665	CUB	LE		1	1	2	30	24S	32E	621350	3562798	388	120		
C 04654 POD1	CUB	ED		3	3	4	25	24S	31E	619764	3561226	1911	55		
C 04636 POD1	CUB	ED		3	4	3	25	24S	31E	619200	3561279	2276			
C 04643 POD1	C	ED		4	2	2	05	23S	27E	619200	3561279	2276	305	135	170

Average Depth to Water: **135 feet**

Minimum Depth: **135 feet**

Maximum Depth: **135 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 620972.37

Northing (Y): 3562708.51

Radius: 2600

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.

11/7/23 9:27 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Released to Imaging: 8/22/2024 3:00:13 PM

National Flood Hazard Layer FIRMette



103°43'18"W 32°11'55"N



1:6,000

103°42'41"W 32°11'25"N

Released to Imaging: 8/22/2024 3:00:13 PM

Basemap Imagery Source: USGS National Map 2023

Legend

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

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



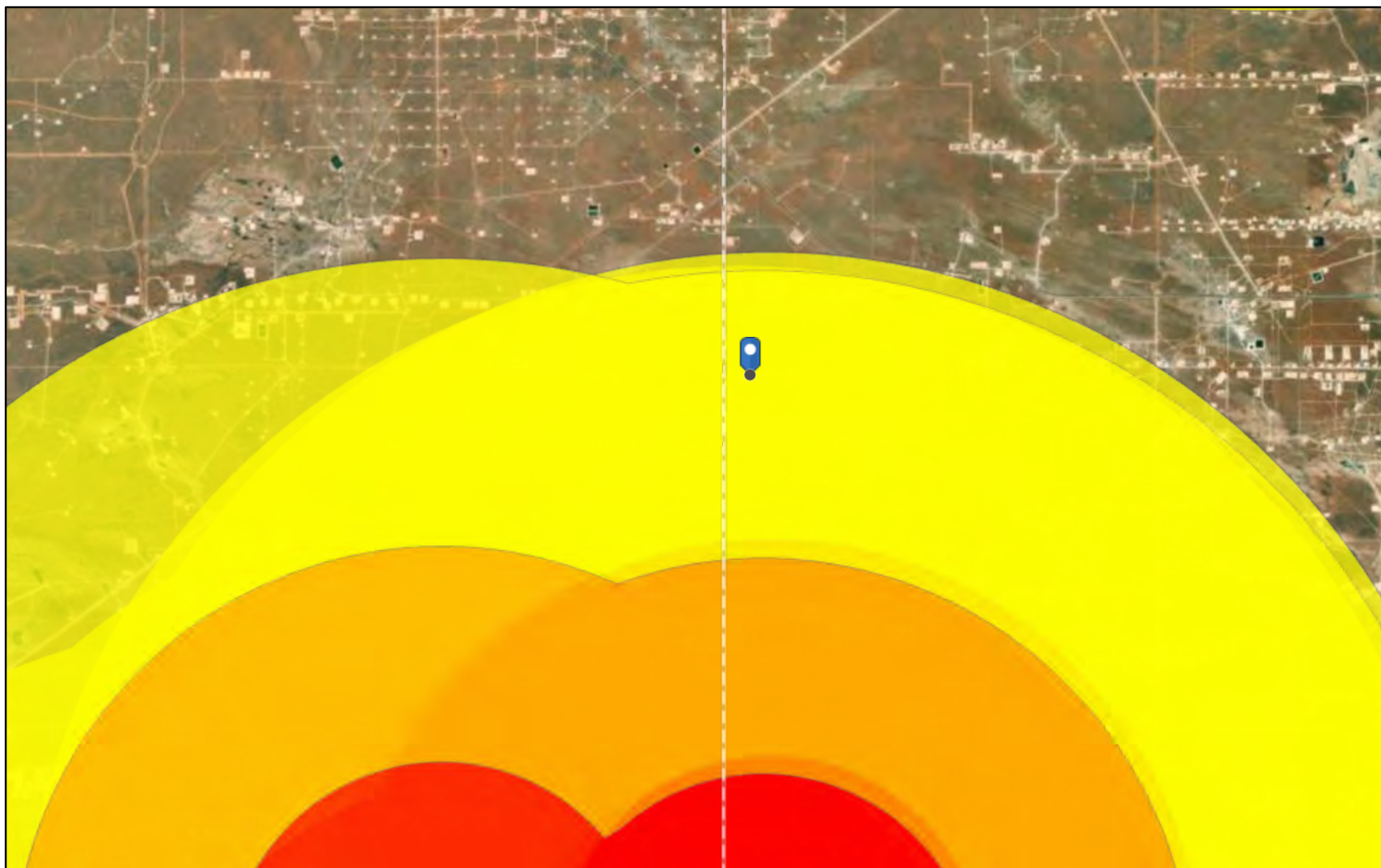
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 **11/7/2023 at 10:40 AM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

OCD Induced Seismicity Area



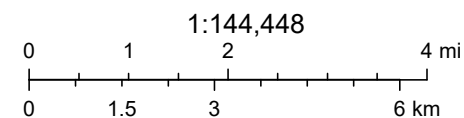
2/20/2024, 2:56:18 PM

Seismic Response 3.5 and above Seismic Response 2.5 to 2.9 Seismic Response 3.0 to 3.4

3 mi.
6 mi.
10 mi.

3 mi.
6 mi.
10 mi.

3 mi.
6 mi.
10 mi.

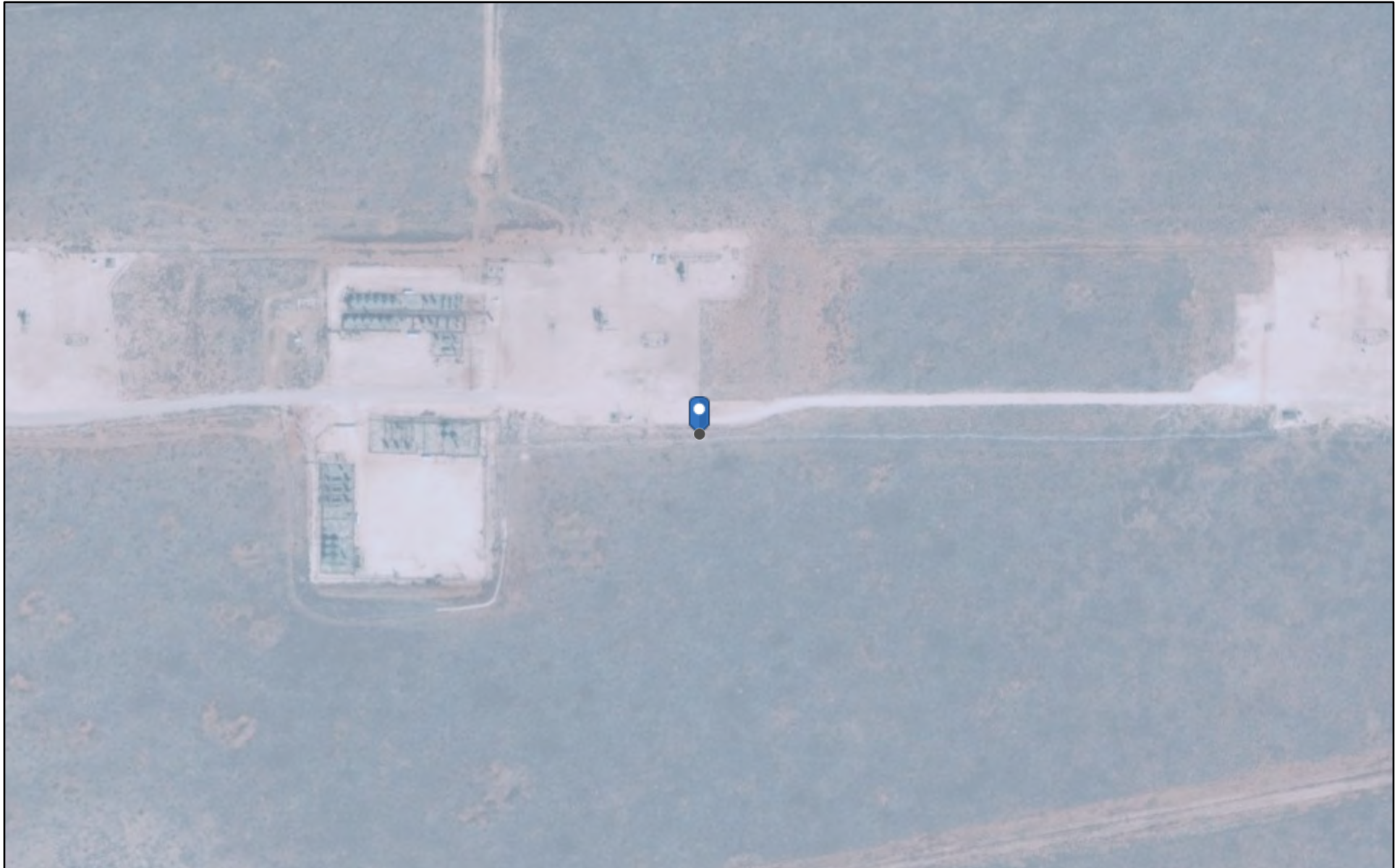


Oil Conservation Division (OCD), Energy, Minerals and Natural Resources Department (EMNRD), Esri, HERE, Garmin, Earthstar Geographics

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. <http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75>: New Mexico Oil Conservation Division

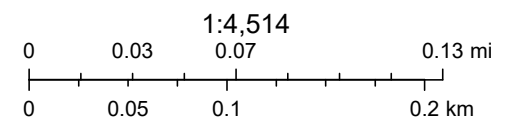
OCD Karst Areas



11/7/2023, 10:07:36 AM

Karst Occurrence Potential

 Low



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

OCD Land Ownership



11/7/2023, 9:47:02 AM

Mineral Ownership

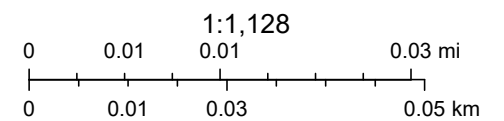
Land Ownership



A-All minerals are owned by U.S.



BLM



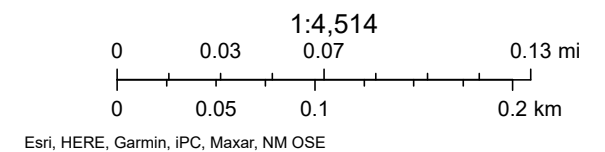
U.S. BLM, Maxar, Microsoft, Esri, HERE, Garmin, iPC

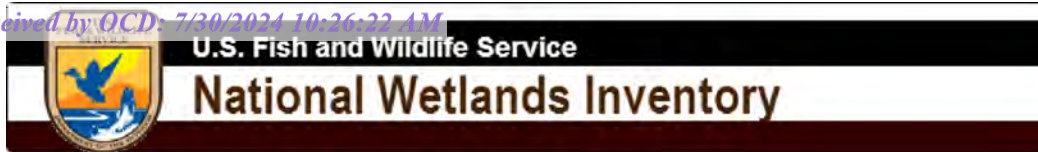
New Mexico Oil Conservation Division

OCD Waterbodies

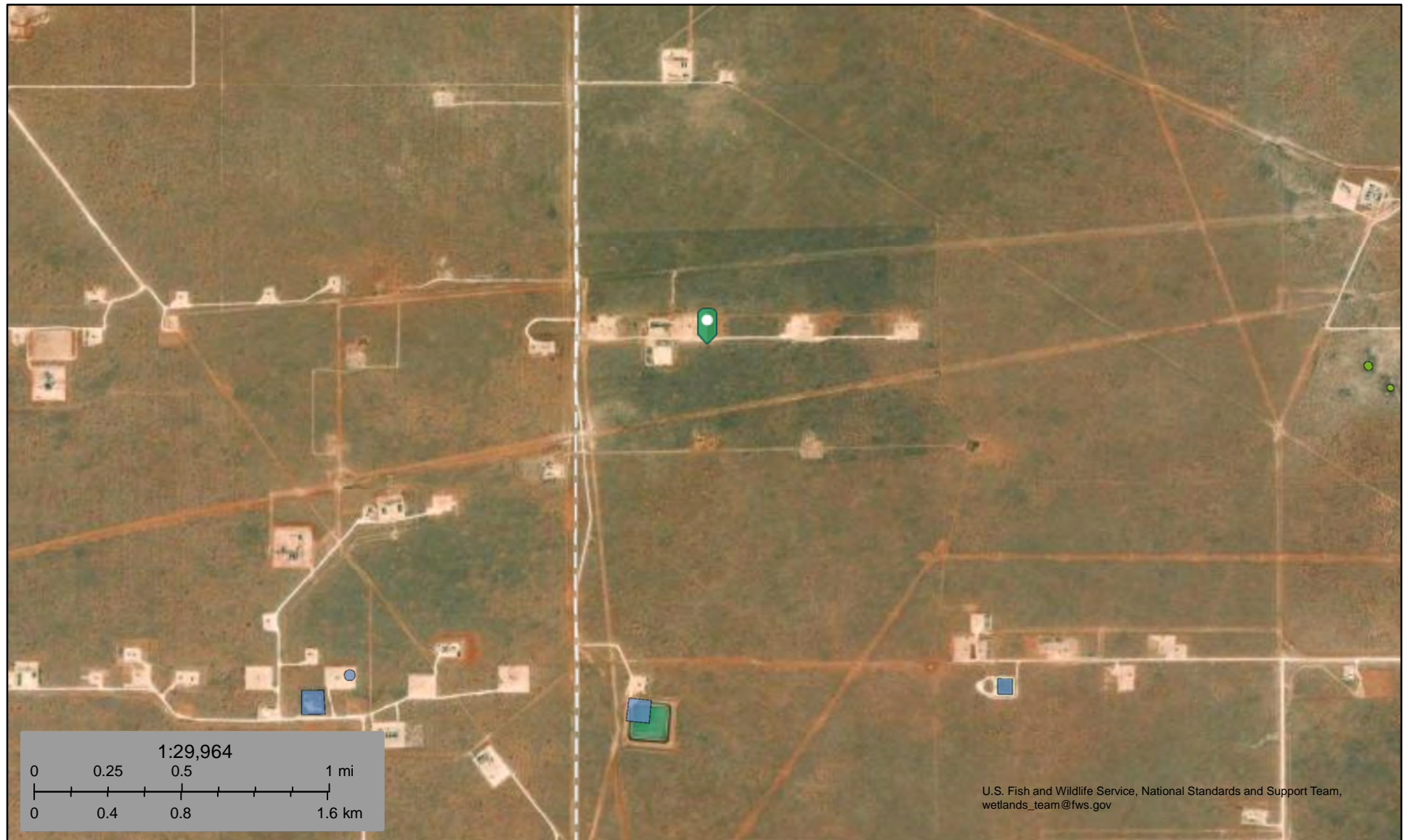


11/7/2023, 9:52:51 AM










National Wetlands Inventory



February 20, 2024

Wetlands

-  Estuarine and Marine Deepwater
-  Estuarine and Marine Wetland

-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond

-  Lake
-  Other
-  Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

APPENDIX C

Regulatory Correspondence

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 356833

QUESTIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 356833
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2331054136
Incident Name	NAPP2331054136 WINDWARD FEDERAL 003H @ 0
Incident Type	Release Other
Incident Status	Remediation Plan Approved
Incident Facility	[fAPP2132638253] WINDWARD FED 2H - BATTERY

Location of Release Source	
Site Name	WINDWARD FEDERAL 003H
Date Release Discovered	10/24/2023
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	405
What is the estimated number of samples that will be gathered	7
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/25/2024
Time sampling will commence	10:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Please call Lisbeth Chavira at Mobile +1 (512) 596-8201 NOTE: INITIAL NOTICE WITHIN THE 48 H PERIOD WAS NOT FEASIBLE AS THE OCD PERMITTING WEBSITE WAS WORKING INTERMITTENTLY. DOCUMENTED WITH SHELLY WELLS Fri 6/21/2024 10:13 AM: Yes, the OCD permitting website has been working intermittently on our side as well. As such I was able to add notes under the Incident Events pertaining to your sampling event. Please submit C-141Ns for each of the requested dates at a later time.
Please provide any information necessary for navigation to sampling site	Approximate Release Point: 32.194425° -103.716595°

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

CONDITIONS

Action 356833

CONDITIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 356833
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
cilull	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.	6/24/2024

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

QUESTIONS

Action 321116

QUESTIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 321116
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2331054136
Incident Name	NAPP2331054136 WINDWARD FEDERAL 003H @ 0
Incident Type	Release Other
Incident Status	Remediation Plan Received
Incident Facility	[fAPP2132638253] WINDWARD FED 2H - BATTERY

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	WINDWARD FEDERAL 003H
Date Release Discovered	10/24/2023
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Release 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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Corrosion Flow Line - Production Crude Oil Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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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 321116

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID:
	217955
	Action Number:
	321116
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Unavailable.
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 03/07/2024

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

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 3

Action 321116

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID:	217955
	Action Number:	321116
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ 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	Between 1 and 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	None
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
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.	
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)	944
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	28700
GRO+DRO (EPA SW-846 Method 8015M)	26300
BTEX (EPA SW-846 Method 8021B or 8260B)	585
Benzene (EPA SW-846 Method 8021B or 8260B)	54.3

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	06/01/2024
On what date will (or did) the final sampling or liner inspection occur	06/02/2024
On what date will (or was) the remediation complete(d)	06/05/2024
What is the estimated surface area (in square feet) that will be reclaimed	311
What is the estimated volume (in cubic yards) that will be reclaimed	89
What is the estimated surface area (in square feet) that will be remediated	311
What is the estimated volume (in cubic yards) that will be remediated	89

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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Santa Fe, NM 87505

QUESTIONS, Page 4

Action 321116

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID:	217955
	Action Number:	321116
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	WINDWARD FEDERAL #002H [fDHR1914358314]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site 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
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 03/07/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 321116

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 321116
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
<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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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QUESTIONS, Page 6

Action 321116

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 321116
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

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	No

District I
1625 N. French Dr., Hobbs, NM 88240
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CONDITIONS

Action 321116

CONDITIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 321116
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the work plan has been reviewed.	3/7/2024

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CONDITIONS

Action 321116

CONDITIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 321116
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the work plan has been reviewed.	3/7/2024

From: [Rodgers, Scott, EMNRD](#)
To: [Chavira, Lisbeth](#)
Cc: [Abbott, Sam](#); [Lull, Christian](#)
Subject: RE: [EXTERNAL] Extension Request - NAPP2331054136 (Windward Federal 003H)
Date: Thursday, June 6, 2024 4:29:41 PM
Attachments: [image002.jpg](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[image007.png](#)

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

Your time extension request is approved. Remediation Due date has been updated to September 3, 2024 within the incident page.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

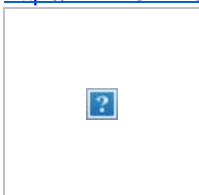
The OCD requires a copy of all correspondence related to remedial activities be included in all proposals, weekly/monthly/quarterly/semi-annual/annual, or final closure reports. Correspondence reporting requirements may include, but not limited to, time extension requests, sample event notifications, and variance requests.

If you have any questions, please contact me via email at your convenience.

Thank you.

Regards,
Scott

Scott Rodgers • Environmental Specialist – Adv.
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Chavira, Lisbeth <LISBETH.CHAVIRA@tetrattech.com>
Sent: Thursday, June 6, 2024 1:57 PM

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

Cc: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>; Abbott, Sam <Sam.Abbott@tetrattech.com>; Llull, Christian <Christian.Llull@tetrattech.com>

Subject: [EXTERNAL] Extension Request - NAPP2331054136 (Windward Federal 003H)

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

Mr. Rodgers:

On behalf of ConocoPhillips, Tetra Tech is requesting a 90-day extension (until September 3, 2024) to complete remedial activities and associated reporting for the Windward Federal 003H Site (**NAPP2331054136**).

The Remediation Work Plan (Work Plan) was prepared by Tetra Tech on behalf of ConocoPhillips and submitted to NMOCD on March 7, 2024. The Work Plan described the results of the release assessment and provided characterization of the impact at the site. The Work Plan was conditionally approved by the NMOCD on Thursday, March 7, 2024, with the following comment:

- *The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft². All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the work plan has been reviewed.*

Tetra Tech is currently preparing for remedial action at the project site. Recent safety incidents in the Permian Basin have precipitated additional policies and procedures regarding subsurface utilities and remedial action to be performed in the vicinity of said utilities. These policies and procedures require planning in order to safely and successfully complete remedial work in heavily congested areas such as the Windward Federal 003H. Please see attached the figure indicating known utilities within the release footprint, which precipitate the need for additional time and preparation. Worker safety is of paramount importance to ConocoPhillips and a remediation in an area such as this cannot be rushed. Thus additional time is required to ensure the safety of field personnel and to eliminate any possible additional unwanted impacts to the environment resulting from an unplanned incident. Remedial activities are currently scheduled to begin second week of July.

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

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

Thank you in advance.

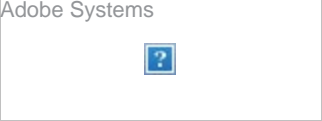
Lisbeth

Lisbeth Chavira | Geoscientist
Direct Mobile +1 (512) 596-8201 | Lisbeth.chavira@tetrattech.com

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

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Chavira, Lisbeth

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, June 21, 2024 10:13 AM
To: Llull, Christian
Cc: Chavira, Lisbeth; Poole, Nicholas; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] Incident ID: NAPP2331054136 (Windward Federal #003H Release) - Confirmation Sampling

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

Good morning Christian,

Yes, the OCD permitting website has been working intermittently on our side as well. As such I was able to add notes under the Incident Events pertaining to your sampling event. Please submit C-141Ns for each of the requested dates at a later time.

Kind regards,

Shelly

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

From: Llull, Christian <Christian.Llull@tetrattech.com>
Sent: Thursday, June 20, 2024 3:13 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Chavira, Lisbeth <LISBETH.CHAVIRA@tetrattech.com>; Poole, Nicholas <NICHOLAS.POOLE@tetrattech.com>
Subject: [EXTERNAL] Incident ID: NAPP2331054136 (Windward Federal #003H Release) - Confirmation Sampling

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

Incident ID (n#) **NAPP2331054136 (Windward Federal #003H Release) - Confirmation Sampling**

To whom it may concern,

The OCD Permitting portal is currently down and a connection cannot be established to the remote server. Thus, in accordance with Subsection D of 19.15.29.12 NMAC, the responsible party must verbally notify the appropriate division district office prior to conducting confirmation sampling.

Remediation activities of the release will begin Monday, June 24, 2024.

Thus, on behalf of ConocoPhillips for the above referenced incident, Tetra Tech is duly providing this communication which serves as notification that confirmation sampling will be conducted at this site **Tuesday June 25 – Thursday June 27, 2024.**

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

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

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

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TETRA TECH

APPENDIX D

Photographic Documentation



TETRA TECH, INC. PROJECT NO. 212C-MD-03280	DESCRIPTION	View west. View of approximate release extent and surrounding vegetation.	1
	SITE NAME	WINDWARD FEDERAL 3H RELEASE	10/31/2023



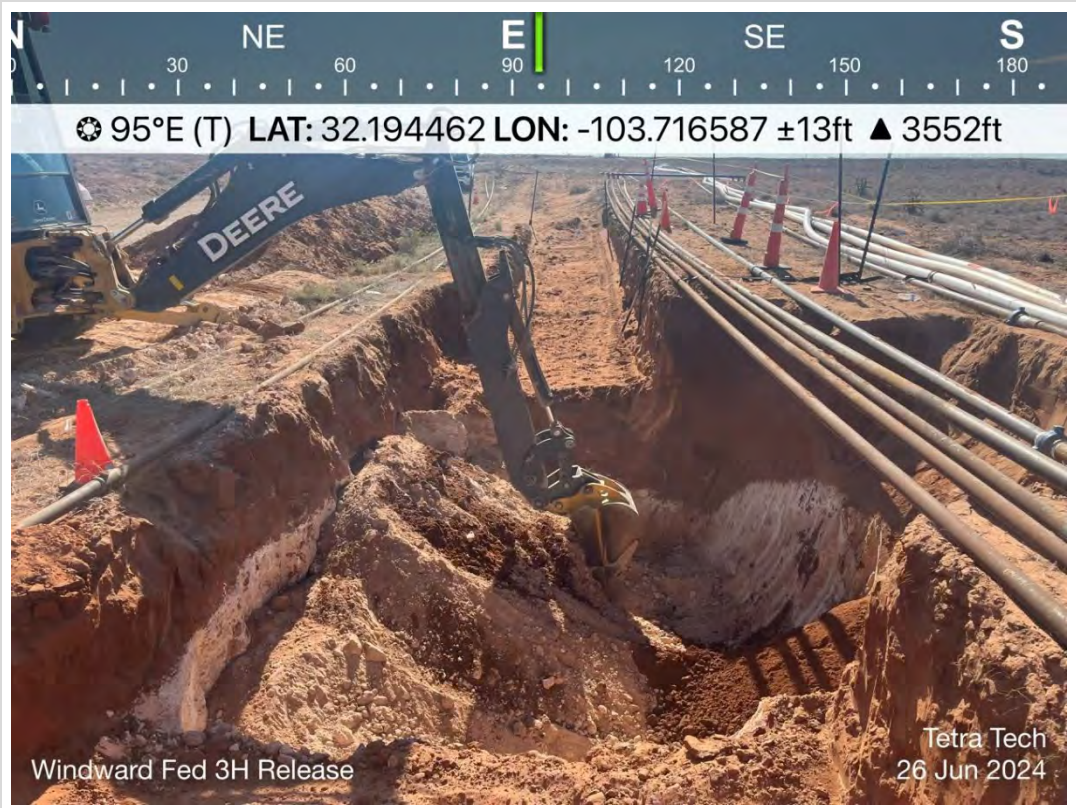
TETRA TECH, INC. PROJECT NO. 212C-MD-03280	DESCRIPTION	View northeast of approximate release extent and surrounding vegetation.	2
	SITE NAME	WINDWARD FEDERAL 3H RELEASE	10/31/2023



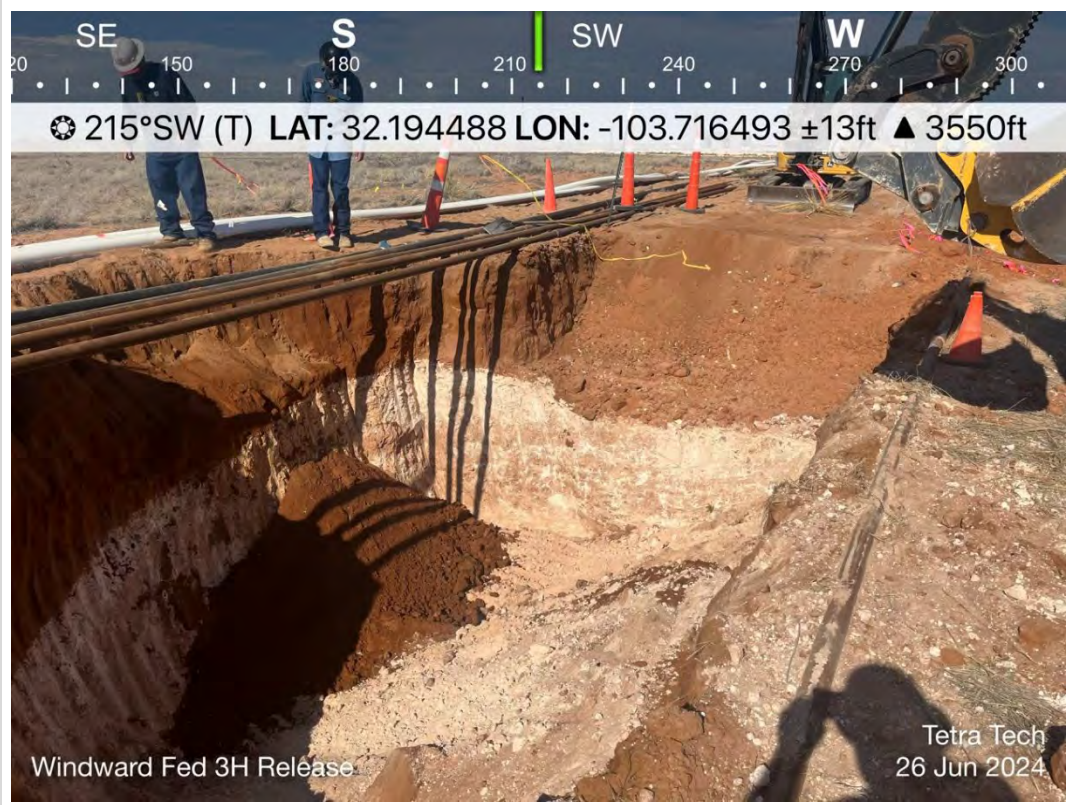
TETRA TECH, INC. PROJECT NO. 212C-MD-03280	DESCRIPTION	View south of approximate release extent in vicinity of AH-1 sample location. View of assessment activities.	3
	SITE NAME	WINDWARD FEDERAL 3H RELEASE	12/06/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-03280	DESCRIPTION	View east-southeast of open excavation. View of surface steel and polylines.	4
	SITE NAME	WINDWARD FEDERAL 3H RELEASE	6/26/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03280	DESCRIPTION	View east-southeast of open excavation. View of surface steel and polylines.	5
	SITE NAME	WINDWARD FEDERAL 3H RELEASE	6/26/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03280	DESCRIPTION	View south-southwest of open excavation. View of surface steel and polylines.	6
	SITE NAME	WINDWARD FEDERAL 3H RELEASE	6/26/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03280	DESCRIPTION	View west of backfilled excavation. View of surface steel and polylines.	7
	SITE NAME	WINDWARD FEDERAL 3H RELEASE	6/26/2024



TETRA TECH, INC. PROJECT NO. 212C-MD-03280	DESCRIPTION	View west-northwest of backfilled excavation. View of surface steel and polylines.	8
	SITE NAME	WINDWARD FEDERAL 3H RELEASE	6/26/2024

APPENDIX E

Waste Manifests



Customer Copy

WEIGHT TICKET

Ticket # 253771

Start: 08/27/2024 10:19 AM

End: 08/27/2024 10:29 AM

By: owl.amy

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
14	0	14	\$0.01	\$0.14
Hauler: Nakabb Partners				
Driver: Victor Mangano				
Lease: Winward Federal				
Well: OC34				
WPE #: N/A				
County: Schoharie LEA (NY)				
API #: 6002541413				
Client Company Name: Jacob Laird				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
JOM: Durd				
JOM Count: 14				
RF Test Result: Pass				
42S Test: Pass				
42S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
WORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
13	0.0 lbs	10.01		\$0.14

SUBTOTAL ----> \$0.14

TAX ----> \$0.00

ROUNDING ----> \$-0.00

TOTAL ----> \$0.14

Customer: ConocoPhillips Company

Driver: Karen Work



Customer Copy

-----WEIGHT TICKET-----

Ticket # 253828

Start: 06/27/2024 12:35 PM

End: 06/27/2024 01:02 PM

By: cowl.amy

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
14	0	14	\$0.01	\$0.14
Hauler: McVabb Services				
Driver: Victor Manzana				
Lease: Windward Federal				
Well: OCCH				
AFE #: N/A				
County: Spotted LSA (NY)				
API #: 8102541413				
Manifest #: 6				
Client Company Man: Jacob Laird				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
JOM: Durd				
JOM Count: 14				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
NORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
18		18.0 lbs	\$0.01	\$0.14

SUBTOTAL ---> \$0.14

TAX ---> \$0.01

ROUNDING ---> \$-0.00

TOTAL ---> \$0.15

Customer: ConocoPhillips Company

Driver: Karan Wolk



Customer Copy

WEIGHT TICKET

Ticket # 253756

Start: 06/27/2024 11:09 AM

End: 06/27/2024 11:24 AM

Bristol, Idaho

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
18	0	18	10.01	\$0.18
Hauler: McVabb Partners				
Driver: Lamer Rodriguez				
Lease: Winward Federal				
Well: OGDH				
AFE #: N/A				
County, State: LEA (NM)				
API #: 5002541413				
Client Company: Mary Jacob Laird				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Belly Dumps				
JOM: Durd				
JOM Count: 18				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
1	0	1	10.00	\$0.00
Paint Filter - PASS				
1	0	1	10.00	\$0.00
WORM - PASS				
1	0	1	10.00	\$0.00
Additional Photos				
1	0	1	10.00	\$0.00

22	0.0 lbs	10.01	\$0.18
----	---------	-------	--------

SUBTOTAL ---> \$0.18

TAX ---> \$0.01

ROUNDING ---> \$0.00

TOTAL ---> \$0.19

Customer: ConocoPhillips Company

Driver: Karen Wors



WEIGHT TICKET

Ticket # 253840

Start: 08/27/2024 01:13 PM

End: 08/27/2024 01:42 PM

By: JCL/Isanaka

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
18	0	18	\$0.01	\$0.18
Hauler: Nottab Partners				
Driver: Umar Rodriguez				
Lease: Winward Rental				
Well: OCH				
API #: N/A				
County, State: LEA (NV)				
API #: 3002541413				
Client Company Name: Jacob Laird				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Belly Dumps				
JOM: Durd				
JOM Count: 18				
RF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
1	0	1	\$0.00	\$0.00
Paint Filter - PASS				
1	0	1	\$0.00	\$0.00
WORM - PASS				
1	0	1	\$0.00	\$0.00
Additional Photos				
1	0	1	\$0.00	\$0.00
22	0.0 lbs		\$0.01	\$0.18

SUBTOTAL ----> \$0.18

TAX ----> \$0.01

ROUNDING ----> \$0.00

TOTAL ----> \$0.19

Customer:

ID/License:

Plate#:



Customer Copy

WEIGHT TICKET

Ticket # 253811

Start: 06/27/2024 12:13 PM

End: 06/27/2024 12:21 PM

Browl.aden

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
15	0	15	10.01	\$0.16
Hauler: Melvado Partners				
Driver: Manuel Lopez				
Lease: Windward Federal				
Well: OCS-1				
AFE #: N/A				
County, State: LEA (NV)				
API #: 3002541413				
Client Company Name: Jacob Laird				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
JOM: Durd				
JOM Count: 16				
RF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
1	0	1	10.00	\$0.00
Paint Filter - PASS				
1	0	1	10.00	\$0.00
NORM - PASS				
1	0	1	10.00	\$0.00
Additional Photos				
1	0	1	10.00	\$0.00
20		0.0 lbs	10.01	\$0.16

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

Customer: ConocoPhillips Company
 Driver: Karen Work



8

WEIGHT TICKET

Ticket # 253850

Start: 06/27/2024 01:59 PM

End: 08/27/2024 02:01 PM

By: Cal Lisanca

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
14	0	14	\$0.01	\$0.14
Hauler: McNabb Partners				
Driver: Manuel Lopez				
Lease: Woodward Federal				
Well: 0331				
WFE #: N/A				
County, State: LA (NY)				
API #: 3002541413				
Client Company Name: Jacob Laird				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Dump Truck				
JOM: Curb				
JOM Count: 14				
RF Test Result: Pass				
QS Test: Pass				
QS Testing - PASS				
0	0	0	\$0.00	\$0.00
Paint Filter - PASS				
0	0	0	\$0.00	\$0.00
NORM - PASS				
0	0	0	\$0.00	\$0.00
Additional Photos				
0	0	0	\$0.00	\$0.00
13	0.0 lbs	13	\$0.01	\$0.13

SUBTOTAL ----> \$0.14

TAX ----> \$0.01

ROUNDING ----> \$-0.00

TOTAL ----> \$0.15

Customer: ConocoPhillips Company

Driver: Karen Work

powered by weighPay.com



Customer Copy

WEIGHT TICKET

Ticket # 253776

Start: 08/27/2024 10:41 AM

End: 08/27/2024 10:45 AM

By: cowlany

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
18	0	18	\$0.01	\$0.18
Hauler: Ndvab Partners				
Driver: Asia Mayberry				
Lease: Woodward Federal				
Well: OCB-I				
WFE #: N/A				
County, State: LEA (NY)				
API #: 3002541413				
Client Company Name: Jacob Laird				
Rig Name & Number: N/A				
Trucking Co Ticket #: N/A				
Truck Type: Belly Dumps				
JOM: Cured				
JOM Count: 18				
PF Test Result: Pass				
H2S Test: Pass				
H2S Testing - PASS				
0		1	\$0.00	\$0.00
Paint Filter - PASS				
0		1	\$0.00	\$0.00
NORM - PASS				
0		1	\$0.00	\$0.00
Additional Photos				
0		1	\$0.00	\$0.00
22	0.0 lbs		\$0.01	\$0.18

SUBTOTAL ----> \$0.18

TAX ----> \$0.01

ROUNDING ----> \$0.00

TOTAL ----> \$0.19

Customer: ConocoPhillips Company

Driver: Karen Work

Winward Fed #3

TRUCK M83

ACIE



Customer Copy

WEIGHT TICKET

Ticket # 253820

Start: 06/27/2024 12:38 PM

End: 06/27/2024 12:41 PM

By: PXL1152024

GROSS	TARE	NET	PRICE	AMOUNT
Contaminated Soil				
20	0	20	10.01	\$0.20
Hauler: McNabb Partners				
Driver: Asia Mayberry				
Lease: Winward Federal				
Well: OCH				
County: Stearns LSA (NY)				
API #: 8002541413				
Manifest #: 8				
Client Company: Matt Jacob Leird				
Trig Name & Number: 4/A				
Trucking Co Ticket #: N/A				
Truck Type: Belly Dumps				
JOM: Durd				
JOM Count: 20				
PF Test Results: Pass				
42S Test: Pass				
42S Testing - PASS				
1	0	1	10.00	\$0.00
NORM - PASS				
1	0	1	10.00	\$0.00
Paint Filter - PASS				
1	0	1	10.00	\$0.00
Additional Photos				
1	0	1	10.00	\$0.00
21	0.0 lbs		10.01	\$0.20

SUBTOTAL ----> \$0.20

TAX ----> \$0.01

ROUNDING ----> \$-0.00

TOTAL ----> \$0.21

Customer: ConocoPhillips Company

Driver: Karen Work

Winward Fed #3

Truck M83

ACIE

APPENDIX F

Laboratory Analytical Data



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

June 26, 2024

LISBETH CHAVIRA

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: WINDWARD FED 3H RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 06/25/24 16:41.

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

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,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/25/2024	Sampling Date:	06/25/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	WINDWARD FED 3H RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03280	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: NSW - 1 (H243799-01)

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	06/26/2024	ND	1.83	91.6	2.00	0.355		
Toluene*	<0.050	0.050	06/26/2024	ND	1.83	91.6	2.00	0.00535		
Ethylbenzene*	<0.050	0.050	06/26/2024	ND	1.95	97.4	2.00	0.103		
Total Xylenes*	<0.150	0.150	06/26/2024	ND	5.75	95.8	6.00	0.0806		
Total BTEx	<0.300	0.300	06/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/26/2024	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	06/26/2024	ND	189	94.7	200	1.92	
DRO >C10-C28*	<10.0	10.0	06/26/2024	ND	197	98.5	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	06/26/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/25/2024
 Reported: 06/26/2024
 Project Name: WINDWARD FED 3H RELEASE
 Project Number: 212C - MD - 03280
 Project Location: LEA CO NM

Sampling Date: 06/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: ESW - 1 (H243799-02)

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	06/26/2024	ND	1.83	91.6	2.00	0.355	
Toluene*	<0.050	0.050	06/26/2024	ND	1.83	91.6	2.00	0.00535	
Ethylbenzene*	<0.050	0.050	06/26/2024	ND	1.95	97.4	2.00	0.103	
Total Xylenes*	<0.150	0.150	06/26/2024	ND	5.75	95.8	6.00	0.0806	
Total BTEX	<0.300	0.300	06/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/26/2024	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	06/26/2024	ND	189	94.7	200	1.92	
DRO >C10-C28*	<10.0	10.0	06/26/2024	ND	197	98.5	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	06/26/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/25/2024
 Reported: 06/26/2024
 Project Name: WINDWARD FED 3H RELEASE
 Project Number: 212C - MD - 03280
 Project Location: LEA CO NM

Sampling Date: 06/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WSW - 1 (H243799-03)

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	06/26/2024	ND	1.82	90.9	2.00	1.49	
Toluene*	<0.050	0.050	06/26/2024	ND	1.82	91.0	2.00	0.400	
Ethylbenzene*	<0.050	0.050	06/26/2024	ND	1.89	94.5	2.00	1.58	
Total Xylenes*	<0.150	0.150	06/26/2024	ND	5.57	92.8	6.00	1.80	
Total BTEX	<0.300	0.300	06/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/26/2024	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	06/26/2024	ND	189	94.7	200	1.92	
DRO >C10-C28*	<10.0	10.0	06/26/2024	ND	197	98.5	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	06/26/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/25/2024
 Reported: 06/26/2024
 Project Name: WINDWARD FED 3H RELEASE
 Project Number: 212C - MD - 03280
 Project Location: LEA CO NM

Sampling Date: 06/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SSW - 1 (H243799-04)

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	06/26/2024	ND	1.82	90.9	2.00	1.49	
Toluene*	<0.050	0.050	06/26/2024	ND	1.82	91.0	2.00	0.400	
Ethylbenzene*	<0.050	0.050	06/26/2024	ND	1.89	94.5	2.00	1.58	
Total Xylenes*	<0.150	0.150	06/26/2024	ND	5.57	92.8	6.00	1.80	
Total BTEX	<0.300	0.300	06/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/26/2024	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	06/26/2024	ND	189	94.7	200	1.92	
DRO >C10-C28*	<10.0	10.0	06/26/2024	ND	197	98.5	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	06/26/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/25/2024	Sampling Date:	06/25/2024
Reported:	06/26/2024	Sampling Type:	Soil
Project Name:	WINDWARD FED 3H RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03280	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: FS- 1 (H243799-05)

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	06/26/2024	ND	1.82	90.9	2.00	1.49		
Toluene*	<0.050	0.050	06/26/2024	ND	1.82	91.0	2.00	0.400		
Ethylbenzene*	<0.050	0.050	06/26/2024	ND	1.89	94.5	2.00	1.58		
Total Xylenes*	<0.150	0.150	06/26/2024	ND	5.57	92.8	6.00	1.80		
Total BTEX	<0.300	0.300	06/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/26/2024	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	06/26/2024	ND	189	94.7	200	1.92	
DRO >C10-C28*	<10.0	10.0	06/26/2024	ND	197	98.5	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	06/26/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/25/2024
 Reported: 06/26/2024
 Project Name: WINDWARD FED 3H RELEASE
 Project Number: 212C - MD - 03280
 Project Location: LEA CO NM

Sampling Date: 06/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS- 2 (H243799-06)

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	06/26/2024	ND	1.82	90.9	2.00	1.49		
Toluene*	<0.050	0.050	06/26/2024	ND	1.82	91.0	2.00	0.400		
Ethylbenzene*	<0.050	0.050	06/26/2024	ND	1.89	94.5	2.00	1.58		
Total Xylenes*	<0.150	0.150	06/26/2024	ND	5.57	92.8	6.00	1.80		
Total BTEX	<0.300	0.300	06/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/26/2024	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	06/26/2024	ND	189	94.7	200	1.92	
DRO >C10-C28*	<10.0	10.0	06/26/2024	ND	197	98.5	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	06/26/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/25/2024
 Reported: 06/26/2024
 Project Name: WINDWARD FED 3H RELEASE
 Project Number: 212C - MD - 03280
 Project Location: LEA CO NM

Sampling Date: 06/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS- 3 (H243799-07)

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	06/26/2024	ND	1.82	90.9	2.00	1.49	
Toluene*	<0.050	0.050	06/26/2024	ND	1.82	91.0	2.00	0.400	
Ethylbenzene*	<0.050	0.050	06/26/2024	ND	1.89	94.5	2.00	1.58	
Total Xylenes*	<0.150	0.150	06/26/2024	ND	5.57	92.8	6.00	1.80	
Total BTEX	<0.300	0.300	06/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/26/2024	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	06/26/2024	ND	189	94.7	200	1.92	
DRO >C10-C28*	<10.0	10.0	06/26/2024	ND	197	98.5	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	06/26/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Page 10 of 10



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

March 27, 2024

SAM ABBOTT

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: TWIN WELLS BUCKTHORN PIT (BACKFILL SOURCE)

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

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

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

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

Sample ID: BACKFILL - COMPOSITE (H241559-01)

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

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

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

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

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Tetra Tech		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Sam Abbott		Address: 8911 Capital o Texas Hwy, Suite 2310		City: Austin		State: TX Zip:	
Phone #: (512)555-0190		Fax #: 212C-MD-02999A		Project Owner: ConocoPhillips		City: State: Zip:	
Project Name: Lea County, New Mexico		Project Location: Lea County, New Mexico		Phone #: Fax #:		PRESERV. SAMPLING	
Sampler Name: Colton Bickerstaff		Lab I.D.:		Sample I.D.:		Backfill-Composite	
Date: 03/26/24		Received By: [Signature]		Time: 4:55 PM		Date: 3/26/24	
Relinquished By: [Signature]		Date: 03/26/24		Time: 4:55 PM		Date: 3/26/24	
Delivered By: (Circle One) Sampler - UPS - N/A - Other:		Observed Temp. °C Corrected Temp. °C		Sample Condition Cool Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: [Signature]	
Thermometer ID: 4555		Standard <input type="checkbox"/> Cool Head <input type="checkbox"/> Observed Temp. °C		Correction Factor: 0.50		Thermometer ID: 4555	
FORM-006 R 3.2 10/07/21		Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	

REMARKS: Backfill sample collected at Twin Wells Ranch Buckhorn pit (32.1521970, -103.7734031) for use at King Tut(s) & Windward Federal Releases.

TPH 8015M
BTEX 8021B
Chloride SM4500CI-B
RUSH

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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 368334

QUESTIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 368334
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2331054136
Incident Name	NAPP2331054136 WINDWARD FEDERAL 003H @ 0
Incident Type	Release Other
Incident Status	Reclamation Report Received
Incident Facility	[fAPP2132638253] WINDWARD FED 2H - BATTERY

Location of Release Source	
Please answer all the questions in this group.	
Site Name	WINDWARD FEDERAL 003H
Date Release Discovered	10/24/2023
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Release 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: Corrosion Flow Line - Production Crude Oil Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 368334

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID:	217955
	Action Number:	368334
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Unavailable.
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 03/07/2024
--	---

District I

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QUESTIONS, Page 3

Action 368334

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 368334
	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
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ 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	Between 1 and 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	None
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
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.	
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)	944
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	28700
GRO+DRO (EPA SW-846 Method 8015M)	26300
BTEX (EPA SW-846 Method 8021B or 8260B)	585
Benzene (EPA SW-846 Method 8021B or 8260B)	54.3

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	06/01/2024
On what date will (or did) the final sampling or liner inspection occur	06/02/2024
On what date will (or was) the remediation complete(d)	06/05/2024
What is the estimated surface area (in square feet) that will be reclaimed	311
What is the estimated volume (in cubic yards) that will be reclaimed	89
What is the estimated surface area (in square feet) that will be remediated	311
What is the estimated volume (in cubic yards) that will be remediated	89

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.

District I

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 368334

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID:	217955
	Action Number:	368334
	Action Type:	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	WINDWARD FEDERAL #002H [fDHR1914358314]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site 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
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 03/07/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

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QUESTIONS, Page 5

Action 368334

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 368334
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

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QUESTIONS, Page 6

Action 368334

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID:
	217955
	Action Number:
	368334
Action Type:	
[C-141] Reclamation Report C-141 (C-141-v-Reclamation)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	356833
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/25/2024
What was the (estimated) number of samples that were to be gathered	7
What was the sampling surface area in square feet	405

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	537
What was the total volume (cubic yards) remediated	132
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	537
What was the total volume (in cubic yards) reclaimed	132
Summarize any additional remediation activities not included by answers (above)	na

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.

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I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 07/30/2024
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QUESTIONS, Page 7

Action 368334

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 368334
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS**Reclamation Report**

Only answer the questions in this group if all reclamation steps have been completed.

Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	537
What was the total volume of replacement material (in cubic yards) for this site	132

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.

Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseedling commence(d)	06/27/2024

Summarize any additional reclamation activities not included by answers (above)	na
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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 reseedling plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 07/30/2024
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QUESTIONS, Page 8

Action 368334

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 368334
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
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.	

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CONDITIONS

Action 368334

CONDITIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 368334
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	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 reseeding activities, inspections, and final pictures when revegetation is achieved.	8/22/2024