



MCollier@H-R_Enterprises.com 575-909-0326

Soil Remediation and Closure Report

Vaca Draw 20-17 Federal #057H
Incident# nAPP2429872874
Lea County, New Mexico

Prepared For:

Cimarex Energy Co.
6001 Deauville Blvd. Suite 300N
Midland, TX 79706

Prepared By:

H&R Enterprises, LLC
5120 W. Kansas St.
Hobbs, New Mexico 88242

December 6, 2024

Mr. Mike Bratcher
New Mexico Oil Conservation District
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Subject: **Soil Remediation and Closure Report**
Vaca Draw 20-17 Federal #057H
Lea County, NM

Dear Mr. Bratcher,

Cimarex Energy Co. has contracted H&R Enterprises (H&R) to perform soil remediation services at the above-referenced location. The results of our soil remediation activities are contained herein.

Site Information

The Vaca Draw 20-17 Federal #057H is located approximately 41 miles West of Jal, New Mexico. The legal location for this release is Unit Letter P, Section 20, Township 25 South and Range 35 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.109898 North and -103.58874 West. Site plans are presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Pyote soils and Dune land, 0 to 3 percent slopes. The referenced soil data is attached in [Appendix II](#). Drainage courses in this area are typically dry. The project site is not located in a high Karst potential area (Karst Map, [Appendix I](#)).

Groundwater and Site Characterization

The New Mexico Office of the State Engineer web site indicates that the nearest reported depth to groundwater is 280-feet below ground surface (BGS). See [Appendix II](#) for the referenced groundwater data.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred less than 50 feet to the groundwater in Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29, NMAC.

Approximate Depth to Groundwater	280 Feet/BGS
---	---------------------

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 200 feet of any lakebed, sinkhole, or a playa lake
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet from an occupied permanent residence, school, hospital, institution, or church
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 1000 feet of any freshwater well or spring
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet of a wetland
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within the area overlying a subsurface mine
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within an unstable area
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within a 100-year floodplain

As this is a remediation within 500-foot of a water well that is used for livestock watering, the closure criteria for this site are as follows:

Table I			
Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Chloride **	EPA 300.0 or SM4500 CIB	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Incident Description

On October 24, 2024, it was discovered that the coupon packing gland had backed out due to the safety chain not being properly secured and tightened. This caused the release of 3 barrels (bbls) of produced water and 2 bbls of crude oil onto the well pad. A total of 2 bbls of crude oil were recovered.

Soil Remediation Activities

H&R mobilized personnel to begin soil remediation activities of the release area. A hydro-vac truck hydro excavated the area around the wellhead as well as on top of the buried flow lines coming off of the wellhead. The impacted area on the well pad but away from the wellhead was excavated by way of a backhoe. Composite confirmation samples were collected every 200-square foot from the bottom and sidewalls of the excavated area and transported to Cardinal Laboratory for analysis. The results of that analysis are presented in the following data table. Confirmation composite sampling locations and excavation dimensions are illustrated on Site Assessment Map, [Appendix I](#). Photographic documentation of the remediation process is attached in [Appendix IV](#). A complete laboratory report can be found in [Appendix V](#).

Table 1: Initial Soil Samples Analysis

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	100 mg/kg			100 mg/kg	600 mg/kg
S-1	11/21/2024	2'	ND	ND	ND	ND	ND	0	ND
S-2	11/21/2024	2'	ND	ND	ND	ND	ND	0	ND
S-3	11/21/2024	2'	ND	ND	ND	ND	ND	0	ND
S-4	11/21/2024	2'	ND	ND	ND	ND	ND	0	ND
S-5	11/21/2024	2'	ND	ND	ND	ND	ND	0	ND
S-6	11/21/2024	2'	ND	ND	ND	ND	ND	0	ND
S-7	11/21/2024	2'	ND	ND	ND	ND	ND	0	ND
SW-1	11/21/2024	2'	ND	ND	ND	ND	ND	0	ND
SW-2	11/21/2024	2'	ND	ND	ND	ND	ND	0	ND
SW-3	11/21/2024	2'	ND	ND	ND	ND	ND	0	ND
SW-4	11/21/2024	2'	ND	ND	ND	ND	ND	0	ND

ND = Analyte Not Detected S = Bottom Composite Sample SW = Sidewall Composite Sample

Based on the results of our confirmation sampling, we believe no further soil remediation actions are required.

Remedial Actions

- The impacted area was excavated to a total depth of 2-feet BGS.
- Composite confirmation samples were obtained from the bottom and sidewalls of the excavated areas to verify that all contaminants above closure criteria had been removed.
- All the excavated material (120yds) was hauled to Lea Land, a NMOCD approved solid waste disposal facility.
- The excavated areas on the well pad and wellhead were backfilled with new caliche at depth and brought to grade, machine compacted and contoured to match the surrounding location.

Closure

Based on the remedial actions and confirmation sampling results completed for this project, on behalf of Cimarex Energy Co. we request that no further actions be required, and that closure of this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-909-0326.

Respectfully submitted,

H&R Enterprises, LLC



Michael Collier
Environmental Project Manager

Attachments:

- Appendix I Site Maps
- Appendix II Soil Survey, Groundwater Data, FEMA Flood Zone
- Appendix III NMOCD Correspondence
- Appendix IV Photographic Documentation
- Appendix V Laboratory Reports

APPENDIX I

SITE MAPS

KARST MAP

TOPOGRAPHIC MAP

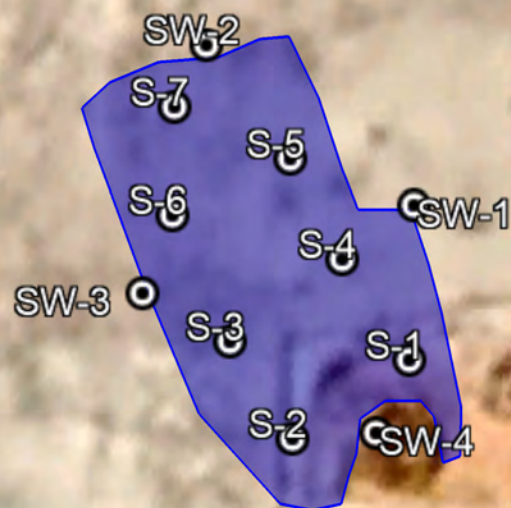
LOCATOR MAP

Vaca Draw 20-17 Federal #057H

Cimarex Energy Co.
Incident# nAPP2429872874
Lea County, NM
Confirmation Sample Map

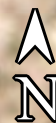
Legend

- 2ft. Excavation
- Composite Confirmation Sample



Google Earth

Image © 2024 Airbus



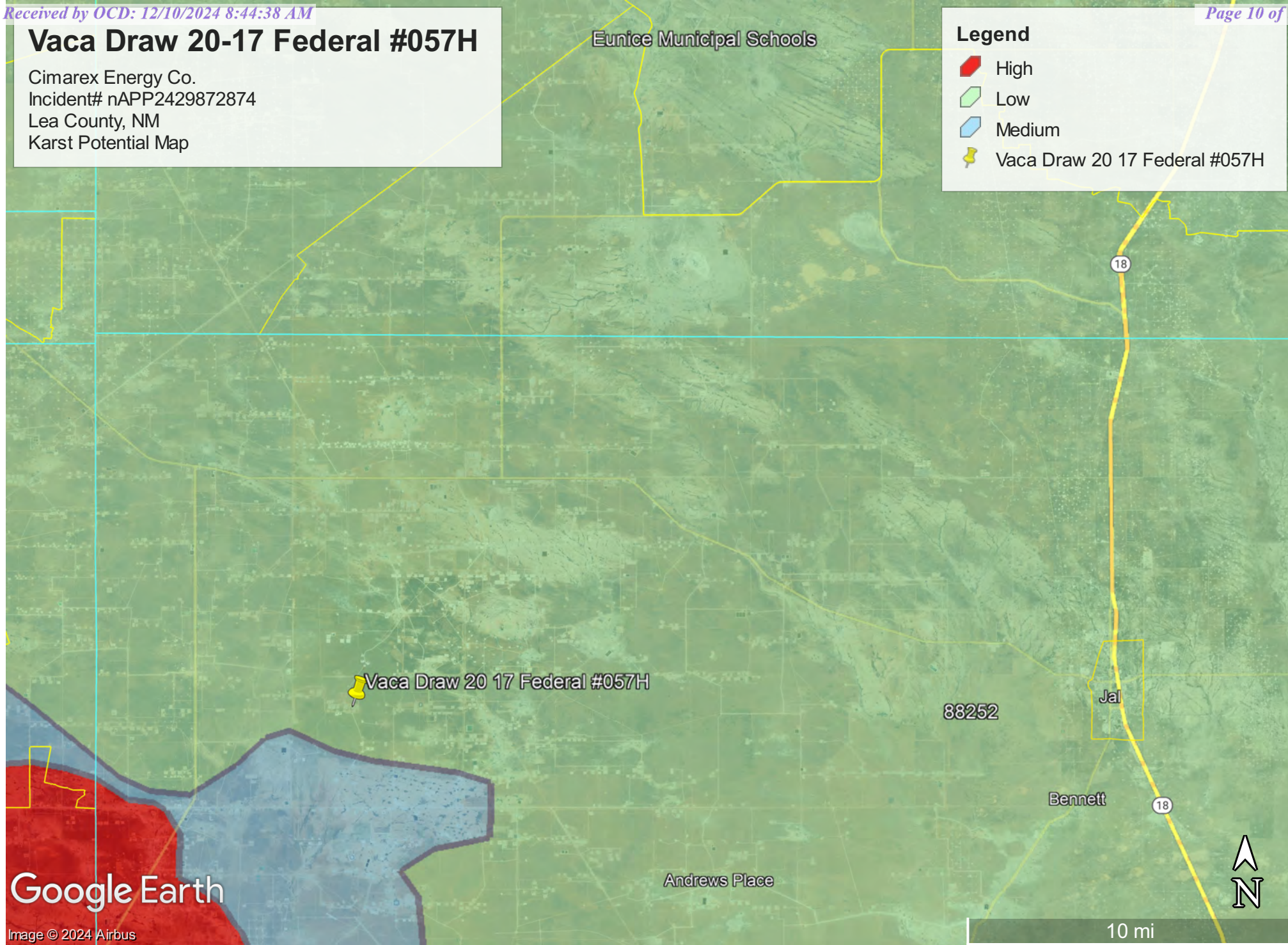
80 ft

Vaca Draw 20-17 Federal #057H

Cimarex Energy Co.
Incident# nAPP2429872874
Lea County, NM
Karst Potential Map

Legend

- High
- Low
- Medium
- Vaca Draw 20 17 Federal #057H




Google Earth

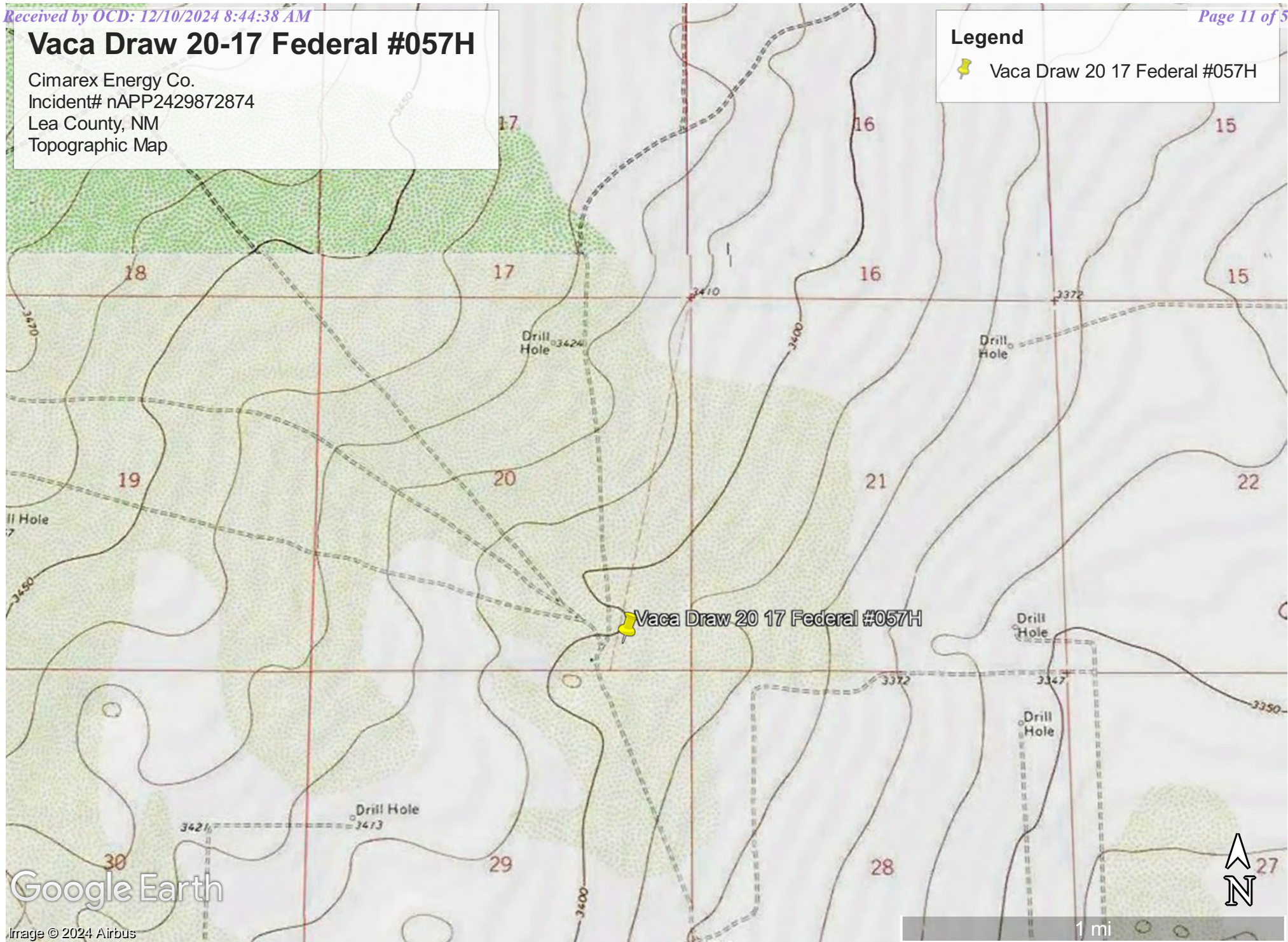
Image © 2024 Airbus

Vaca Draw 20-17 Federal #057H

Cimarex Energy Co.
Incident# nAPP2429872874
Lea County, NM
Topographic Map

Legend


 Vaca Draw 20 17 Federal #057H



Vaca Draw 20-17 Federal #057H

Cimarex Energy Co.
Incident# nAPP2429872874
Lea County, NM
Locator Map

Legend

 Vaca Draw 20 17 Federal #057H

 Vaca Draw 20 17 Federal #057H

88252

Jal

Bennett

Andrews Place

Google Earth

Image © 2024 Airbus



10 mi

APPENDIX II

GROUNDWATER DATA

SOIL SURVEY

FEMA FLOOD ZONE

Water Well Distance Map

Water Column/Average Depth to Water

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

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

(quarters are smallest
tolargest)

(NAD83 UTM in meters)

(Infēet)

(Infēet)

(Infēet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C 04698 POD1		CUB	LE	NE	NW	SE	27	25S	33E	635651.9	3553287.5		2512	80		
C 04699 POD1		CUB	LE	NE	NW	SE	22	25S	33E	635709.0	3554978.3		2963	80		
C 04627 POD1		CUB	LE	SW	SW	SE	08	25S	33E	632665.4	3556725.4		3273			
C 04537 POD1		C	LE	SE	SE	SE	31	25S	33E	631846.7	3550243.2		3495	500	280	220
C 02313		CUB	LE	NE	SW	SW	26	25S	33E	636971.0	3552098.0 *		4068	150	110	40
														Average Depth to Water: 195feet		
														Minimum Depth: 110 feet		
														Maximum Depth: 280 feet		

RecordCount: 5

Basin/County Search:
County: LE

UTM Filters (in meters):
Easting: 633147.12
Northing: 3553488.00
Radius: 05000

* UTM location was derived from PLSS - see Help

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

12/6/24 1:45 PM MST Water Column/Average Depth to Water

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Map Unit Description: Pyote soils and Dune land---Lea County, New Mexico

Lea County, New Mexico

PY—Pyote soils and Dune land

Map Unit Setting

National map unit symbol: dmqr

Elevation: 3,000 to 4,400 feet

Mean annual precipitation: 10 to 15 inches

Mean annual air temperature: 60 to 64 degrees F

Frost-free period: 190 to 220 days

Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent

Dune land: 44 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pyote

Setting

Landform: Depressions

Landform position (two-dimensional): Footslope

Landform position (three-dimensional): Base slope

Down-slope shape: Concave

Across-slope shape: Concave

Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand

Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Map Unit Description: Pyote soils and Dune land---Lea County, New Mexico

Interpretive groups

Land capability classification (irrigated): 6e

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: A

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Description of Dune Land**Setting**

Landform: Dunes

Landform position (two-dimensional): Shoulder, backslope

Landform position (three-dimensional): Side slope

Down-slope shape: Convex, linear

Across-slope shape: Convex

Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 6 inches: fine sand

C - 6 to 60 inches: fine sand

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8

Hydrologic Soil Group: A

Hydric soil rating: No

Minor Components**Kermi**

Percent of map unit: 5 percent

Ecological site: R070BC022NM - Sandhills

Hydric soil rating: No

Maljamar, fine sand

Percent of map unit: 3 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Wink

Percent of map unit: 2 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Data Source Information

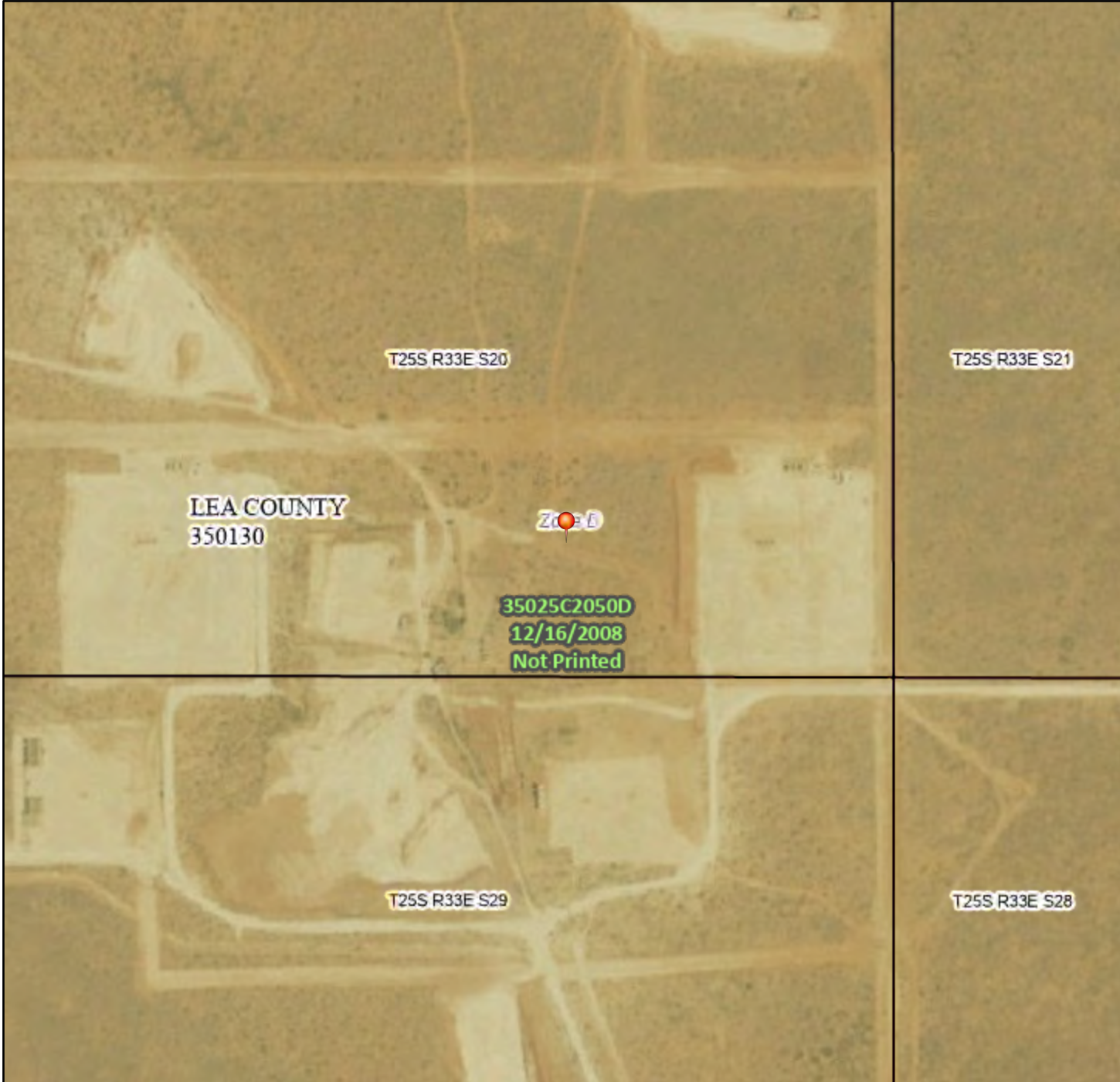
Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

National Flood Hazard Layer FIRMette



103°35'38"W 32°6'51"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°35'1"W 32°6'20"N

Released to Imaging: 1/14/2025 2:37:09 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 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Profile Baseline
		Hydrographic Feature
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 **12/6/2024 at 6:38 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

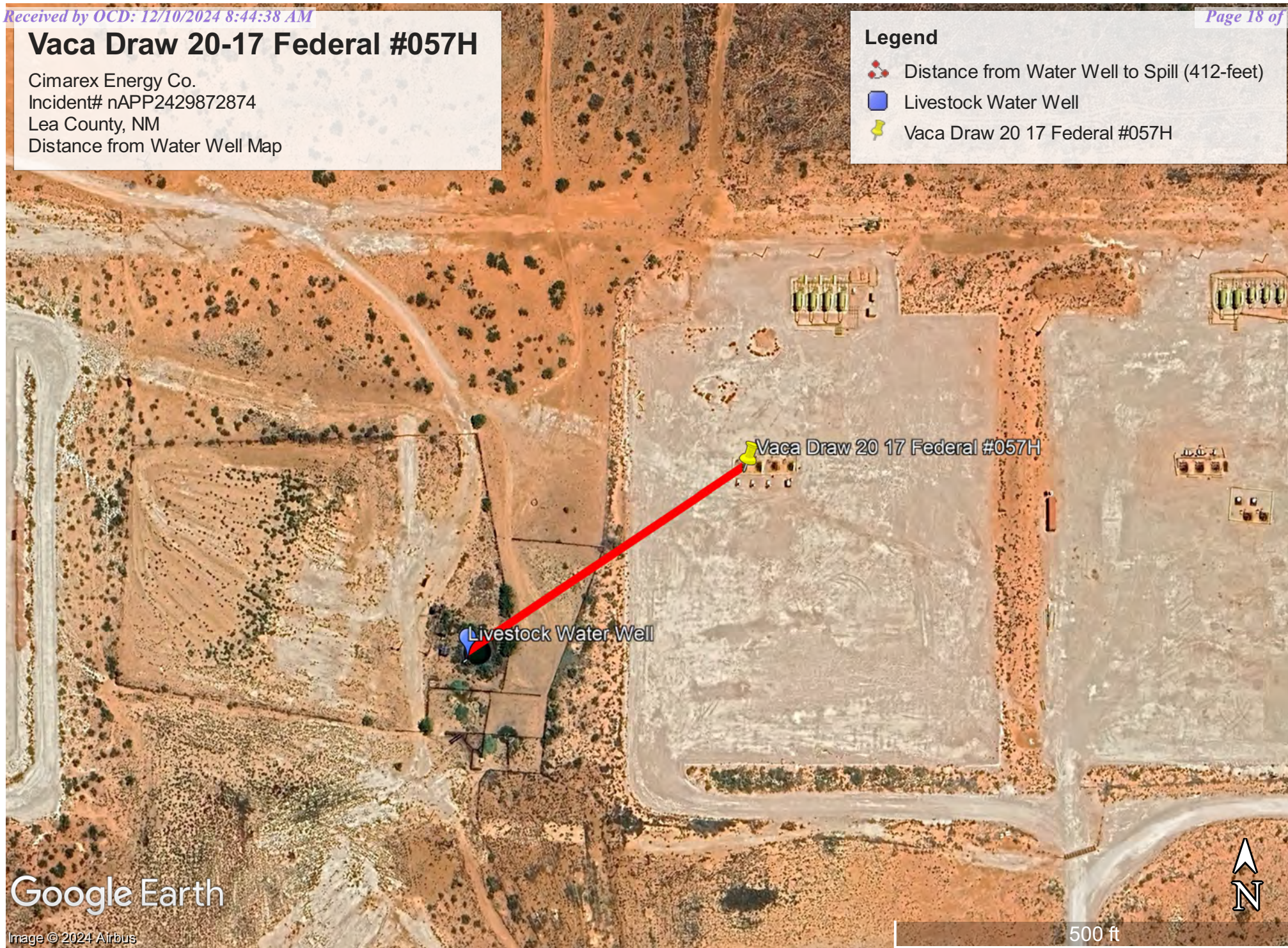
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

Vaca Draw 20-17 Federal #057H

Cimarex Energy Co.
Incident# nAPP2429872874
Lea County, NM
Distance from Water Well Map

Legend

-  Distance from Water Well to Spill (412-feet)
-  Livestock Water Well
-  Vaca Draw 20 17 Federal #057H



Google Earth

Image © 2024 Airbus

APPENDIX III

NMOCD 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 395756

QUESTIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 395756
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Vaca Draw 20-17 Federal 57H
Date Release Discovered	10/24/2024
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Human Error Other (Specify) Crude Oil Released: 2 BBL Recovered: 2 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Human Error Other (Specify) Produced Water Released: 3 BBL Recovered: 0 BBL Lost: 3 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)	Upon the Pumper's arrival on location, fluid was discovered on the well pad. Further investigation revealed that the coupon packing gland had backed out due to the safety chain not being properly secured and tightened on the packing gland. A total of 5 barrels were discharged onto the well pad, with 2 barrels recovered by a vac truck. The impacted soils will be scheduled for remediation in the coming weeks. Released: 5 barrels (2 barrels oil + 3 barrels water) Recovered: 2 barrels oil

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QUESTIONS, Page 2

Action 395756

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 395756
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More volume information must be supplied 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	No
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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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ACKNOWLEDGMENTS

Action 395756

ACKNOWLEDGMENTS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 395756
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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CONDITIONS

Action 395756

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 395756
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
lluig	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	10/24/2024

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[C-141] Initial C-141 (C-141-V-INITIAL) Application

Submission Information

Submission ID:	396144	Districts:	Hobbs
Operator:	[215099] CIMAREX ENERGY CO.	Counties:	Lea
Description:	CIMAREX ENERGY CO. [215099] , Vaca Draw 20-17 Federal 57H , nAPP2429872874		
Status:	APPROVED		
Status Date:	10/28/2024		
References (2):	30-025-46119, nAPP2429872874		

Forms

Attachments: [Volume Calculation](#)

Questions

Prerequisites

Incident ID (n#)	nAPP2429872874
Incident Name	NAPP2429872874 VACA DRAW 20-17 FEDERAL 57H @ 30-025-46119
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-025-46119] VACA DRAW 20 17 FEDERAL #057H

Location of Release Source

Please answer all the questions in this group.

Site Name	Vaca Draw 20-17 Federal 57H
Date Release Discovered	10/24/2024
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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

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: Human Error Other Specify Crude Oil Released: 2 BBL Recovered: 2 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Human Error Other Specify Produced Water Released: 3 BBL Recovered: 0 BBL Lost: 3 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)	Upon the Pumper's arrival on location, fluid was discovered on the well pad. Further investigation revealed the packing gland had backed out due to the safety chain not being properly secured and tightened on the packing barrels were discharged onto the well pad, with 2 barrels recovered by a vac truck. The impacted soils will be remediated in the coming weeks. Released: 5 barrels (2 barrels oil + 3 barrels water) Recovered: 2 barrels oil

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	No
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 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 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 the operator 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 constitute acceptance 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: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 10/28/2024
--	---

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)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.

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	Not answered.
---	---------------

Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

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 No

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, then it should consult with the division to determine if another remediation plan submission is required.

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary: scott.rodgers (10/28/2024), None

Reasons

No reasons found for this submission.

Go Back

From: [Laci Luig](#)
To: [Michael Collier](#)
Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 404376
Date: Tuesday, November 19, 2024 4:34:39 PM

Sample notice for Vaca Draw 20-17 Federal Com 57H.

Laci Luig
(432) 208-3035

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, November 18, 2024 2:30 PM
To: DL_Permian Environmental <DL_PermianEnvironmental@coterra.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 404376

WARNING: This email originated from outside of Coterra Energy. Do not click links or open attachments unless you recognize the sender, are expecting the content and know it is safe.

To whom it may concern (c/o Laci Luig for CIMAREX ENERGY CO.),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2429872874.

The sampling event is expected to take place:

When: 11/21/2024 @ 09:00

Where: P-20-25S-33E 0 FNL 0 FEL (32.1099,-103.58874)

Additional Information: H&R Enterprises will be collecting confirmation samples.

Contact Michael Collier 575-909-0326

Additional Instructions: GPS Coordinates to site: 32.10990, -103.58874

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

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

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

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

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APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION

PHOTOGRAPHIC DOCUMENTATION

INITIAL RELEASE PHOTOGRAPHS**South East Elevation**

☀ 332°NW (T) ● 32.109852°, -103.588783° ±13ft ▲ 3394ft

**North Elevation**

☀ 167°S (T) ● 32.109992°, -103.588713° ±13ft ▲ 3396ft



PHOTOGRAPHIC DOCUMENTATION



EXCAVATION PHOTOGRAPHS



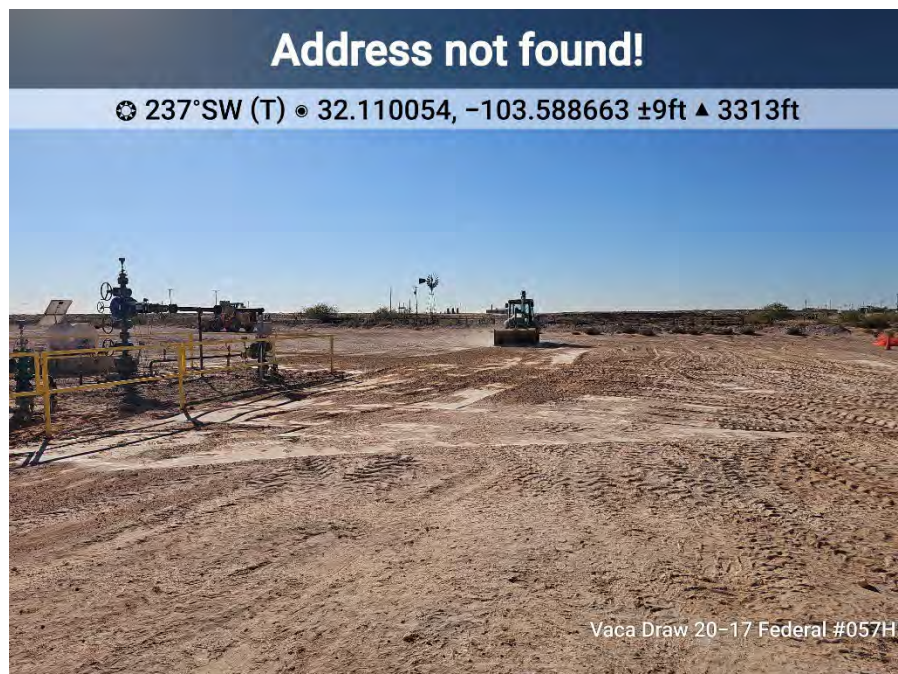
PHOTOGRAPHIC DOCUMENTATION



FINAL PHOTOGRAPHS



PHOTOGRAPHIC DOCUMENTATION



APPENDIX V

LABORATORY REPORT



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

November 27, 2024

MICHAEL COLLIER
H & R ENTERPRISES
1010 GAMBLIN ROAD
HOBBS, NM 88240

RE: VACA DRAW 20-17 FEDERAL #057H (VACA)

Enclosed are the results of analyses for samples received by the laboratory on 11/21/24 13:34.

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,

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

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



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	11/21/2024	Sampling Date:	11/21/2024
Reported:	11/27/2024	Sampling Type:	Soil
Project Name:	VACA DRAW 20-17 FEDERAL #057H (VA	Sampling Condition:	Cool & Intact
Project Number:	LEA COUNTY, NM	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: S - 1 2' (H247154-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/25/2024	ND	2.17	109	2.00	3.78	
Toluene*	<0.050	0.050	11/25/2024	ND	2.08	104	2.00	5.42	
Ethylbenzene*	<0.050	0.050	11/25/2024	ND	2.20	110	2.00	5.91	
Total Xylenes*	<0.150	0.150	11/25/2024	ND	6.55	109	6.00	6.29	
Total BTX	<0.300	0.300	11/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/26/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/25/2024	ND	196	98.0	200	0.240	
DRO >C10-C28*	<10.0	10.0	11/25/2024	ND	181	90.5	200	0.660	
EXT DRO >C28-C36	<10.0	10.0	11/25/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	11/21/2024	Sampling Date:	11/21/2024
Reported:	11/27/2024	Sampling Type:	Soil
Project Name:	VACA DRAW 20-17 FEDERAL #057H (V/	Sampling Condition:	Cool & Intact
Project Number:	LEA COUNTY, NM	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: S - 2 2' (H247154-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/25/2024	ND	2.17	109	2.00	3.78	
Toluene*	<0.050	0.050	11/25/2024	ND	2.08	104	2.00	5.42	
Ethylbenzene*	<0.050	0.050	11/25/2024	ND	2.20	110	2.00	5.91	
Total Xylenes*	<0.150	0.150	11/25/2024	ND	6.55	109	6.00	6.29	
Total BTX	<0.300	0.300	11/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/25/2024	ND	196	98.0	200	0.240	
DRO >C10-C28*	<10.0	10.0	11/25/2024	ND	181	90.5	200	0.660	
EXT DRO >C28-C36	<10.0	10.0	11/25/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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*=Accredited Analyte

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



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	11/21/2024	Sampling Date:	11/21/2024
Reported:	11/27/2024	Sampling Type:	Soil
Project Name:	VACA DRAW 20-17 FEDERAL #057H (V/	Sampling Condition:	Cool & Intact
Project Number:	LEA COUNTY, NM	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: S - 3 2' (H247154-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/25/2024	ND	2.17	109	2.00	3.78	
Toluene*	<0.050	0.050	11/25/2024	ND	2.08	104	2.00	5.42	
Ethylbenzene*	<0.050	0.050	11/25/2024	ND	2.20	110	2.00	5.91	
Total Xylenes*	<0.150	0.150	11/25/2024	ND	6.55	109	6.00	6.29	
Total BTEX	<0.300	0.300	11/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/25/2024	ND	196	98.0	200	0.240	
DRO >C10-C28*	<10.0	10.0	11/25/2024	ND	181	90.5	200	0.660	
EXT DRO >C28-C36	<10.0	10.0	11/25/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	11/21/2024	Sampling Date:	11/21/2024
Reported:	11/27/2024	Sampling Type:	Soil
Project Name:	VACA DRAW 20-17 FEDERAL #057H (V/	Sampling Condition:	Cool & Intact
Project Number:	LEA COUNTY, NM	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: S - 4 2' (H247154-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/25/2024	ND	2.17	109	2.00	3.78		
Toluene*	<0.050	0.050	11/25/2024	ND	2.08	104	2.00	5.42		
Ethylbenzene*	<0.050	0.050	11/25/2024	ND	2.20	110	2.00	5.91		
Total Xylenes*	<0.150	0.150	11/25/2024	ND	6.55	109	6.00	6.29		
Total BTEX	<0.300	0.300	11/25/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/26/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/25/2024	ND	196	98.0	200	0.240	
DRO >C10-C28*	<10.0	10.0	11/25/2024	ND	181	90.5	200	0.660	
EXT DRO >C28-C36	<10.0	10.0	11/25/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	11/21/2024	Sampling Date:	11/21/2024
Reported:	11/27/2024	Sampling Type:	Soil
Project Name:	VACA DRAW 20-17 FEDERAL #057H (V/	Sampling Condition:	Cool & Intact
Project Number:	LEA COUNTY, NM	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: S - 5 2' (H247154-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/25/2024	ND	2.17	109	2.00	3.78	
Toluene*	<0.050	0.050	11/25/2024	ND	2.08	104	2.00	5.42	
Ethylbenzene*	<0.050	0.050	11/25/2024	ND	2.20	110	2.00	5.91	
Total Xylenes*	<0.150	0.150	11/25/2024	ND	6.55	109	6.00	6.29	
Total BTEX	<0.300	0.300	11/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/26/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/25/2024	ND	196	98.0	200	0.240	
DRO >C10-C28*	<10.0	10.0	11/25/2024	ND	181	90.5	200	0.660	
EXT DRO >C28-C36	<10.0	10.0	11/25/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	11/21/2024	Sampling Date:	11/21/2024
Reported:	11/27/2024	Sampling Type:	Soil
Project Name:	VACA DRAW 20-17 FEDERAL #057H (V/	Sampling Condition:	Cool & Intact
Project Number:	LEA COUNTY, NM	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: S - 6 2' (H247154-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/25/2024	ND	2.17	109	2.00	3.78	
Toluene*	<0.050	0.050	11/25/2024	ND	2.08	104	2.00	5.42	
Ethylbenzene*	<0.050	0.050	11/25/2024	ND	2.20	110	2.00	5.91	
Total Xylenes*	<0.150	0.150	11/25/2024	ND	6.55	109	6.00	6.29	
Total BTEX	<0.300	0.300	11/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/26/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/25/2024	ND	196	98.0	200	0.240	
DRO >C10-C28*	<10.0	10.0	11/25/2024	ND	181	90.5	200	0.660	
EXT DRO >C28-C36	<10.0	10.0	11/25/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	11/21/2024	Sampling Date:	11/21/2024
Reported:	11/27/2024	Sampling Type:	Soil
Project Name:	VACA DRAW 20-17 FEDERAL #057H (VA	Sampling Condition:	Cool & Intact
Project Number:	LEA COUNTY, NM	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: S - 7 2' (H247154-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/25/2024	ND	2.17	109	2.00	3.78		
Toluene*	<0.050	0.050	11/25/2024	ND	2.08	104	2.00	5.42		
Ethylbenzene*	<0.050	0.050	11/25/2024	ND	2.20	110	2.00	5.91		
Total Xylenes*	<0.150	0.150	11/25/2024	ND	6.55	109	6.00	6.29		
Total BTEX	<0.300	0.300	11/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/26/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/25/2024	ND	196	98.0	200	0.240	
DRO >C10-C28*	<10.0	10.0	11/25/2024	ND	181	90.5	200	0.660	
EXT DRO >C28-C36	<10.0	10.0	11/25/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	11/21/2024	Sampling Date:	11/21/2024
Reported:	11/27/2024	Sampling Type:	Soil
Project Name:	VACA DRAW 20-17 FEDERAL #057H (VA	Sampling Condition:	Cool & Intact
Project Number:	LEA COUNTY, NM	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: SW - 1 2' (H247154-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/25/2024	ND	2.17	109	2.00	3.78	
Toluene*	<0.050	0.050	11/25/2024	ND	2.08	104	2.00	5.42	
Ethylbenzene*	<0.050	0.050	11/25/2024	ND	2.20	110	2.00	5.91	
Total Xylenes*	<0.150	0.150	11/25/2024	ND	6.55	109	6.00	6.29	
Total BTEX	<0.300	0.300	11/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/26/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/25/2024	ND	196	98.0	200	0.240	
DRO >C10-C28*	<10.0	10.0	11/25/2024	ND	181	90.5	200	0.660	
EXT DRO >C28-C36	<10.0	10.0	11/25/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 11/21/2024
 Reported: 11/27/2024
 Project Name: VACA DRAW 20-17 FEDERAL #057H (VA
 Project Number: LEA COUNTY, NM
 Project Location: LEA CO NM

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 2 2' (H247154-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/25/2024	ND	2.17	109	2.00	3.78	
Toluene*	<0.050	0.050	11/25/2024	ND	2.08	104	2.00	5.42	
Ethylbenzene*	<0.050	0.050	11/25/2024	ND	2.20	110	2.00	5.91	
Total Xylenes*	<0.150	0.150	11/25/2024	ND	6.55	109	6.00	6.29	
Total BTEX	<0.300	0.300	11/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/25/2024	ND	196	98.0	200	0.240	
DRO >C10-C28*	<10.0	10.0	11/25/2024	ND	181	90.5	200	0.660	
EXT DRO >C28-C36	<10.0	10.0	11/25/2024	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	11/21/2024	Sampling Date:	11/21/2024
Reported:	11/27/2024	Sampling Type:	Soil
Project Name:	VACA DRAW 20-17 FEDERAL #057H (VA	Sampling Condition:	Cool & Intact
Project Number:	LEA COUNTY, NM	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: SW - 3 2' (H247154-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/25/2024	ND	2.17	109	2.00	3.78		
Toluene*	<0.050	0.050	11/25/2024	ND	2.08	104	2.00	5.42		
Ethylbenzene*	<0.050	0.050	11/25/2024	ND	2.20	110	2.00	5.91		
Total Xylenes*	<0.150	0.150	11/25/2024	ND	6.55	109	6.00	6.29		
Total BTEX	<0.300	0.300	11/25/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/25/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/25/2024	ND	196	98.0	200	0.240	
DRO >C10-C28*	<10.0	10.0	11/25/2024	ND	181	90.5	200	0.660	
EXT DRO >C28-C36	<10.0	10.0	11/25/2024	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received:	11/21/2024	Sampling Date:	11/21/2024
Reported:	11/27/2024	Sampling Type:	Soil
Project Name:	VACA DRAW 20-17 FEDERAL #057H (V/	Sampling Condition:	Cool & Intact
Project Number:	LEA COUNTY, NM	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA CO NM		

Sample ID: SW - 4 (H247154-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/25/2024	ND	2.17	109	2.00	3.78		
Toluene*	<0.050	0.050	11/25/2024	ND	2.08	104	2.00	5.42		
Ethylbenzene*	<0.050	0.050	11/25/2024	ND	2.20	110	2.00	5.91		
Total Xylenes*	<0.150	0.150	11/25/2024	ND	6.55	109	6.00	6.29		
Total BTEX	<0.300	0.300	11/25/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/25/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/25/2024	ND	196	98.0	200	0.240	
DRO >C10-C28*	<10.0	10.0	11/25/2024	ND	181	90.5	200	0.660	
EXT DRO >C28-C36	<10.0	10.0	11/25/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1/2

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

Company Name: H&R Enterprises		BILL TO		ANALYSIS REQUEST	
Project Manager: Michael Collier		P.O. #:			
Address:		Company: Coterra Energy			
City:		Attn: Laci Lutz			
State:		Address:			
Zip:		City:			
Phone #:		State:			
Fax #:		Zip:			
Project #:		Project Owner: Coterra Energy			
Project Name: Vaca Draw 20-17 Federal #057H (Vaca)		Phone #:			
Project Location: Lea County, NM		Fax #:			
Sampler Name: Michael Collier		PRESERV.		SAMPLING	
FOR LAB USE ONLY		MATRIX			
Lab I.D.		GROUNDWATER			
		WASTEWATER			
		SOIL			
		OIL			
		SLUDGE			
		OTHER:			
		ACID/BASE:			
		ICE / COOL			
		OTHER:			
		DATE		TIME	
H247124		11-21-24			
S-1 2'		C		BTEX	
S-2 2'		I		TPH	
S-3 2'				Chlorides	
S-4 2'					
S-5 2'					
S-6 2'					
S-7 2'					
SW-1 2'					
SW-2 2'					
SW-3 2'					
10					
Relinquished By: <i>Michael</i>		Received By: <i>Stocking</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Time: 13:34		Date: 11-21-24		All Results are emailed. Please provide Email address:	
Time:		Time:		REMARKS: pg 1 of 2	
Delivered By: (Circle One) Sampler - Ups - Bus - Other:		Observed Temp. °C Corrected Temp. °C		Thermometer ID: #1173	
-2.4°C		-1.8°C		-0.0°C	
<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Condition Cool Intact		CHECKED BY: <i>SK</i>		Add'l Phone #:	

FORM-006 R 3.2 10/07/21

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



ANALYSIS REQUEST

[illegible]

Relinquished By:	Received By:	REMARKS: pg 2 of 2
Date: 11/21/24 Time: 1:34	Date: 11/21/24 Time: 1:34	
Relinquished By:	Received By:	

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 410220

QUESTIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 410220
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2429872874
Incident Name	NAPP2429872874 VACA DRAW 20-17 FEDERAL 57H @ 30-025-46119
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-46119] VACA DRAW 20 17 FEDERAL #057H

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Vaca Draw 20-17 Federal 57H
Date Release Discovered	10/24/2024
Surface Owner	Private

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

Nature and Volume of Release	
<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: Human Error Other (Specify) Crude Oil Released: 2 BBL Recovered: 2 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Human Error Other (Specify) Produced Water Released: 3 BBL Recovered: 0 BBL Lost: 3 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)	Upon the Pumper's arrival on location, fluid was discovered on the well pad. Further investigation revealed that the coupon packing gland had backed out due to the safety chain not being properly secured and tightened on the packing gland. A total of 5 barrels were discharged onto the well pad, with 2 barrels recovered by a vac truck. The impacted soils will be scheduled for remediation in the coming weeks. Released: 5 barrels (2 barrels oil + 3 barrels water) Recovered: 2 barrels oil

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Phone: (505) 476-3441

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Phone: (505) 629-6116

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

QUESTIONS, Page 2

Action 410220

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 410220
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	No
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: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 12/10/2024
--	---

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

General Information
Phone: (505) 629-6116

Online Phone Directory
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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 3

Action 410220

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 410220
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>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.</i>	
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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 300 and 500 (ft.)
Any other fresh water well or spring	Between 1 and 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	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<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>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	0
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<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>	
On what estimated date will the remediation commence	11/20/2024
On what date will (or did) the final sampling or liner inspection occur	11/21/2024
On what date will (or was) the remediation complete(d)	11/21/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1250
What is the estimated volume (in cubic yards) that will be remediated	120
<i>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.</i>	
<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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General Information
Phone: (505) 629-6116

Online Phone Directory
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Oil Conservation Division
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QUESTIONS, Page 4

Action 410220

QUESTIONS (continued)

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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	LEA LAND LANDFILL [fEEM0112342028]
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)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 12/10/2024
<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 410220

QUESTIONS (continued)

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	Action Number: 410220
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 410220

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 410220
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	404376
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/21/2024
What was the (estimated) number of samples that were to be gathered	30
What was the sampling surface area in square feet	3800

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
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	1250
What was the total volume (cubic yards) remediated	120
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	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	The contaminated area around the wellhead was hydrovac'd and excavated to a depth of 2.0', where then the area was sampled with composite confirmation samples on the floor and sidewalls. All samples were clean and the area was backfilled with clean material.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
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: Laci Luig Title: ES&H Specialist Email: DL_PermianEnvironmental@coterra.com Date: 12/10/2024

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Action 410220

QUESTIONS (continued)

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	Action Number: 410220
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 410220

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 410220
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	1/14/2025
scott.rodgers	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the 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; and a revegetation plan.	1/14/2025