

MCollier@H-R Enterprises.com 575-909-0326

Remediation and Closure Report

Marquardt Federal #011H, 12H, 17H, 18H CTB Incident# nAPP2402475049 Eddy County, New Mexico

Prepared For:

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

Prepared By:

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

March 7, 2024

Mr. Mike Bratcher

New Mexico Oil Conservation District
1220 S. St. Francis Dr.

Santa Fe, NM 87505

Subject: Remediation and Closure Report

Marquardt Federal #011H, 12H, 17H, 18H CTB

Eddy County, NM

Dear Mr. Bratcher,

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

Site Information

The Marquardt Federal #011H, 12H, 17H, 18H CTB is located approximately 17 miles South of Carlsbad, New Mexico. The legal location for this release is Unit Letter P, Section 12, Township 25 South and Range 26 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.137823 North and -104.238650 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 Reeves-Gypsum land complex, 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 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 14-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 14 Feet/BGS ⊠No Yes Within 300 feet of any continuously flowing watercourse or any other significant watercourse No Yes Within 200 feet of any lakebed, sinkhole, or a playa lake ⊠No Yes Within 300 feet from an occupied permanent residence, school, hospital, institution, or church ⊠No Within 500 feet of a spring or a private, domestic fresh water well Yes used by less than five households for domestic or stock watering purposes ⊠No Yes Within 1000 feet of any freshwater well or spring Yes ⊠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 Yes No Within 300 feet of a wetland No Yes Within the area overlying a subsurface mine Yes No Within an unstable area Yes \boxtimes No Within a 100-year floodplain

As this is a remediation in a high karst area the closure criteria for this site is 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/I 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 January 11, 2024, the lease operator arrived on location and found the produced water tank load line hose was left hooked up and the valve cracked open allowing 5.5 barrels (bbls) of produced water to be released into the lined containment as well as onto the well pad. A total of 1.5 bbls of produced water was recovered.

Remediation Activities

H&R mobilized personnel to begin remediation activities of the location. Composite confirmation samples were collected from the bottom and sidewalls of the excavation every 200-square foot and transported to Cardinal Laboratory for analysis. The results of that analysis are presented in the following data table. Confirmation sampling locations and excavation dimensions are illustrated on the Confirmation Sample Map, Appendix I. Before, during, and after photographs of the project are attached in Appendix IV. The complete laboratory report can be found in Appendix V.

5

Table 1: Composite Confirmation Sample 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 Tab	le 1 Closure Crit NMAC	teria 19.15.29	50 mg/kg	10 mg/kg		100 mg/kg		100 mg/kg	600 mg/kg
S-1	2/29/2024	2'	ND	ND	ND	ND	ND	0	288
S-2	2/29/2024	2'	ND	ND	ND	ND	ND	0	256
S-3	2/29/2024	2'	ND	ND	ND	ND	ND	0	96
S-4	2/29/2024	2'	ND	ND	ND	ND	ND	0	112
S-5	2/29/2024	2'	ND	ND	ND	ND	ND	0	112
SW-1	2/29/2024	2'	ND	ND	ND	ND	ND	0	112
SW-2	2/29/2024	2'	ND	ND	ND	ND	ND	0	112
SW-3	2/29/2024	2'	ND	ND	ND	ND	ND	0	96
SW-4	2/29/2024	2'	ND	ND	ND	ND	ND	0	128
SW-5	2/29/2024	2'	ND	ND	ND	ND	ND	0	32
SW-6	2/29/2024	2'	ND	ND	ND	ND	ND	0	48
SW-7	2/29/2024	2'	ND	ND	ND	ND	ND	0	32
		C-	Sample Doint	S/W abi2 -/W2	II ND-No An	alytical Detect	od		

S= Sample Point SW= Side Wall ND= No Analytical Detected

Based on the results of our remediation and confirmation sampling activities, no further actions were needed.

6

- The impacted areas near sample points S-1 through S-5 were excavated to a total depth of 2-feet BGS.
- Composite confirmation samples were obtained from the bottom and sidewalls of the excavated area every 200-square foot.
- All the excavated material (approximately 80yds) was hauled to Lea Land, a NMOCD approved solid waste disposal facility.
- The excavated area on the well pad were backfilled with new caliche at depth and brought to grade, machine compacted and contoured to match the surrounding location.
- The Final C-141 formally documenting the remedial actions will be submitted with this report.
- Photographic documentation of all phases of this project are in Appendix IV.

7

Closure

Based on the remedial actions and confirmation sampling results completed for this project, on behalf of Cimarex Energy Co. of Colorado 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, Groui

Appendix II Soil Survey, Groundwater Data, FEMA Flood Zone

Appendix III NMOCD Correspondence

Appendix IV Photographic Documentation

Appendix V Laboratory Reports

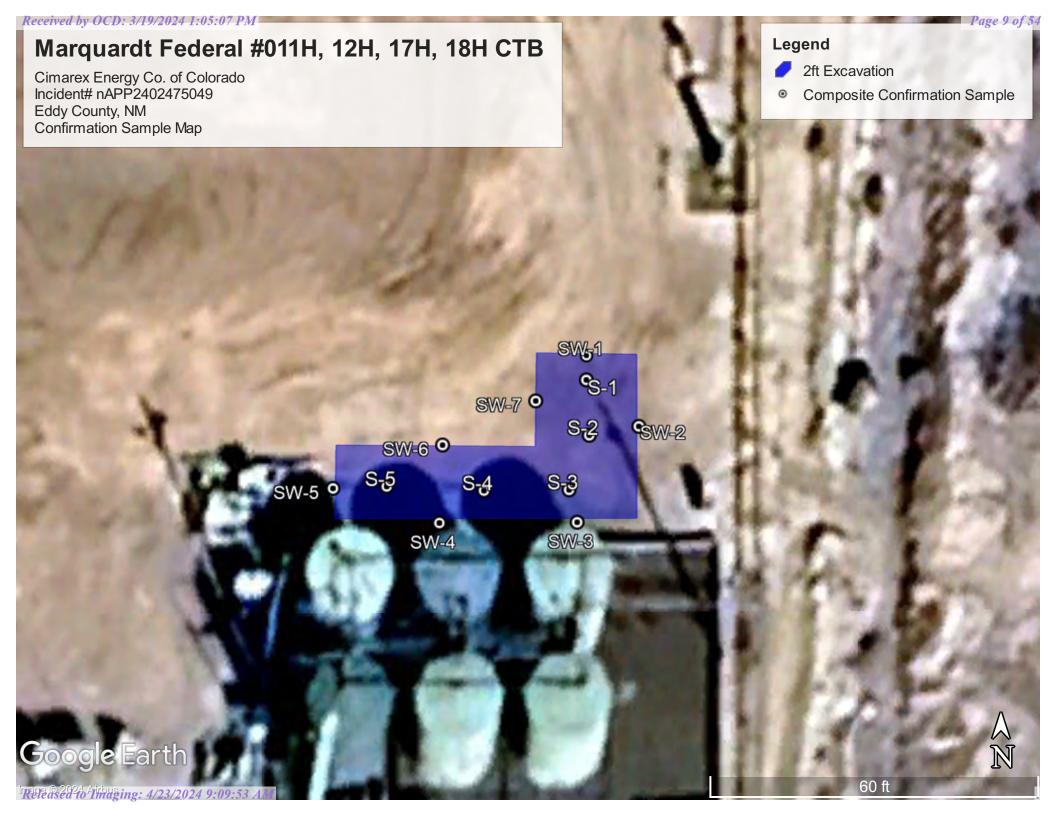
APPENDIX I

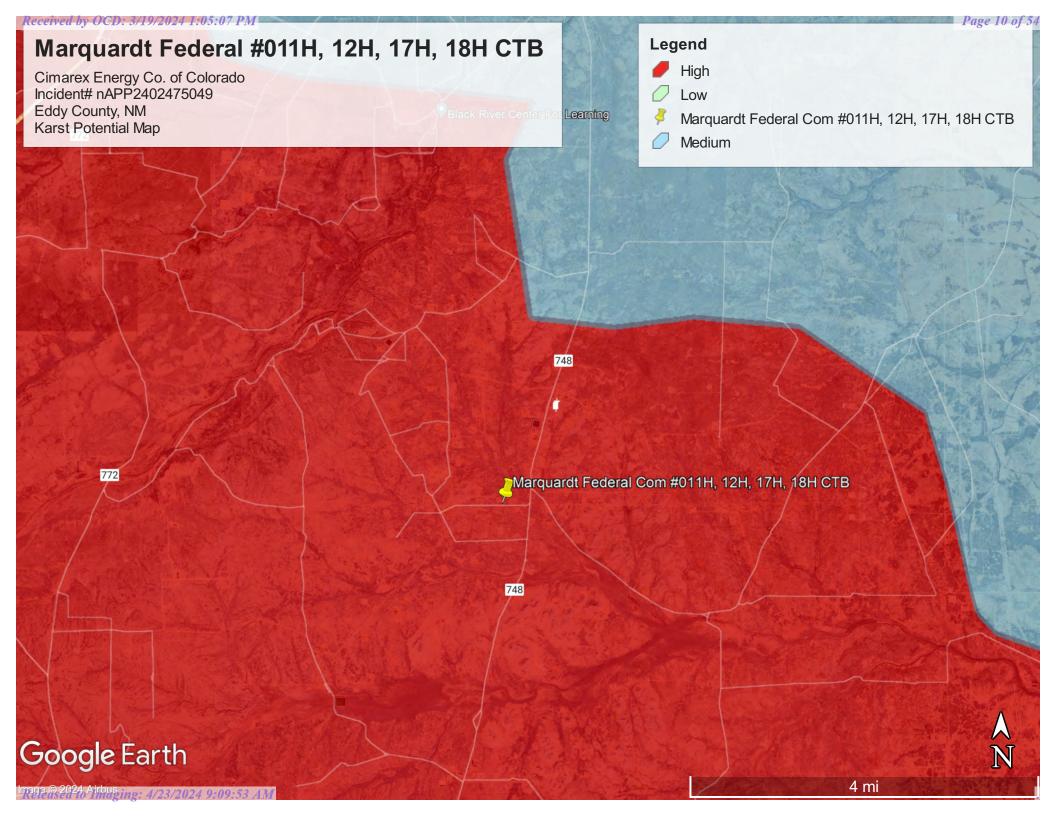
SITE MAPS

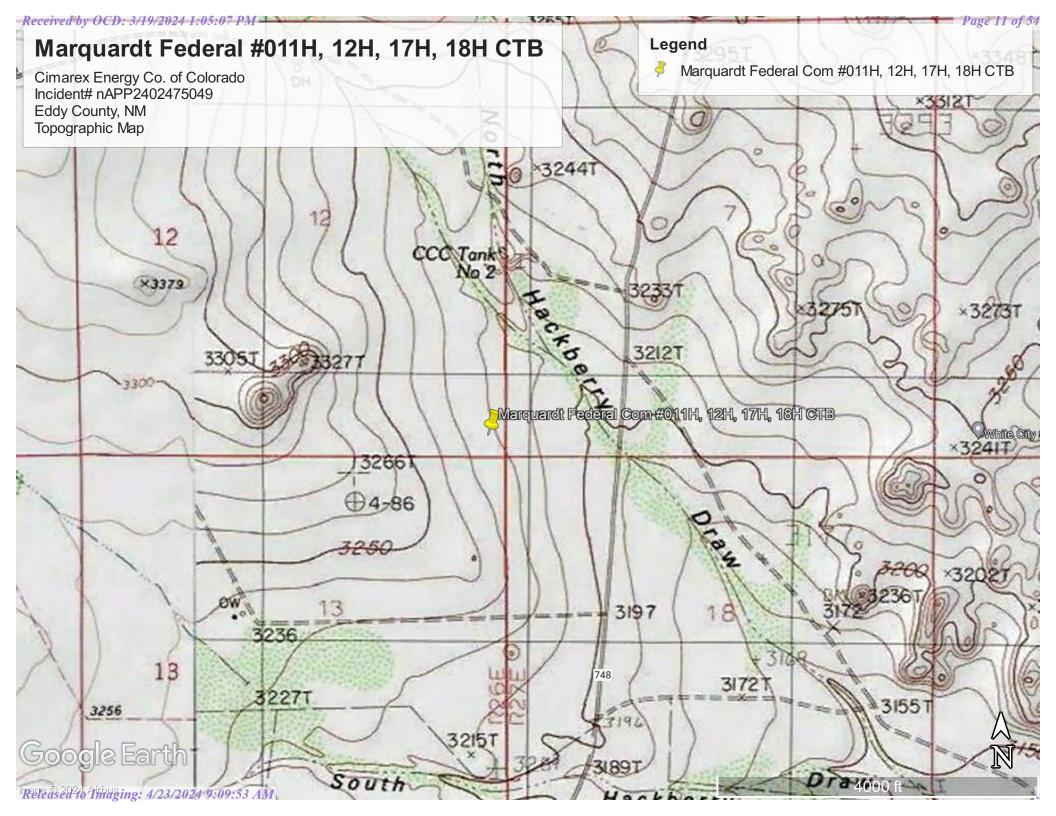
KARST POTENTIAL MAP

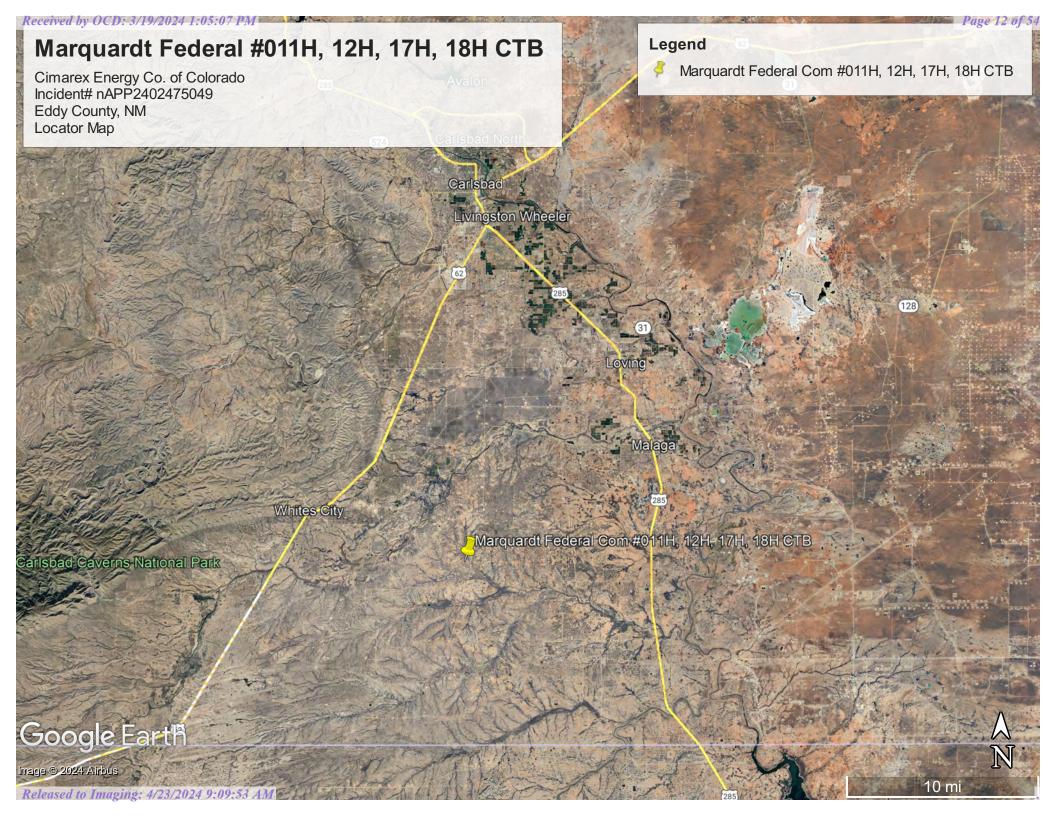
TOPOGRAPHIC MAP

LOCATOR MAP









APPENDIX II

GROUNDWATER DATA

SOIL SURVEY

FEMA FLOOD ZONE



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,

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

C=the file is closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

		POD Sub-		0	Q ()								Water
POD Number	Code	basin	County				Tws	Rng	X	Y	DistanceDe	epthWellDep		
C 03654 POD1		CUB	ED	2	3	24	25S	26E	570654	3553773	2468			
C 03569 POD1		CUB	ED	2	1	14	25S	26E	568862	3555746	2934	30	0	30
<u>C 03261 POD1</u>		CUB	ED	3	2	20	25S	27E	574007	3554006*	2960	351		
<u>C 02221</u>		CUB	ED	4	3 2	2 25	25S	26E	571412	3551961*	4022	35		
<u>C 02220</u>		CUB	ED	3	1 2	26	25S	26E	569598	3552352*	4225	35		
C 03655 POD3		CUB	ED	1	4 4	22	25S	26E	568458	3553019	4446			
<u>C 01013</u>		C	ED		2	25	25S	26E	571505	3551456*	4519	245		
C 04329 POD1		C	ED	2	2	2 27	25S	26E	568577	3552567	4676	57	14	43
<u>C 01368</u>		C	ED		1	22	25S	26E	567261	3554059*	4912	143	118	25
<u>C 01089</u>		C	ED	3	4	03	25S	26E	567505	3558398*	4925	96	45	51
C 03200 POD1		C	ED	2	3 4	34	24S	26E	568206	3559349	4927	80	52	28

Average Depth to Water:

45 feet

Minimum Depth:

0 feet

Maximum Depth:

118 feet

Record Count: 11

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 571788 **Northing (Y):** 3555966.19 **Radius:** 5000

*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.

3/7/24 10:29 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Eddy Area, New Mexico

RG—Reeves-Gypsum land complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5f Elevation: 1,250 to 5,000 feet

Mean annual precipitation: 10 to 25 inches Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 190 to 235 days

Farmland classification: Not prime farmland

Map Unit Composition

Reeves and similar soils: 55 percent

Gypsum land: 30 percent
Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Reeves

Setting

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope,

footslope, toeslope

Landform position (three-dimensional): Side slope, head slope,

nose slope, crest Down-slope shape: Convex Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: loam H2 - 8 to 32 inches: clay loam

H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low

to moderately low (0.00 to 0.06 in/hr) Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 25 percent

Gypsum, maximum content: 80 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to

8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): 3s Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Description of Gypsum Land

Setting

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope,

footslope, toeslope

Landform position (three-dimensional): Side slope, head slope,

nose slope, crest

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8s

Hydric soil rating: No

Minor Components

Reagan

Percent of map unit: 5 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Largo

Percent of map unit: 5 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Cottonwood

Percent of map unit: 5 percent

Ecological site: R070BC033NM - Salty Bottomland

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 19, Sep 7, 2023

National Flood Hazard Layer FIRMette



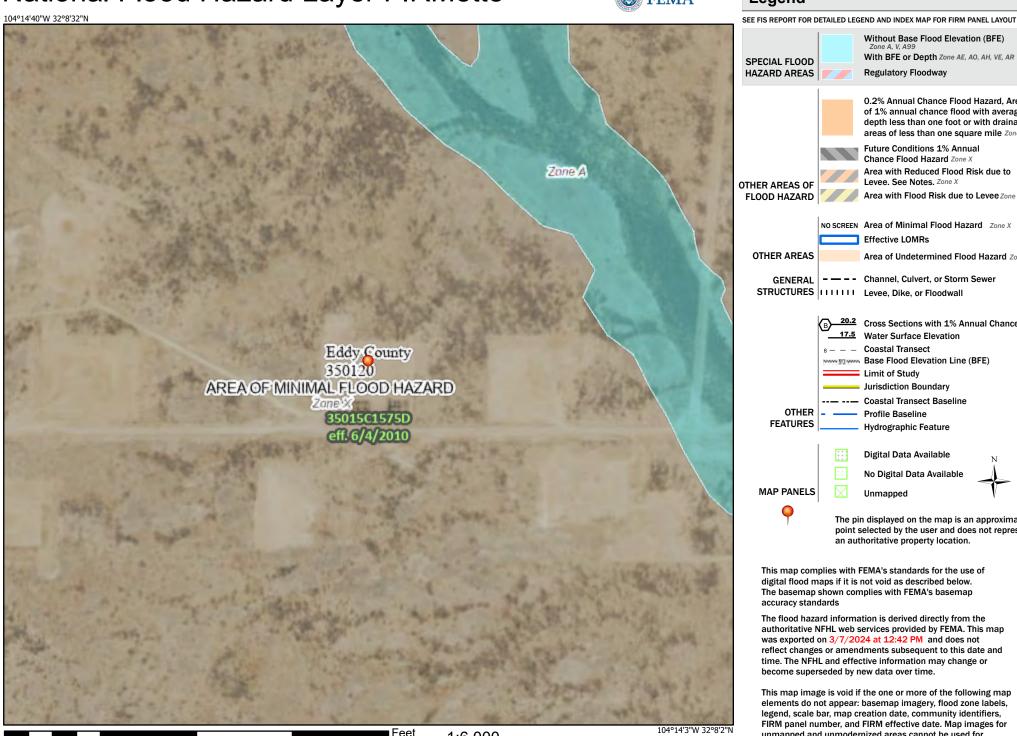


Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone D NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLI Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary **Coastal Transect Baseline** OTHER **Profile Baseline FEATURES** Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS 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 3/7/2024 at 12:42 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.



OReleas 240 Imaging: 4/23/2024 9.99:53 AM

APPENDIX III

NMOCD CORRESPONDENCE

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

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

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

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

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

QUESTIONS

Action 307546

QUESTIONS

ı	Operator:	OGRID:
ı	CIMAREX ENERGY CO. OF COLORADO	162683
ı	6001 Deauville Blvd, Ste 300N	Action Number:
ı	Midland, TX 79706	307546
ı		Action Type:
ı		[NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source				
Please answer all the questions in this group.				
Site Name	Marquardt Federal 11H,12H,17H,18H CTB			
Date Release Discovered	01/13/2024			
Surface Owner	Federal			

ncident 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	
faterial(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	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Valve Produced Water Released: 6 BBL Recovered: 2 BBL Lost: 4 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)	On January 11, 2024, the Lease Operator arrived on location and found the water tank load line hose was left hooked up and the valve cracked allowing 5.5 barrels produced water to release inside and outside lined containment. The valve was immediately closed and a vac truck dispatched to recover standing fluid. An environmental consultant will be contacted and impacted soils remediated in the coming weeks. Released: 5.5 barrels water (1.5 barrels inside containment + 4 barrels outside containment) Recovered: 1.5 barrels from containment

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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 307546

QUESTIONS	(continued)

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd, Ste 300N	Action Number:
Midland, TX 79706	307546
	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)	No, according to supplied volumes this does not appear to be 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.

Action 307546

ACKNOWLEDGMENTS

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6001 Deauville Blvd, Ste 300N	Action Number:
Midland, TX 79706	307546
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

✓	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
V	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.
V	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.
V	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.
V	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.
V	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 307546

CONDITIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd, Ste 300N	Action Number:
Midland, TX 79706	307546
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By		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.	1/24/2024

From: <u>Laci Luig</u>

To: <u>Jim Hawley</u>; <u>Michael Collier</u>

Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 317837

Date: Tuesday, February 27, 2024 11:44:58 AM

FYI...

Laci Luig (432) 208-3035

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Tuesday, February 27, 2024 7:55 AM

To: DL_Permian Environmental <DL_PermianEnvironmental@coterra.com>

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application

ID: 317837

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. OF COLORADO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2402475049.

The sampling event is expected to take place:

When: 02/29/2024 @ 08:00

Where: P-12-25S-26E 0 FNL 0 FEL (32.1381,-104.23925)

Additional Information: Michael Collier - 575-909-0326

Additional Instructions: 32.137823, -104.238650

GPS take you directly to the site

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

This message may contain confidential and/or privileged information. If you are not the addressee or authorized to receive this for the addressee, you must not use, copy, disclose or take any action based on this message or any information herein. If you have received this message in error, please advise the sender immediately by reply e-mail and delete this message.

APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION

INITIAL PHOTOGRAPHS





EXCAVATION PHOTOGRAPHS







FINAL PHOTOGRAPHS





APPENDIX V

LABORATORY REPORTS



March 05, 2024

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

RE: MARQUARDT 11H, 12H, 17H, 18H CTB (MAR)

Enclosed are the results of analyses for samples received by the laboratory on 02/29/24 10:50.

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/ga/lab accred certif.html.

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

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

Celey D. Keine

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



Analytical Results For:

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

Received: 02/29/2024

03/05/2024

Sampling Date:

02/29/2024

Reported: Project Name:

Sampling Type:

Soil

Project Number:

MARQUARDT 11H, 12H, 17H, 18H CTB (I NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

CIMAREX - EDDY COUNTY, NM

Sample ID: S - 1 2' (H241010-01)

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	03/01/2024	ND	2.06	103	2.00	2.11	
Toluene*	<0.050	0.050	03/01/2024	ND	2.10	105	2.00	2.94	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.10	105	2.00	3.00	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.30	105	6.00	3.09	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	6 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/01/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2024	ND	197	98.6	200	6.48	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	194	96.8	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	82.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.9	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/29/2024 Reported:

03/05/2024 Sampling Type: Sampling Condition:

Project Name: MARQUARDT 11H, 12H, 17H, 18H CTB (I Project Number: NONE GIVEN

Project Location: CIMAREX - EDDY COUNTY, NM Sampling Date: 02/29/2024

Sample Received By:

Cool & Intact Tamara Oldaker

Soil

Sample ID: S - 2 2' (H241010-02)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.06	103	2.00	2.11	
Toluene*	<0.050	0.050	03/01/2024	ND	2.10	105	2.00	2.94	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.10	105	2.00	3.00	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.30	105	6.00	3.09	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/01/2024	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	03/01/2024	ND	197	98.6	200	6.48	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	194	96.8	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/29/2024 Reported: 03/05/2024

03/05/2024 Sampling Type: MARQUARDT 11H, 12H, 17H, 18H CTB (I Sampling Condition:

Analyzed By: JH

Project Name: MARQUARDT 11H, 12H, 17H, 18H CTB (I Project Number: NONE GIVEN

mg/kg

Project Location: CIMAREX - EDDY COUNTY, NM

Sampling Date: 02/29/2024
Sampling Type: Soil

Sample Received By:

Cool & Intact Tamara Oldaker

Sample ID: S - 3 2' (H241010-03)

BTEX 8021B

	9/	9	7						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.06	103	2.00	2.11	
Toluene*	<0.050	0.050	03/01/2024	ND	2.10	105	2.00	2.94	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.10	105	2.00	3.00	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.30	105	6.00	3.09	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/01/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2024	ND	197	98.6	200	6.48	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	194	96.8	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	80.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/29/2024 Reported: 03/05/2024

03/05/2024 MARQUARDT 11H, 12H, 17H, 18H CTB (I

Project Name: MARQUARDT Project Number: NONE GIVEN

Project Location: CIMAREX - EDDY COUNTY, NM

mg/kg

Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 4 2' (H241010-04)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.06	103	2.00	2.11	
Toluene*	<0.050	0.050	03/01/2024	ND	2.10	105	2.00	2.94	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.10	105	2.00	3.00	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.30	105	6.00	3.09	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/01/2024	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	03/01/2024	ND	197	98.6	200	6.48	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	194	96.8	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	85.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.4	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

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

Received: 02/29/2024 Reported:

03/05/2024 MARQUARDT 11H, 12H, 17H, 18H CTB (I

Project Name: Project Number: NONE GIVEN

Project Location: CIMAREX - EDDY COUNTY, NM Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: S - 5 2' (H241010-05)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.06	103	2.00	2.11	
Toluene*	<0.050	0.050	03/01/2024	ND	2.10	105	2.00	2.94	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.10	105	2.00	3.00	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.30	105	6.00	3.09	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/01/2024	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	03/01/2024	ND	197	98.6	200	6.48	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	194	96.8	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	83.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/29/2024 Reported: 03/05/2024

03/05/2024 MARQUARDT 11H, 12H, 17H, 18H CTB (I

Project Name: MARQUARDT Project Number: NONE GIVEN

Project Location: CIMAREX - EDDY COUNTY, NM

ma/ka

Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 1 2' (H241010-06)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.06	103	2.00	2.11	
Toluene*	<0.050	0.050	03/01/2024	ND	2.10	105	2.00	2.94	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.10	105	2.00	3.00	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.30	105	6.00	3.09	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/01/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2024	ND	197	98.6	200	6.48	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	194	96.8	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	82.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.2	% 49.1-14	8						

Analyzed By: 14

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Analytical Results For:

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

Received: 02/29/2024 Reported:

03/05/2024

Project Name: MARQUARDT 11H, 12H, 17H, 18H CTB (I Project Number: NONE GIVEN

Project Location: CIMAREX - EDDY COUNTY, NM Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

Sample ID: SW - 2 2' (H241010-07)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.22	111	2.00	3.10	
Toluene*	<0.050	0.050	03/01/2024	ND	2.19	110	2.00	2.34	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.13	107	2.00	2.22	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.37	106	6.00	1.72	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/01/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2024	ND	197	98.6	200	6.48	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	194	96.8	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	72.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/29/2024 Reported: 03/05/2024

03/05/2024 Sampling Type:

Analyzed By: 14

Project Name: MARQUARDT 11H, 12H, 17H, 18H CTB (I Project Number: NONE GIVEN

Project Location: CIMAREX - EDDY COUNTY, NM

ma/ka

Sampling Date: 02/29/2024

Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 3 2' (H241010-08)

RTFY 8021R

Result <0.050	Reporting Limit	Analyzed	Method Blank	BS	0/ 5			
<0.050				DS.	% Recovery	True Value QC	RPD	Qualifier
	0.050	03/01/2024	ND	2.22	111	2.00	3.10	
<0.050	0.050	03/01/2024	ND	2.19	110	2.00	2.34	
<0.050	0.050	03/01/2024	ND	2.13	107	2.00	2.22	
<0.150	0.150	03/01/2024	ND	6.37	106	6.00	1.72	
<0.300	0.300	03/01/2024	ND					
103	% 71.5-13	4						
mg,	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
96.0	16.0	03/01/2024	ND	432	108	400	3.64	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	03/01/2024	ND	197	98.6	200	6.48	
<10.0	10.0	03/01/2024	ND	194	96.8	200	7.74	
<10.0	10.0	03/01/2024	ND					
83.7	% 48.2-13	4						
79.8	% 49.1-14	8						
	<0.050 <0.050 <0.050 <0.150 <0.300 103 mg/ Result 96.0 mg/ Result <10.0 <10.0 <83.7	<0.050 0.050 <0.050 0.050 <0.150 0.150 <0.300 0.300 103	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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Analytical Results For:

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

Received: 02/29/2024 Reported: 03/05/2024

03/05/2024 Sa MARQUARDT 11H, 12H, 17H, 18H CTB (I Sa

Project Name: MARQUARDT Project Number: NONE GIVEN

Project Location: CIMAREX - EDDY COUNTY, NM

mg/kg

Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 4 2' (H241010-09)

BTEX 8021B

DILX GOZID	11197	- Kg	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.22	111	2.00	3.10	
Toluene*	<0.050	0.050	03/01/2024	ND	2.19	110	2.00	2.34	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.13	107	2.00	2.22	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.37	106	6.00	1.72	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/01/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2024	ND	197	98.6	200	6.48	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	194	96.8	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	83.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.4	% 49.1-14	8						

Analyzed By: JH

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Analytical Results For:

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

Received: 02/29/2024 Reported:

03/05/2024 MARQUARDT 11H, 12H, 17H, 18H CTB (I

Project Name: Project Number: NONE GIVEN

Project Location: CIMAREX - EDDY COUNTY, NM Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SW - 5 2' (H241010-10)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.22	111	2.00	3.10	
Toluene*	<0.050	0.050	03/01/2024	ND	2.19	110	2.00	2.34	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.13	107	2.00	2.22	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.37	106	6.00	1.72	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/01/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2024	ND	197	98.6	200	6.48	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	194	96.8	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	73.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.2	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/29/2024 Reported: 03/05/2024

03/05/2024 MARQUARDT 11H, 12H, 17H, 18H CTB (I

Project Name: MARQUARDT Project Number: NONE GIVEN

Project Location: CIMAREX - EDDY COUNTY, NM

Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 6 2' (H241010-11)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.22	111	2.00	3.10	
Toluene*	<0.050	0.050	03/01/2024	ND	2.19	110	2.00	2.34	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.13	107	2.00	2.22	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.37	106	6.00	1.72	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/01/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2024	ND	197	98.6	200	6.48	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	194	96.8	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	86.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/29/2024 Reported: 03/05/2024

03/05/2024

Project Name: MARQUARDT 11H, 12H, 17H, 18H CTB (I

Project Number: NONE GIVEN

Project Location: CIMAREX - EDDY COUNTY, NM

Sampling Date: 02/29/2024

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 7 2' (H241010-12)

		/kg		d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.22	111	2.00	3.10	
Toluene*	<0.050	0.050	03/01/2024	ND	2.19	110	2.00	2.34	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.13	107	2.00	2.22	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.37	106	6.00	1.72	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/01/2024	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2024	ND	197	98.6	200	6.48	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	194	96.8	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	83.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.0	% 49.1-14	8						

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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

ecovery.

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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

(5/5) 353-2320	020 FAA (0/0) 353-20	4/0																	
Company Name: HAR ENTERPRISES	RPRISES						3/18	BILL TO					AN	ANALYSIS		REQ	REQUEST		
Project Manager: M. COLLIER	ER			-	P.O.	#				_	_	-		\dashv	\dashv	\dashv			\neg
Address:				_	Comp	pany	2	Company: CIMMREX				_				_			
City:	State:	Zip:		_	Attn:	HJ	11.	Attn: LACI LUIG				_							
Phone #:	Fax #:			_	Address	:SS						_				_			
Project #:	Project Owner: CIMAREX	CI	MAREX	0	City:							_				_			
Project Name: MARQUAROT II H, IZH, IZH, I&H CTB	(H, 12H, 17H, 18H c	78	(MAR)	(0	State:		2	Zip:											
Project Location: EDDY COUNTY, NIN	אוא, צדט			77	Phone #:	e #:													
Sampler Name: R, 13ELL				77	Fax #:					_	_	_	_		_				
FOR LAB USE ONLY		MP.	MATRIX		PA	PRESERV	?	SAMPLING	ING			25							
Lab I.D. Sam	Sample I.D.	(G)RAB OR (C)OM	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE	OTHER : ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	BTEX	TPH	CHLORIDE				7			
1-5	22.	_	×	-	_	_	_	1-29-24		X		×		Н	Н	Н			
or la					+	+	+	_		_	_	+			t	+			
h-5 h														Ħ					
5.5		I		F	H		+			-				T		Н			
7 50-2					+		-			-	-		+	Ť	+	+			
8 Sw.3							-							1	+	+			
							+						T			+			
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Relinquished By: MMR		Rec	Received By:	0	1	The	al a	A.	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	e emai	Yes led. P	□ No lease prov	Add'	Add'l Phone #: ide Email addre	idress				
Relinguished By:	Date: Time:	Rec	Received By:	3	1				REMARKS: PG	-	0F2	~							
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C Corrected Temp. °C	11	Sample Condition Cool Infact Yes Yes	dition of the s		CHECKED BY:	(Initials)		Turnaround Time: Thermometer ID #113 Correction Factor -0.836	ime:	1 20	Standard Rush #140	_00	C Bac	Bacteria (only Cool Intact	ly) S	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	ndition d Temp. °C	

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Company Name:				BILL TO	70	1		ANA	ANALYSIS REQUEST	IECT	
Project Manager:			9.	P.O. #:		╛					1
Address:			Co	Company:		_			_		
city: Opt	State:	Zip:	Attn:	n:							
Phone #:	Fax #:		Ad	Address:					_		
Project #:	Project Owner:	.7	City:	y:							
Project Name:			Sta	State: Zip:							
Project Location:			Ph	#					_	_	
Sampler Name:			Fa	Fax #:							
FOR LAB USE ONLY			MATRIX	PRESERV.	SAMPLING						
	Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER	SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER :	DATE TIME	BTEX	TPH CHLORIDES				
SW-6	אַן	-		×	M-K-C	×					\perp
12 Sw-1	32.	C .	×	× 2-%	ከ- የ- የ	×	×				
DE CORRESPONDE LA CORRESPONDA DE COR											
analyses, All claims including those for negligenore and any other cause whatsoever shall be deemed waked in contract or tort, shall be limited to the amount paid by the client for the service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, afficients or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whyther such claim is based upon any of the above stated reasons or otherwise.	and any other cause whatsoever shall be end any other cause whatsoever shall be didental or consequental damages, including the performance of services hereunder by Ca	eoy to any claim arising whether b shall be deerned waived unless mu including without limitation, busines ider by Cardinal, regardless of wha	mether based in contract or fort, shall be limited to inless made in writing and received by Cardinal wil- , business interruptions, loss of use, or loss of pro ss of whighter such claim is based upon any of the	shall be limited to the an ed by Cardinal within 30 use, or loss of profits incu d upon any of the above	the amount paid by the client for the hin 30 days after completion of the fits incurred by client, its subsidiarie above stated reasons or otherwise	r the he applicable iries, se,					
Manual By:	11me; 657 194	Received By:	Marca A		All Results are	s are emai	Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: All Results are emailed. Please provide Email address:	Add'l F ovide Ema	Add'l Phone #: de Email address:		
Rejiriquished By:	Date: Time:	Received By:			REMARKS: PL	s: P6 ;	Lof 2				
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4,0		Sample Condition Cool Intact Yes Yes	CHECKED BY:		Id Time: er ID #448 Factor =9.8	Turnaround Time: Standard Rush Thermometer ID #413 #440 Correction Factor #8.8°C #440		Bacteria (only) S Cool Intact Yes Yes	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	

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

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

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

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

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

QUESTIONS

Action 324703

QUESTIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	324703
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2402475049
Incident Name	NAPP2402475049 MARQUARDT FEDERAL 11H,12H,17H,18H CTB @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Marquardt Federal 11H,12H,17H,18H CTB
Date Release Discovered	01/13/2024
Surface Owner	Federal

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	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Valve Produced Water Released: 6 BBL Recovered: 2 BBL Lost: 4 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)	On January 11, 2024, the Lease Operator arrived on location and found the water tank load line hose was left hooked up and the valve cracked allowing 5.5 barrels produced water to release inside and outside lined containment. The valve was immediately closed and a vac truck dispatched to recover standing fluid. An environmental consultant will be contacted and impacted soils remediated in the coming weeks. Released: 5.5 barrels water (1.5 barrels inside containment + 4 barrels outside containment) Recovered: 1.5 barrels from containment

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

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

QUESTIONS, Page 2

Action 324703

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	1 Fe, NM 87505
QUESTI	IONS (continued)
Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd Midland, TX 79706	OGRID: 162683 Action Number: 324703 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)	No, according to supplied volumes this does not appear to be 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.	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 s	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.
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releate the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Laci Luig Title: ES&H Specialist

Email: DL_PermianEnvironmental@coterra.com

Date: 03/19/2024

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

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 324703

QUESTIONS (continued)

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	324703
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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)	Less than or equal 25 (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 1 and 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 1 and 5 (mi.)
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 ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

vided to the appropriate district office no later than 90 days after the release discovery date.		
Yes		
mination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Yes		
No		
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
288		
0		
0		
0		
0		
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
02/29/2024		
02/29/2024		
02/29/2024		
1850		
0		
1850		
80		
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.		
,		

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

QUESTIONS, Page 4

Action 324703

QUESTIONS (continued)

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	324703
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
(Ex Situ) Excavation and 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.	

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

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

I hereby agree and sign off to the above statement

Name: Laci Luig Title: ES&H Specialist

Email: DL_PermianEnvironmental@coterra.com

Date: 03/19/2024

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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QUESTIONS, Page 5

Action 324703

QUESTIONS (continued)

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	324703
	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

District I

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QUESTIONS, Page 6

Action 324703

QUESTIONS (continued)

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd	Action Number:
Midland, TX 79706	324703
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	317837
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/29/2024
What was the (estimated) number of samples that were to be gathered	12
What was the sampling surface area in square feet	1400

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	1850			
What was the total volume (cubic yards) remediated	80			
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)	Dug and hauled all contamination on pad and replaced and leveled with clean caliche. Reclamation and revegetation will occur during P/A activities.			

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

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

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

Title: ES&H Specialist
Email: DL_PermianEnvironmental@coterra.com
Date: 03/19/2024

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QUESTIONS, Page 7

Action 324703

QUESTIONS (continued)

Operator:	OGRID:
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6001 Deauville Blvd	Action Number:
Midland, TX 79706	324703
	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 324703

CONDITIONS

Operator:	OGRID:
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6001 Deauville Blvd	Action Number:
Midland, TX 79706	324703
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
bhall	Remediation closure approved. A Reclamation report will need to be submitted when the areas is no reasonably needed for production or drilling activities. A reclamation report will not be accepted until reclamation of the release area is complete and meets the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	4/23/2024
bhall	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. 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.	4/23/2024
bhall	Subsequent to the approval of a reclamation report, a revegetation report will need to be submitted. A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	4/23/2024
bhall	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	4/23/2024
bhall	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	4/23/2024