

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

Remediation and Closure Report

White City 8 Federal #002H Incident# nAB1812343928 Eddy 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

March 18, 2024

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

Subject: **Remediation and Closure Report**

White City 8 Federal #002H

Eddy County, NM

Dear Mr. Bratcher,

Cimarex Energy Co. 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 White City 8 Federal #002H is located approximately 17 miles South of Carlsbad, New Mexico. The legal location for this release is Unit Letter M, Section 08, Township 25 South and Range 27 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.138238 North and -104.220461 West. Site plans are presented in Appendix ١.

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 Ector-Reagan association 0 to 9 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 42-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 42 Feet/BGS ⊠No Yes Within 300 feet of any continuously flowing watercourse or any other significant watercourse Yes No 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 potential area, the closure criteria for this site are as follows:

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

Incident Description

On April 08, 2018, it was discovered that a 4-inch poly flowline developed a hole causing the release of 10 barrels (bbls) of produced water onto the well pad. A total of 0 bbls were recovered.

Site Assessment and Reclamation Activities

H&R mobilized personnel to begin site assessment, sampling, and reclamation activities of the location. Composite 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 table below. Confirmation sampling locations and excavation dimensions can be found on the Confirmation Sample Map in Appendix I. Photographic documentation of the project 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 DRO mg/kg mg/kg		MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19 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	3.5'	ND	ND	ND	ND	ND	0	224
SW-1	2/29/2024	3.5'	ND	ND	ND	ND	ND	0	32
SW-2	2/29/2024	3.5'	ND	ND	ND	ND	ND	0	208
SW-3	2/29/2024	3.5'	ND	ND	ND	ND	ND	0	208
SW-4	2/29/2024	3.5'	ND	ND	ND	ND	ND	0	208

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

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

- The impacted area in the vicinity of sample point S-1 was excavated to a total depth of 3.5-feet BGS.
- Composite confirmation samples were obtained from the bottom and sidewalls of the excavated area every 200-square foot to verify that all contaminants above closure criteria had been removed.
- All the excavated material (approximately 35 cu.yds.) was hauled to Lea Land, a NMOCD approved solid waste disposal facility.
- The excavated area on the well pad was backfilled with new caliche at depth and brought to grade, machine compacted and contoured to match the surrounding location.

H&R Enterprises, LLC (575) 909-0326 / (575) 605-3471

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Based on the site assessment, 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

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 Report

APPENDIX I

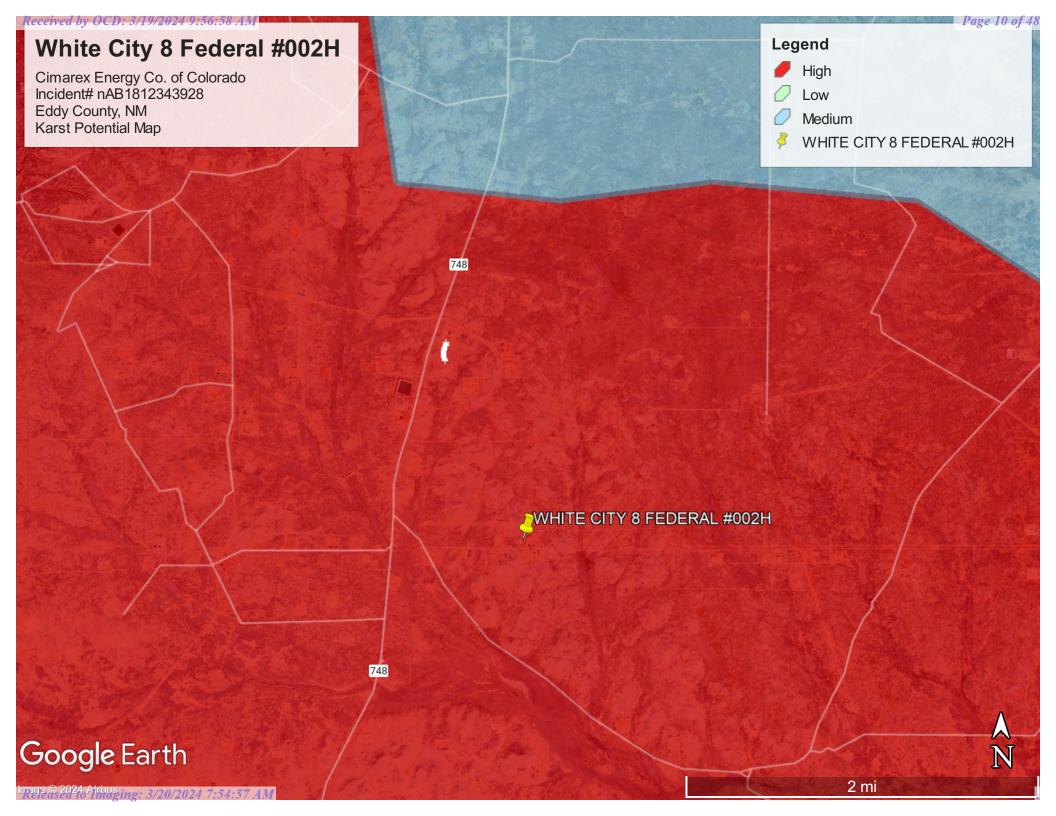
SITE MAPS

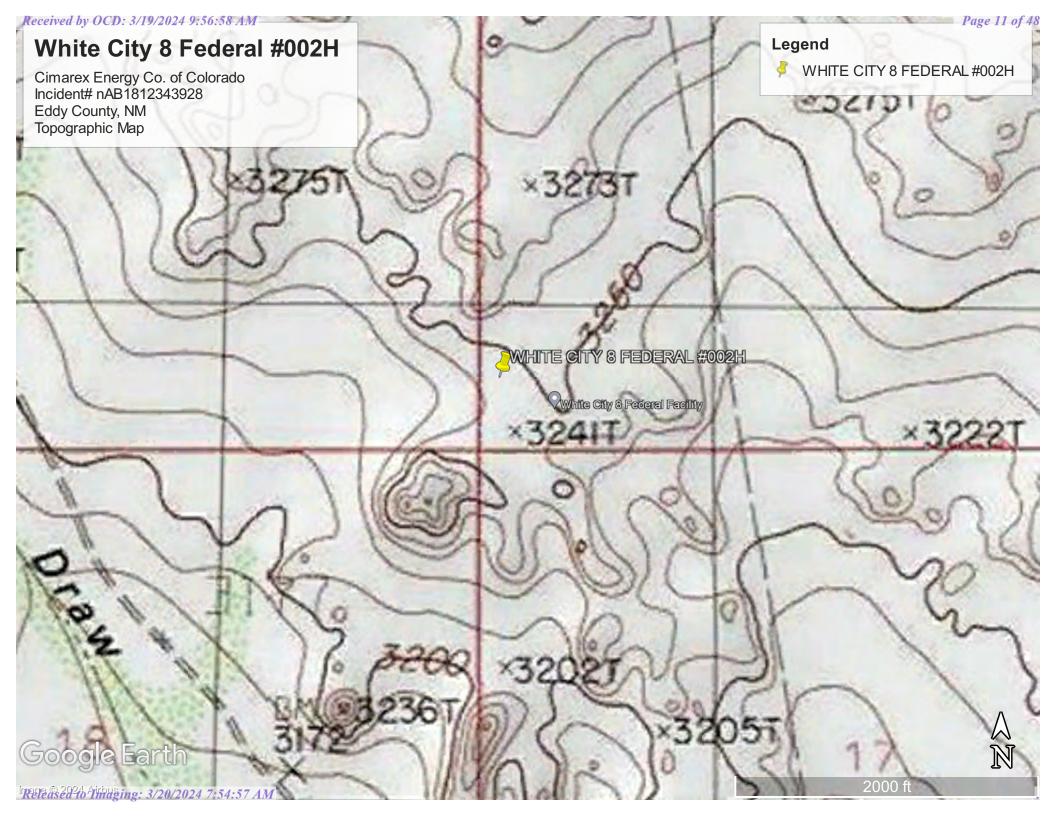
KARST POTENTIAL MAP

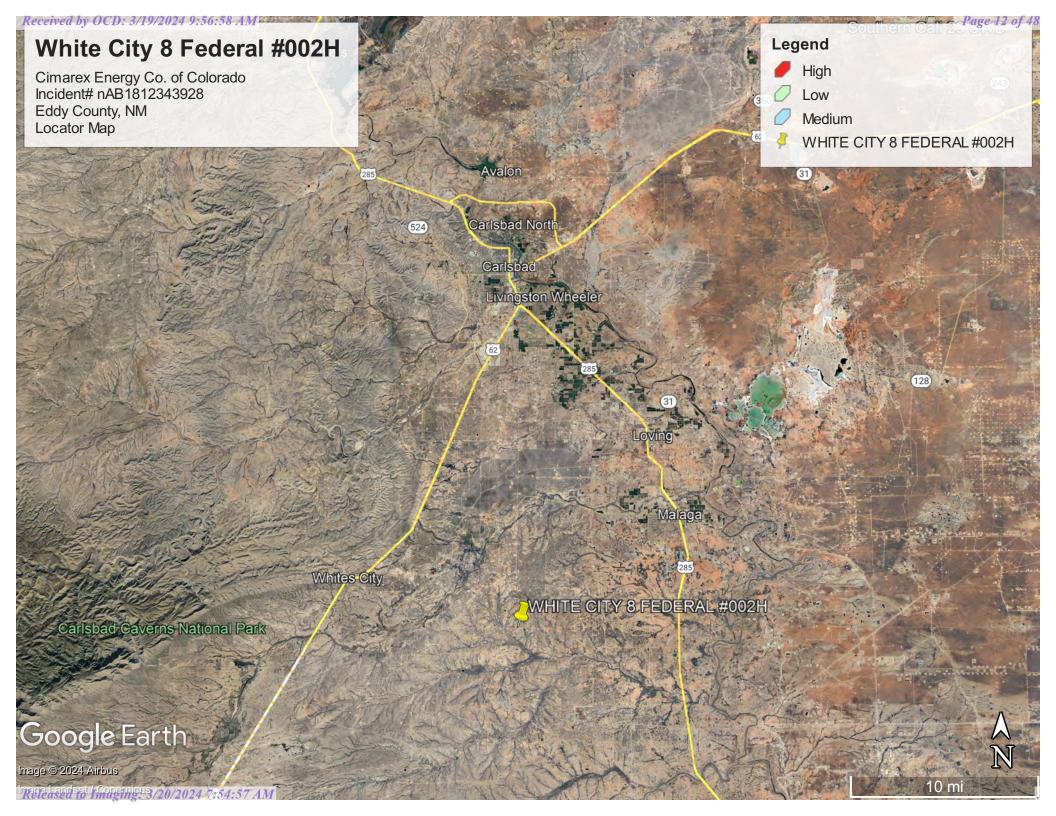
TOPOGRAPHIC MAP

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,

C=the file is closed)

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

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

		POD													
		Sub-		_	Q	_	~	_							ater
POD Number	Code		County							X	Y	-	pthWellDept	hWater Co	lumn
C 03261 POD1		CUB	ED	3	2	1	20	25S	27E	574007	3554006*	2097	351		
C 03654 POD1		CUB	ED	2	3	1	24	25S	26E	570654	3553773	3644			
<u>C 02221</u>		CUB	ED	4	3	2	25	25S	26E	571412	3551961*	4587	35		
C 03569 POD1		CUB	ED	2	1	1	14	25S	26E	568862	3555746	4653	30	0	30
C 03262 POD1		CUB	ED	2	1	2	22	25S	27E	577837	3554244*	4689	75		
<u>C 01013</u>		C	ED			4	25	25S	26E	571505	3551456*	5004	245		
<u>C 02220</u>		CUB	ED	3	1	2	26	25S	26E	569598	3552352*	5375	35		
C 03655 POD3		CUB	ED	1	4	4	22	25S	26E	568458	3553019	5884			
<u>C 01841</u>		C	ED			1	29	24S	27E	573806	3561953*	5917	150		
<u>C 00819</u>		C	ED		4	4	26	24S	26E	570022	3560935*	6005	62	42	20
C 04329 POD1		C	ED	2	2	2	27	25S	26E	568577	3552567	6031	57	14	43
C 04078 POD1		CUB	ED	3	4	1	33	25S	27E	575667	3550363	6076	157	20	137
C 03200 POD1		C	ED	2	3	4	34	24S	26E	568206	3559349	6246	80	52	28
C 04586 POD1		C	ED	4	1	1	35	24S	26E	568993	3560476	6325	150		
C 04079 POD1		CUB	ED	1	2	3	33	25S	27E	575658	3550092	6327	226	20	206
<u>C 01089</u>		C	ED	3	4	1	03	25S	26E	567505	3558398*	6446	96	45	51
<u>C 01368</u>		C	ED		1	1	22	25S	26E	567261	3554059*	6552	143	118	25
C 03264 POD1		CUB	ED	2	1	2	02	25S	27E	579391	3559099*	6631			
<u>C_02588</u>		C	ED	3	4	3	33	25S	27E	575645	3549575*	6812	81	19	62
											Averag	ge Depth to Wa	ter:	36 fee	t

Minimum Depth:

0 feet

Maximum Depth:

118 feet

Record Count: 19

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 573506 **Radius:** 7000 **Northing (Y):** 3556043

*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.

3/8/24 8:41 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Eddy Area, New Mexico

ER—Ector-Reagan association, 0 to 9 percent slopes

Map Unit Setting

National map unit symbol: 1w4d Elevation: 1,100 to 5,400 feet

Mean annual precipitation: 6 to 18 inches

Mean annual air temperature: 58 to 70 degrees F

Frost-free period: 180 to 240 days

Farmland classification: Not prime farmland

Map Unit Composition

Ector and similar soils: 65 percent Reagan and similar soils: 25 percent Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Ector

Setting

Landform: Ridges, 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 limestone

Typical profile

H1 - 0 to 6 inches: very cobbly loam H2 - 6 to 60 inches: bedrock

Properties and qualities

Slope: 0 to 9 percent

Depth to restrictive feature: 4 to 20 inches to lithic bedrock

Drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.06 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 60 percent Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0

mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 0.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: D

Ecological site: R042CY158NM - Very Shallow

Hydric soil rating: No

Description of Reagan

Setting

Landform: Fan remnants, alluvial fans Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 8 inches: loam H2 - 8 to 32 inches: loam H3 - 32 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 50 percent

Gypsum, maximum content: 20 percent

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

8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 15.0

Available water supply, 0 to 60 inches: Moderate (about 8.2

inches)

Interpretive groups

Land capability classification (irrigated): 2e Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

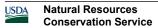
Minor Components

Ector

Percent of map unit: 4 percent

Ecological site: R042CY158NM - Very Shallow

Hydric soil rating: No



Map Unit Description: Ector-Reagan association, 0 to 9 percent slopes---Eddy Area, New Mexico

Upton

Percent of map unit: 3 percent Ecological site: R070BC025NM - Shallow Hydric soil rating: No

Pima

Percent of map unit: 3 percent Ecological site: R070BC017NM - Bottomland Hydric soil rating: No

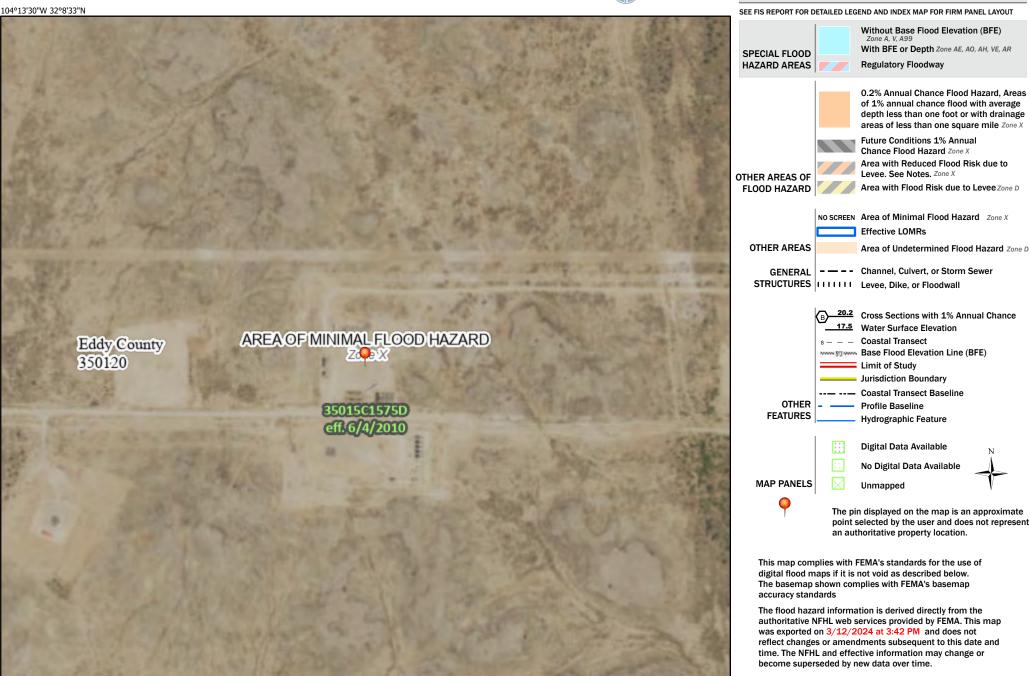
Data Source Information

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

National Flood Hazard Layer FIRMette







104°12'53"W 32°8'2"N

APPENDIX III

C-141

NMOCD CORRESPONDENCE

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

State of New Mexico **Energy Minerals and Natural Resources**

MAY 0 3 2018

Form C-141 Revised August 8, 2011

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

DISTRICTIFAR PROPERTY ASSESSMENT OF THE PROPERTY OF THE PROPER

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		enfeld Ste 60		d TX			No. 432-853-70)59					
Facility Na	me White	City 8 Fed 2	H			Facility Typ	be production						
Surface Ov	vner BLM			Mineral (Owner				API No	. 30-015-	41609		
				LOC	ATION	OF RE	LEASE						
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/W	est Line	County			
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							e -104.219825	1					
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Type of Rele Source of Re		eed water					Release 10 BBI Hour of Occurrence			Recovered Hour of Dis			
Poly flowlin						4/30/2018	four of Occurrent	ce	4/30/2013		covery	У	
Was Immed			1 2 -			If YES, To							
			Yes L	No □ Not R	equired	100 100 100	M. Bratcher						
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If a Waterco	urse was Im	pacted, Descr	ribe Fully.										
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Test posy six	SWING GOVE	roped a noic i	cicusing i	o bots of produce	d water c	into location	pud. 110 Hulus II	CIO HOIO	10 00 1000	rotou.			
D	1.00-1-1	1.01	A 41 - 70-1										
The impacte	d soils will	and Cleanup . be sampled ar	Action Tak	en. of work will be d	leveloped	and submitt	ed.						
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should their	operations b	nave failed to	adequately	investigate and	remediate	contaminat	ion that pose a thi	reat to gr	ound wate	r. surface w	ater, h	uman hea	alth
or the enviro	nment. In a	ddition, NM	OCD accep				e the operator of						
federal, state	, or local la	ws and/or reg	ulations.										
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Signature:	husty	ie ald	ermas	1_					1.				
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Title: ESH S	Supervisor				- 1	Approval Da	te: 5 3 18	I	expiration	Date: NI	H	-	_
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			T. V. F. Co.					Locale	h	Attache	1,50	473	21
Date: 5/3/2	2018	Phone: 432-	853-7059				See at	MUTU	W	0	KI	412	11

Date: 5/3/2018 Phone: 432-853-7059 * Attach Additional Sheets If Necessary

Operator/Responsible Party,

The OCD has received the form C-141 you provided on <u>5/3/2018</u> regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number <u>2RP-473</u> has been assigned. Please refer to this case number in all future correspondence.

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete <u>division-approved corrective action</u> for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District $\underline{2}$ office in $\underline{ARTESIA}$ on or before $\underline{6/3/2018}$. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- •Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.
- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.
- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold
OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

Bratcher, Mike, EMNRD

From:

Christine Alderman <calderman@cimarex.com>

Sent:

Thursday, May 3, 2018 9:37 AM

To:

Bratcher, Mike, EMNRD; stucker@blm.gov

Subject:

White City 8 Fed 2H (30-015-41609)

Attachments:

20180503102950023.pdf

Good morning,

We had a produced water release at The above named lease on 4/30/2018. A 4" poly flowline developed a hole and released approximately 10 bbls of fluid onto the location pad. No fluids were able to be recovered. I will have Tetra Tech assess and obtain samples to develop a scope of work for your approval.

Please find attached the C-141 for this release. Please let me know if you have any questions.

Respectfully,

Christine Alderman

Cimarex Energy Co.



ESH Supervisor – Permian Basin Midland TX Cell – 432.853.7059 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: 317840

Date: Tuesday, February 27, 2024 11:44:46 AM

FYI...

Laci Luig (432) 208-3035

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

Sent: Tuesday, February 27, 2024 7:58 AM

To: DL_Permian Environmental < DL_PermianEnvironmental@coterra.com>

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

ID: 317840

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#) nAB1812343928.

The sampling event is expected to take place:

When: 02/29/2024 @ 09:00

Where: M-08-25S-27E 330 FSL 330 FWL (32.1382141,-104.2198257)

Additional Information: Michael Collier - 575-909-0326

Additional Instructions: 32.138405, -104.220628

GPS take you right to area

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.

<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 317840

QUESTIONS

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
6001 Deauville Blvd	Action Number:
Midland, TX 79706	317840
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1812343928
Incident Name	NAB1812343928 2018 MINOR A SWS @ 30-015-41609
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-41609] WHITE CITY 8 FEDERAL #002H

Location of Release Source							
Site Name	Unavailable.						
Date Release Discovered	04/30/2018						
Surface Owner	Federal						

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	800
What is the estimated number of samples that will be gathered	7
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/29/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Michael Collier - 575-909-0326
Please provide any information necessary for navigation to sampling site	32.138405, -104.220628 GPS take you right to area

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1625 N. French Dr., Hobbs, NM 88240
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District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

CONDITIONS

Action 317840

CONDITIONS

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
6001 Deauville Blvd	Action Number:
Midland, TX 79706	317840
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

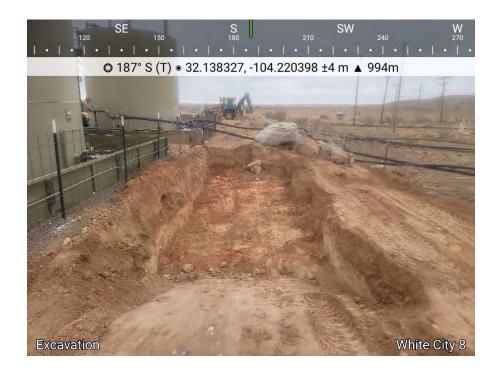
Create	d Condition	Condition
Ву		Date
lluig	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/27/2024

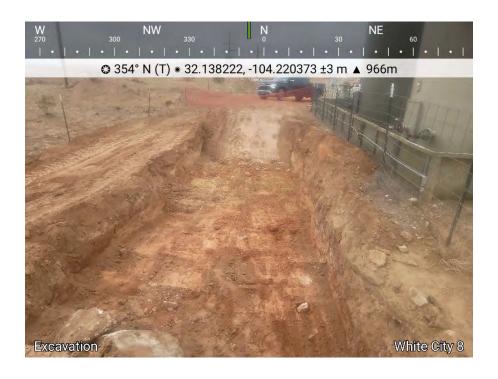
APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION

PHOTOGRAPHIC DOCUMENTATION

EXCAVATION PHOTOGRAPHS





PHOTOGRAPHIC DOCUMENTATION

FINAL PHOTOGRAPHS





APPENDIX V

LABORATORY REPORTS



March 05, 2024

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

RE: WHITE CITY 8 FEDERAL 2H CTB

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 Sampling Date: 02/29/2024

Reported: 03/05/2024 Sampling Type: Soil

Project Name: WHITE CITY 8 FEDERAL 2H CTB Sampling Condition: Cool & Intact
Project Number: (W.C.) Sample Received By: Tamara Oldaker

Project Location: CIMAREX- EDDY CO NM

Sample ID: S - 1 3.5' (H241011-01)

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	103	% 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	224	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	85.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.4	% 49.1-14	8						

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Celey D. Keene

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 Sampling Date: 02/29/2024

Reported: 03/05/2024 Sampling Type: Soil

Project Name: WHITE CITY 8 FEDERAL 2H CTB Sampling Condition: Cool & Intact
Project Number: (W.C.) Sample Received By: Tamara Oldaker

Project Location: CIMAREX- EDDY CO NM

Sample ID: SW - 1 3.5' (H241011-02)

very True Value QC RPD Qualifier
2.00 3.10
2.00 2.34
2.00 2.22
6.00 1.72
very True Value QC RPD Qualifier
400 3.64
very True Value QC RPD Qualifier
200 6.48
200 7.74

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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 Sampling Date: 02/29/2024

Reported: 03/05/2024 Sampling Type: Soil

Project Name: WHITE CITY 8 FEDERAL 2H CTB Sampling Condition: Cool & Intact
Project Number: (W.C.) Sample Received By: Tamara Oldaker

Project Location: CIMAREX- EDDY CO NM

Sample ID: SW - 2 3.5' (H241011-03)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	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	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/01/2024	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	79.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.5	% 49.1-14	8						

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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: 02/29/2024 Sampling Date: 02/29/2024

Reported: 03/05/2024 Sampling Type: Soil

Project Name: WHITE CITY 8 FEDERAL 2H CTB Sampling Condition: Cool & Intact Project Number: (W.C.) Sample Received By: Tamara Oldaker

CIMAREX- EDDY CO NM Project Location:

Sample ID: SW - 3 3.5' (H241011-04)

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, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/01/2024	ND	416	104	400	3.77	
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	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.3	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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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 Sampling Date: 02/29/2024

Reported: 03/05/2024 Sampling Type: Soil

Project Name: WHITE CITY 8 FEDERAL 2H CTB Sampling Condition: Cool & Intact
Project Number: (W.C.) Sample Received By: Tamara Oldaker

Project Location: CIMAREX- EDDY CO NM

Sample ID: SW - 4 3.5' (H241011-05)

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: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/01/2024	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	73.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.9	% 49.1-14	18						

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Celey D. Kreene

Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-232	(575) 393-2326 FAX (575) 393-2476]
Project Manager: M., COLLICK		P.O.#		ANALISIS NEGOESI	1
Address:		Company: CIMAREX			
City:	State: Zip:	Attn: LAU LUIG			
Phone #:	Fax#:	Address:			
Project #:	Project Owner: CIMAREX	City:			
Project Name: WHITE CITY & FEDERAL IH CTB	(w.c _y)	State: Zip:			
Project Location: EDDY COWTY, N.M.		Phone #:			
Sampler Name: R. BELL		Fax #:			
	D. MATRIX	PRESERV. SAMPLING	G		
Lab I.D. Samp	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	BTEX TPH CHLORIDES		
/ 5-1 3.5	×	×	×××		
2 Sw-1		-			
3 Sw-7					
LEASE NOTE: Liability and Damages. Cardinal's liability and Damages. Cardinal's liability and Damages. Cardinal's liabyear. All claims including those for negligence and a ranker. In no event shall Cardinal be liable for incident and the same successors arising out of or salable for the new control of the same statements.	ly and client's exclusive remedy for any claim arising whether by other cause whatsoever shall be deemed walved unless many other cause whatsoever shall be deemed walved unless many other cause whatsoever shall be deemed by business of consequential manages, including without limitation, business of what was the consequence of consequ	t fort, shall be limited to the amount paid by the received by Cardinal within 30 days after comes of use, or loss of profits incurred by Client, I besend upon any of the above stated received.	ne client for the phetion of the applicable its subsidiaries,		
Relinquished By:	Date: Received By	We the state of th	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	Add'I Phone #: ide Email address:	
Relinquished By:	Date: Received By:	RE	REMARKS: 96 [05]		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C * Sample Condition Cool Intact Corrected Temp. °C Ares Tyes	CHECKED BY:	Turnaround Time: Standard Rush Thermometer ID #413— #1/4/0	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	

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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 324581

QUESTIONS

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
6001 Deauville Blvd	Action Number:
Midland, TX 79706	324581
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1812343928
Incident Name	NAB1812343928 WHITE CITY 8 FEDERAL #002H @ 30-015-41609
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-41609] WHITE CITY 8 FEDERAL #002H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	WHITE CITY 8 FEDERAL #002H
Date Release Discovered	04/30/2018
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	
Material(s) released, please answer all that apply below. Any calculations or specific justifications fo	or 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: Equipment Failure Flow Line - Production Produced Water Released: 10 BBL Recovered: 0 BBL Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

District I
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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 324581

<u>District IV</u> 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	Fe, NM 87505
QUESTI	ONS (continued)
Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099 Action Number: 324581 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	afety 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.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of led or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe 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

Name: Laci Luig Title: ES&H Specialist I hereby agree and sign off to the above statement Email: DL_PermianEnvironmental@coterra.com Date: 03/19/2024

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

QUESTIONS, Page 3

Action 324581

QUESTIONS (continued)

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
6001 Deauville Blvd	Action Number:
Midland, TX 79706	324581
	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 approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (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 ar	nd 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)	Greater than 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

ded to the appropriate district office no later than 90 days after the release discovery date.
Yes
ination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Yes
No
in milligrams per kilograms.)
224
0
0
0
0
npleted efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
02/29/2024
02/29/2024
02/29/2024
187
0
187
35
n 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.

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QUESTIONS, Page 4

Action 324581

QUESTIONS (continued)

Operator:	OGRID:
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6001 Deauville Blvd	Action Number:
Midland, TX 79706	324581
	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 324581

QUESTIONS (continued)

Operator:	OGRID:
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6001 Deauville Blvd	Action Number:
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	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 324581

QUESTIONS (continued)

Operator:	OGRID:
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	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	317840
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	7
What was the sampling surface area in square feet	800

Only answer the questions in this group if seeking remediation closure for this release because all re	emediation 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	187
What was the total volume (cubic yards) remediated	35
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)	Area of impact was excavated and contaminated soil was sent to disposal. Site was backfilled and leveled with clean caliche behind the tank battery. 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

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

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QUESTIONS, Page 7

Action 324581

QUESTIONS (continued)

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	[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 324581

CONDITIONS

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	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	Closure Report Approved. The reclamation report needs 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 1 foot of suitable material to establish vegetation at the site, whichever is greater; and a plan	3/20/2024