

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

Site Assessment and Closure Report

Federal 13 Com #002 Incident# nJMW1224849818 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

August 18, 2023

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Mr. Mike Bratcher **NMOCD** 1220 S. St. Francis Dr. Santa Fe, NM 87505

Subject: Site Assessment and Closure Report

Federal 13 Com #002 Eddy County, NM

Dear Mr. Bratcher,

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

Site Information

The Federal 13 Com #002 is located approximately 18.1 miles South of Carlsbad, New Mexico. The legal location for this release is Unit Letter K, Section 13, Township 25 South and Range 26 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.1269608 North and -104.2504272 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 44-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 44 Feet/BGS No Yes Within 300 feet of any continuously flowing watercourse or any other significant watercourse ⊠No Within 200 feet of any lakebed, sinkhole, or a playa lake Yes No Within 300 feet from an occupied permanent residence, school, Yes hospital, institution, or church ⊠No Yes Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes ⊠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 \bowtie No Within 300 feet of a wetland Yes \bowtie No Within the area overlying a subsurface mine ⊠Yes No Within an unstable area Yes \boxtimes No Within a 100-year floodplain

As this is an assessment in a high karst as well as being in an area with a depth to groundwater of less than 50-feet BGS, the closure criteria for this site is as follows:

| Table 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 October 11, 2010, it was discovered that a fiberglass tank was leaking fluid due to a malfunctioning level controller being stuck. This caused the release of 33 barrels (bbls) of produced water to be released into the lined containment. A total of 30 bbls were recovered.

Site Assessment and Reclamation Activities

H&R mobilized personnel to begin site assessment, sampling, and reclamation activities of the location. Grab samples were obtained by way of hand auger, transported to Cardinal Laboratory for analysis and the results of that analysis are presented in the following data table. Initial site assessment sampling locations are illustrated on Site Assessment Map, Appendix I. Photographs of the location are attached in Appendix IV. Complete laboratory reports can be found in Appendix V.

Table 1: Initial Soil Samples Analysis

| Sample ID | Sample Date | Depth (BGS) | BTEX mg/kg | Benzene mg/kg | GRO mg/kg | DRO mg/kg | MRO mg/kg | Total TPH mg/kg | Cl mg/kg |
|------------|--------------------------|----------------|---------------|------------------|--------------|--------------|--------------|--------------------|-------------|
| NMOCD Tabl | e 1 Closure Crit NMAC | eria 19.15.29 | , 6, 6 | | 100 mg/kg | | | 100 mg/kg | 600 mg/kg |
| S-1 | 8/7/2023 | 0-0.5' | ND | ND | ND | ND | ND | 0 | 64 |
| S-2 | 8/7/2023 | 0-0.5' | ND | ND | ND | ND | ND | 0 | 64 |
| S-3 | 8/7/2023 | 0-0.5' | ND | ND | ND | ND | ND | 0 | 48 |
| S-4 | 8/7/2023 | 0-0.5' | ND | ND | ND | ND | ND | 0 | 48 |
| S-5 | 8/7/2023 | 0-0.5' | ND | ND | ND | ND | ND | 0 | 64 |

ND = Analyte Not Detected S = Sample Point

Based on the results of our site assessment, we believe the impact was removed during previous remediation and reclamation activities and no further action is needed.

Closure

Based on the site assessment activities and 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,

Michael Collier

H&R Enterprises, LLC

Michael Collier

Environmental Project Manager

Attachments:

Appendix I Site Maps

Appendix II Soil Survey, Groundwater Data

Appendix III Initial and Final C-141

Appendix IV Photographic Documentation

Appendix V Laboratory Reports

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APPENDIX I

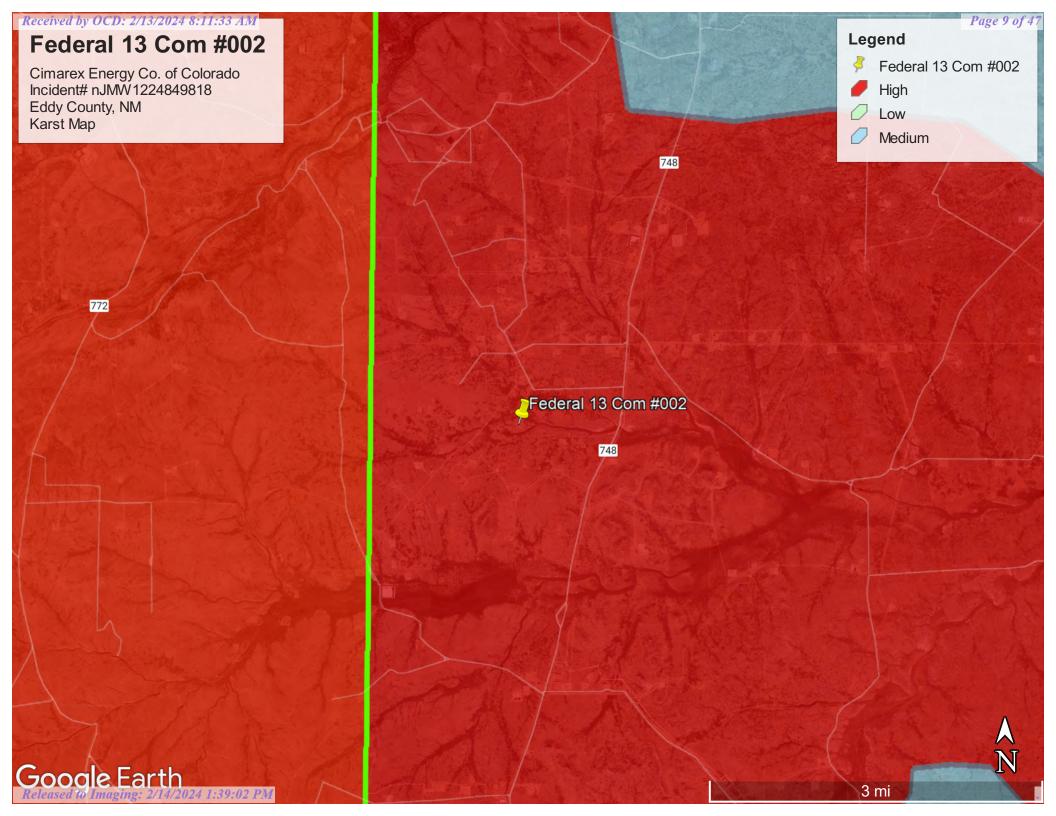
SITE MAPS

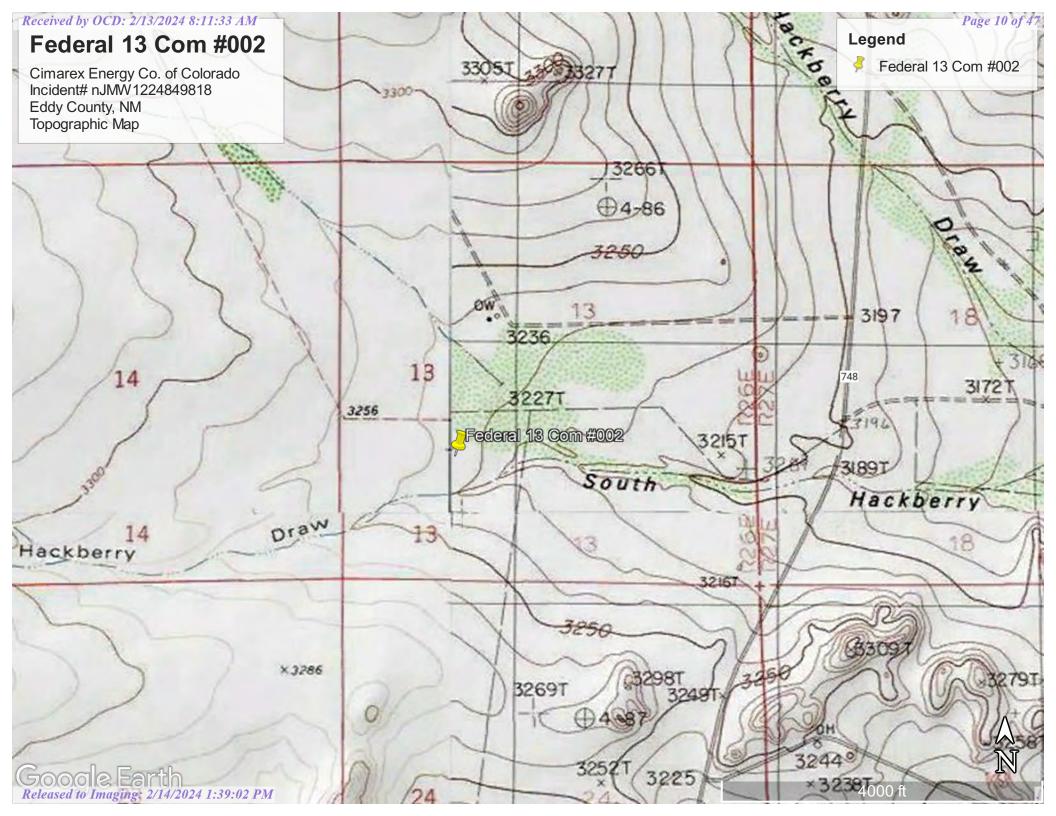
KARST MAP

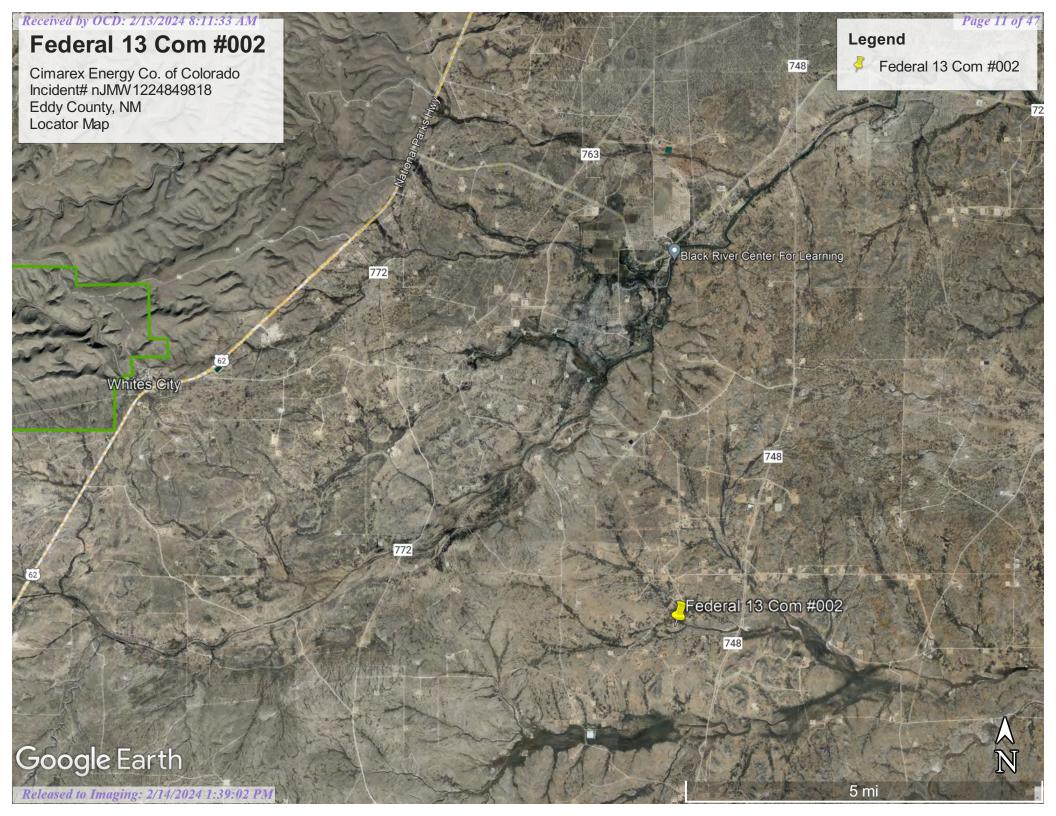
TOPOGRAPHIC MAP

LOCATOR MAP









APPENDIX II

GROUNDWATER DATA

SOIL SURVEY



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)

| | POI Sub | | QQ | Q | | | | | | | W | ⁷ ater |
|----------------|------------|----------|-------|-------|-----|-----|--------|----------|------------|------------|------------|-------------------|
| POD Number | Code basi | n County | 64 16 | 4 Sec | Tws | Rng | X | Y | DistanceDe | pthWellDep | thWater Co | lumn |
| C 03654 POD1 | CUI | B ED | 2 3 | 1 24 | 25S | 26E | 570654 | 3553773 | 1001 | | | |
| C 03569 POD1 | CUI | B ED | 2 1 | 1 14 | 25S | 26E | 568862 | 3555746 | 2110 | 30 | 0 | 30 |
| <u>C 02220</u> | CUI | B ED | 3 1 | 2 26 | 25S | 26E | 569598 | 3552352* | 2672 | 35 | | |
| C 03655 POD3 | CUI | B ED | 1 4 | 4 22 | 25S | 26E | 568458 | 3553019 | 2871 | | | |
| <u>C 02221</u> | CUI | B ED | 4 3 | 2 25 | 25S | 26E | 571412 | 3551961* | 2890 | 35 | | |
| C 04329 POD1 | С | ED | 2 2 | 2 27 | 25S | 26E | 568577 | 3552567 | 3083 | 57 | 14 | 43 |
| C 03261 POD1 | CUI | B ED | 3 2 | 1 20 | 25S | 27E | 574007 | 3554006* | 3362 | 351 | | |
| <u>C 01013</u> | С | ED | | 4 25 | 25S | 26E | 571505 | 3551456* | 3403 | 245 | | |
| <u>C 01368</u> | C | ED | 1 | 1 22 | 25S | 26E | 567261 | 3554059* | 3544 | 143 | 118 | 25 |
| <u>C 01089</u> | C | ED | 3 4 | 1 03 | 25S | 26E | 567505 | 3558398* | 4855 | 96 | 45 | 51 |

Average Depth to Water:

44 feet

Minimum Depth:

0 feet

Maximum Depth:

118 feet

Record Count: 10

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 570733 Northing (Y): 3554771 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.

8/18/23 12:12 PM

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

Largo

Percent of map unit: 5 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Reagan

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 18, Sep 8, 2022

APPENDIX III

INITIAL C-141

FINAL C-141

1625 N French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Biazos Road, Aztec, NM 87410 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

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

RECEIVED

AUG 2 0 2012

Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate

NMOCD ARTESIA to Office in accordance
with Rule 116 on back side of form

| | | | | | 11111 1 0, 1 1111 0 7 3 | 05 | | | |
|--------------|----------|------------|----------|---------------|---------------------------------------|---------------|----------------|---------------------------------------|---------------------|
| | (| | | ease Notific | cation and Co | rrective A | ction | ٠., | |
| MMLn | 1224 | 849818 | | | OPERA' | ГOR | 🛛 Initia | al Report_ | ☐ Final Report |
| Name of Co | mpany | Cimarex Er | ergy 10 | 02683 | Contact | Terry D. A | Ainsworth | | |
| Address | 600 Mari | enfeld Mid | land, TX | 79701 | Telephone I | No. (575) 39 | 0-1388 | | |
| Facility Nar | ne Feder | ral 13 Com | 2 | | Facility Typ | e | | | |
| Surface Ow | ner | | | Mineral C |)wner | | | lo. NM 4 | |
| | | | | LOCA | ATION OF RE | LEASE | APE# | 30-015- | · <i>3</i> 3344 |
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County | |
| K | 13 | 25S | 26E | South | 1565' | West | 1400' | Eddy | |
| | | I | L | | · · · · · · · · · · · · · · · · · · · | | | · · · · · · · · · · · · · · · · · · · | |

Latitude____Longitude____ NATURE OF RELEASE Produced Water 33 BBLS 30 BBLS Type of Release Volume of Release Volume Recovered Source of Release fiberglass tank failure Date and Hour of Occurrence Date and Hour of Discovery 10/11/2010 10/11/2010 sometime during the night 9 AM Was Immediate Notice Given? If YES, To Whom? ☐ Yes ☒ No ☐ Not Required I didn't call anyone or do a report back then because we thought as long as it was contained inside the berm it was not recordable. We know better By Whom? Date and Hour Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ☒ No If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* We had snap acting level controllers on the 3 phase production separator and it stuck in the open position hitting the FG tank with 900+ PSI It shook the bottom out of the tank releasing one foot of water inside the lined bermed area. We called a vacuum truck and picked up what we could and hauled to a public disposal Describe Area Affected and Cleanup Action Taken.* We changed out the snap acting level controllers with throttling controllers and set a 500 PSI Flash separator with a 200 PSI back pressure valve. So now our high pressure vessel dumps through the flash separator. So now we should never have high pressure at the tanks. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other

federal, state, or local laws and/or regulations. OIL CONSERVATION DIVISION Signature: Approved by District Supervisor: Printed Name: Terry D. Ainsworth SEP 0 4 2012

Approval Date: Title: Production Foreman Expiration Date: E-mail Address: tainsworth@cimarex com Conditions of Approval: Attached 8/20/2012 Date: Phone: (575) 390-1388 Remediation per OCD Rules & Guidelines. SUBMIT REMEDIATION

October 4th 2012

^{*} Attach Additional Sheets If Necessary

Bratcher, Mike, EMNRD

From: Terry Ainsworth <TAinsworth@cimarex.com>

Sent: Monday, August 20, 2012 2:01 PM

To: tgregsto@blm.gov

Cc: Bratcher, Mike, EMNRD; Terri Stathem; Kim Barton

Subject: Federal 13 Com 2 produced water spill (2010 spill)

Attachments: Federal 13-2.doc



Terry D. Ainsworth

Production Foreman Permian Basin Region

Cimarex Energy

cell (575) 390-1388 Office (575) 628-3447 fax (575) 628-3566 Received by OCD: 2/13/2024 8:11:33 AM Form C-141 State of New Mexico
Page 3 Oil Conservation Division

| | Page 19 of 47 |
|----------------|---------------|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

Site Assessment/Characterization

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

| What is the shallowest depth to groundwater beneath the area affected by the release? | (ft bgs) |
|--|-----------------------|
| Did this release impact groundwater or surface water? | ☐ Yes ☐ No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | ☐ Yes ☐ No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | ☐ Yes ☐ No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | ☐ Yes ☐ No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | ☐ Yes ☐ No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ☐ Yes ☐ No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes ☐ No |
| Are the lateral extents of the release within 300 feet of a wetland? | ☐ Yes ☐ No |
| Are the lateral extents of the release overlying a subsurface mine? | ☐ Yes ☐ No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | ☐ Yes ☐ No |
| Are the lateral extents of the release within a 100-year floodplain? | ☐ Yes ☐ No |
| Did the release impact areas not on an exploration, development, production, or storage site? | ☐ Yes ☐ No |
| Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics. | tical extents of soil |
| Characterization Report Checklist: Each of the following items must be included in the report. | |
| Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody | ls. |

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

Received by OCD: 2/13/2024 8:11:33 AM State of New Mexico Oil Conservation Division Page 4

| Page | <i>20</i> | of | 47 |
|------|-----------|----|----|
| | | | Ì |

| Incident ID | |
|----------------|--|
| District RP | |
| Facility ID | |
| Application ID | |

| I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a thr addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations. | oCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In |
|---|--|
| Printed Name: | _ Title: |
| Signature: | Date: |
| email: | Telephone: |
| OCD Only Received by: | Date: |

Received by OCD: 2/13/2024 8:11:33 AM
Form C-141 State of New Mexico
Page 6 Oil Conservation Division

| | Page 21 of 4 | 7 |
|----------------|--------------|---|
| Incident ID | | |
| District RP | | |
| Facility ID | | |
| Application ID | | |

Closure

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

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

| A scaled site and sampling diagram as described in 19.15.29.1 | 1 NMAC |
|--|---|
| Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection) | of the liner integrity if applicable (Note: appropriate OCD District office |
| ☐ Laboratory analyses of final sampling (Note: appropriate ODC | C District office must be notified 2 days prior to final sampling) |
| ☐ Description of remediation activities | |
| | |
| and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of | mediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for utions. The responsible party acknowledges they must substantially notitions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete. |
| | |
| Signature: | |
| email: | Telephone: |
| | |
| OCD Only | |
| Received by: | Date: |
| | of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations. |
| Closure Approved by: | Date: |
| Printed Name: | Title: |

Ashton Thielke

From: Ashton Thielke

Sent: Tuesday, July 11, 2023 9:26 AM

To: Hall, Brittany, EMNRD

Cc: Laci Luig

Subject: RE: [EXTERNAL] Federal 13 Com #002 - nGEG0420547165, nJMW1224849818, &

nAB1719137473

Attachments: FEDERAL 13 COM #002 - Proposed Sampling Map (07.11.2023).jpg

Good morning yall,

After discussing with Brittany over the phone, attached is a new amended sampling map to better understand the area of the 2017 release (in yellow on the map) and confirm that no contamination remains onsite.

Sampling will be conducted in the next few weeks.

Thanks!



Ashton Thielke | PBU - Environmental Consultant

T: 432.813.8988 | M: 281.753.5659 | Ashton.Thielke@coterra.com | www.coterra.com Coterra Energy Inc. | 6000 Deauville Blvd., Suite 300N | Midland, TX 79706

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

From: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>

Sent: Friday, July 7, 2023 12:51 PM

To: Ashton Thielke <Ashton.Thielke@coterra.com>

Cc: Laci Luig < Laci.Luig@coterra.com>

Subject: RE: [EXTERNAL] Federal 13 Com #002 - nGEG0420547165, nJMW1224849818, & nAB1719137473

Yeah that should work. I will block the time on my calendar.

Have a good weekend!

Brittany Hall • Environmental Specialist Environmental Bureau Projects Group EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87110 505.517.5333 | Brittany.Hall@emnrd.nm.gov http://www.emnrd.nm.gov/ocd/

From: Ashton Thielke < Ashton. Thielke@coterra.com >

Sent: Friday, July 7, 2023 11:47 AM

To: Hall, Brittany, EMNRD < Brittany.Hall@emnrd.nm.gov>

Cc: Laci Luig < Laci.Luig@coterra.com >

Subject: Re: [EXTERNAL] Federal 13 Com #002 - nGEG0420547165, nJMW1224849818, & nAB1719137473

Unfortunately, I am on the road today but can do a call Monday or anytime next week to discuss! Adding boreholes is no problem at all! Does 10 am (mst) work for Monday?



Ashton Thielke | PBU - Environmental Consultant

T: 432.813.5347 | M: 281.753.5659 | ashton.thielke@coterra.com | www.coterra.com

Coterra Energy Inc. | 600 N. Marienfeld Street, Suite 600 | Midland, TX 79701

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021

From: Hall, Brittany, EMNRD < Brittany. Hall@emnrd.nm.gov >

Sent: Friday, July 7, 2023 12:44:17 PM

To: Ashton Thielke < Ashton. Thielke@coterra.com>

Cc: Laci Luig < Laci.Luig@coterra.com >

Subject: RE: [EXTERNAL] Federal 13 Com #002 - nGEG0420547165, nJMW1224849818, & nAB1719137473

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.

Sorry Ashton, I didn't forget about this just haven't had the time to look at it until now.

We will need to add a few more bore holes to this in order to get a better characterization of this site.

Do you have some time to talk this afternoon? Some time after 1 but before 3 New Mexico time?

Thanks,

Brittany Hall • Environmental Specialist Environmental Bureau Projects Group EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87110 505.517.5333 | Brittany.Hall@emnrd.nm.gov http://www.emnrd.nm.gov/ocd/

From: Ashton Thielke < Ashton. Thielke@coterra.com>

Sent: Monday, June 26, 2023 2:42 PM

To: Hall, Brittany, EMNRD < Brittany.Hall@emnrd.nm.gov>

Cc: Laci Luig < Laci.Luig@coterra.com >

Subject: [EXTERNAL] Federal 13 Com #002 - nGEG0420547165, nJMW1224849818, & nAB1719137473

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

Good afternoon Brittany,

Can you review the email below and give me a call to discuss steps needed to close out all of these incidents. Based off of my research, here are my findings below in chronological order:

Attached is the closure report written to the BLM that encompasses the area affected by multiple incidents noted below. (nGEG0420547165 & nAB1719137473)

nGEG0420547165 - 7.23.2004 - Open

19 bbl Diesel spill. *Under notes section OCD website states, "Operator handled – No Compliance Written"*
Based off of aerial imagery, area mentioned above was located within the sample points (WES21-03 & WES21-07). *See attached BLM Closure Report, page 6*

Both areas were excavated to a depth of 3.0' with no detection of Hydrocarbons.

nJMW1224849818 - 10.11.2010 - Open

33 bbl Produced Water Spill Inside the lined earthen containment.

30 bbl recovered. Lost 3 bbl in the dirt.

nAB1621441144 - 7.25.2016 - Closed

40 bbl Oil spill inside the lined earthen containment.

30 bbl recovered. Lost 10 bbl to the dirt that was subsequently picked up. This site has been closed.

nAB1719137473 - 6.28.2017 - Open

20 bbl Produced Water Flowline release on pad.

0 bbl recovered.

2.7.2019 - Well Plug and Abandoned

4.5.2020 - BLM NOV

Need to reclaim pad due to chlorides leaching to the surface in various locations.

10.5.2021 - Reclamation begins

Horizontally and vertically delineated and excavated entire site to depths ranging from 3.0'-11.0' in accordance with the approved BLM reclamation workplan using the strictest NMOCD closure criteria.

See attached BLM Closure Report as well as BLM approval of Closure Report

Where I begin (the fun stuff):

1)

nAB1621441144 – **7.25.2016** – **Closed.** This was a spill inside the plastic lined earthen containment that was closed out. Since this spill took place after and at the same exact spot as "**nJMW1224849818** – **10.11.2010** – **Open**", Cimarex requests this incident be considered closed as any impacted material left from the original spill response in 2010 was removed in 2016 as well as removed in 2021 (during reclamation).

2)

nAB1719137473 - 6.28.2017 - Open & nGEG0420547165 - 7.23.2004 - Open

The above mentioned spills occurred on the pad and were both removed during excavation and reclamation operations. The pad was excavated between depths of 3.0' - 11.0' and samples at those depths were below the strictest NMOCD closure criteria.

Please review the attached approved BLM Closure Report and see if you concur. My goal is to close out the 2 open incidents related to our reclamation efforts.

Due to current site conditions (revegetation and berms/barbed wire for no access to site) and work performed during reclamation, Coterra has reason to believe that any environmental impact remains onsite.

Give me a call once you have reviewed all attached documents.

Thanks!!!



Ashton Thielke | PBU - Environmental Consultant
T: 432.813.8988 | M: 281.753.5659 | Ashton.Thielke@coterra.com | www.coterra.com

Coterra Energy Inc. | 6000 Deauville Blvd., Suite 300N | Midland, TX 79706

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

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APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION

PHOTOGRAPHIC DOCUMENTATION

SITE ASSESSMENT PHOTOGRAPHS



S-1



PHOTOGRAPHIC DOCUMENTATION

SITE ASSESSMENT PHOTOGRAPHS



S-3



S-4

PHOTOGRAPHIC DOCUMENTATION

SITE ASSESSMENT PHOTOGRAPHS



S-5

APPENDIX V

LABORATORY REPORTS



August 14, 2023

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

RE: FEDERAL 13 COM #002 (FED 13 2010)

Enclosed are the results of analyses for samples received by the laboratory on 08/08/23 13:35.

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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



08/07/2023

Analytical Results For:

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

Received: 08/08/2023 Sampling Date:

Reported: 08/14/2023 Sampling Type: Soil
Project Name: FEDERAL 13 COM #002 (FED 13 2010) Sampling Condition: Coo

Project Name: FEDERAL 13 COM #002 (FED 13 2010) Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Shari Cisneros

Analyzed By: MS

Project Location: CIMAREX - EDDY COUNTY, NM

mg/kg

Sample ID: S - 1 0-0.5' (H234242-01)

BTEX 8021B

| BIEX GOEED | 9/ | 9 | Analyze | a 2 y . 1 . 0 | | | | | |
|--------------------------------------|--------|-----------------|------------|---------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/11/2023 | ND | 2.18 | 109 | 2.00 | 0.590 | |
| Toluene* | <0.050 | 0.050 | 08/11/2023 | ND | 2.10 | 105 | 2.00 | 0.0357 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/11/2023 | ND | 2.01 | 101 | 2.00 | 0.778 | |
| Total Xylenes* | <0.150 | 0.150 | 08/11/2023 | ND | 6.03 | 100 | 6.00 | 1.07 | |
| Total BTEX | <0.300 | 0.300 | 08/11/2023 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 93.1 | % 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 | 64.0 | 16.0 | 08/10/2023 | ND | 432 | 108 | 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 | 08/10/2023 | ND | 168 | 83.8 | 200 | 2.04 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/10/2023 | ND | 154 | 76.8 | 200 | 0.382 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/10/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 64.0 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 63.5 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 08/08/2023 Reported:

Sampling Date: 08/07/2023 08/14/2023 Sampling Type: Soil

Project Name: FEDERAL 13 COM #002 (FED 13 2010) Sampling Condition: Cool & Intact Sample Received By: Shari Cisneros

Project Number: NOT GIVEN

Project Location: CIMAREX - EDDY COUNTY, NM

Sample ID: S - 2 0-0.5' (H234242-02)

| BTEX 8021B | mg/ | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/11/2023 | ND | 2.18 | 109 | 2.00 | 0.590 | |
| Toluene* | <0.050 | 0.050 | 08/11/2023 | ND | 2.10 | 105 | 2.00 | 0.0357 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/11/2023 | ND | 2.01 | 101 | 2.00 | 0.778 | |
| Total Xylenes* | <0.150 | 0.150 | 08/11/2023 | ND | 6.03 | 100 | 6.00 | 1.07 | |
| Total BTEX | <0.300 | 0.300 | 08/11/2023 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 95.9 | % 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 | 64.0 | 16.0 | 08/10/2023 | ND | 432 | 108 | 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 | 08/10/2023 | ND | 168 | 83.8 | 200 | 2.04 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/10/2023 | ND | 154 | 76.8 | 200 | 0.382 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/10/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 68.1 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 67.5 | % 49.1-14 | 8 | | | | | | |

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Celey D. Keene



Analytical Results For:

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

Received: 08/08/2023 Reported:

08/14/2023

Project Name: FEDERAL 13 COM #002 (FED 13 2010)

Project Number: NOT GIVEN

Project Location: CIMAREX - EDDY COUNTY, NM Sampling Date: 08/07/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Shari Cisneros

Sample ID: S - 3 0-0.5' (H234242-03)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/11/2023 | ND | 2.18 | 109 | 2.00 | 0.590 | |
| Toluene* | <0.050 | 0.050 | 08/11/2023 | ND | 2.10 | 105 | 2.00 | 0.0357 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/11/2023 | ND | 2.01 | 101 | 2.00 | 0.778 | |
| Total Xylenes* | <0.150 | 0.150 | 08/11/2023 | ND | 6.03 | 100 | 6.00 | 1.07 | |
| Total BTEX | <0.300 | 0.300 | 08/11/2023 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.1 | % 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 | 48.0 | 16.0 | 08/10/2023 | ND | 432 | 108 | 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 | 08/10/2023 | ND | 168 | 83.8 | 200 | 2.04 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/10/2023 | ND | 154 | 76.8 | 200 | 0.382 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/10/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 69.5 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 69.2 | % 49.1-14 | 8 | | | | | | |

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Celey D. Keene



Analytical Results For:

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

Received: 08/08/2023

Sampling Date:

08/07/2023

Reported: Project Name: 08/14/2023

Sampling Type:

Soil Cool & Intact

Project Number:

FEDERAL 13 COM #002 (FED 13 2010)

Sampling Condition: Sample Received By:

Shari Cisneros

During the sections

BTEX 8021B

NOT GIVEN

Project Location: CIMAREX - EDDY COUNTY, NM

Sample ID: S - 4 0-0.5' (H234242-04)

| | 9, | 9 | 7 | 7: : : : | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/11/2023 | ND | 2.18 | 109 | 2.00 | 0.590 | |
| Toluene* | <0.050 | 0.050 | 08/11/2023 | ND | 2.10 | 105 | 2.00 | 0.0357 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/11/2023 | ND | 2.01 | 101 | 2.00 | 0.778 | |
| Total Xylenes* | <0.150 | 0.150 | 08/11/2023 | ND | 6.03 | 100 | 6.00 | 1.07 | |
| Total BTEX | <0.300 | 0.300 | 08/11/2023 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.8 | % 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 | 08/10/2023 | ND | 432 | 108 | 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 | 08/10/2023 | ND | 168 | 83.8 | 200 | 2.04 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/10/2023 | ND | 154 | 76.8 | 200 | 0.382 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/10/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 66.9 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 66.7 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

Analyzed By: MS

Cardinal Laboratories

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Celey D. Kreine



Analytical Results For:

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

Received: 08/08/2023 Reported: 08/14/2023

08/14/2023 Sampling Tyl

Project Name: FEDERAL 13 COM #002 (FED 13 2010)
Project Number: NOT GIVEN

Project Location: CIMAREX - EDDY COUNTY, NM

Sampling Date: 08/07/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: S - 5 0-0.5' (H234242-05)

BTEX 8021B

| | 9, | 9 | 7 | 7 | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 08/11/2023 | ND | 2.02 | 101 | 2.00 | 3.53 | |
| Toluene* | <0.050 | 0.050 | 08/11/2023 | ND | 1.96 | 97.8 | 2.00 | 1.68 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/11/2023 | ND | 1.96 | 98.1 | 2.00 | 4.18 | |
| Total Xylenes* | <0.150 | 0.150 | 08/11/2023 | ND | 5.87 | 97.8 | 6.00 | 4.60 | |
| Total BTEX | <0.300 | 0.300 | 08/11/2023 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 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 | 64.0 | 16.0 | 08/10/2023 | ND | 432 | 108 | 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 | 08/10/2023 | ND | 168 | 83.8 | 200 | 2.04 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/10/2023 | ND | 154 | 76.8 | 200 | 0.382 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/10/2023 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 63.8 | % 48.2-13 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 63.2 | % 49.1-14 | 8 | | | | | | |
| | | | | | | | | | |

Analyzed By: MS

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Freene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| in on the self | (010) 000-4040 1101 | מד ויים | | ANALYSIS REC | REQUEST |
|--|--|---|---|--|--|
| Company Name: H&R Enterprises | | BILL 10 | | | |
| Project Manager: Michael Collier | | | | | |
| Address: | | Company: Cimarex Energy | gy | | _ |
| City: | State: Zip: | Attn: Laci Luig | | | |
| 0 非 | Fax#: | Address: | | _ | _ |
| | Project Owner: Cimarex Energy | gy City: | | | |
| Project Name: Federal 13 Com #002 (Fed 13 | 13 2010) | State: Zip: | | | |
| Project Location: Eddy County, NM | | Phone #: | | | |
| Pamalar Nama: Roy Rell | | Fax#: | | | _ |
| Sampler Maille, noy ben | | MATRIX PRESERV. SAMI | SAMPLING | _ | |
| Lab I.D. | RS ER | | | s | |
| בתכמבכןן | G)RAB OR (C) CONTAINER GROUNDWATI | SOIL DOIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: | BTEX TPH | Chlorides | |
| S-1 0-0.5 | | | XX | × | |
| S-2 0-0.5' | | | | + | |
| 2 8-3 0-0.5 | | | | | |
| S-4 0-0.5 | | | | + | |
| S 8-5 0-0.5° | | | | + | |
| | | | | | |
| | | | + | uh dispose shell be diserred welved | s urinos mado in verinos end received by Cardinal within 30 days attac |
| PLACE NOTE: Liabity and Demogra. Cumben's habity and direct evaluate newey is way case index submit which is because or bot, such let include on the contract part by the direct to the analysis of the part and Cardinal the stake for recipiental or consequental demogra, recursive periods infrastructure, but and the part death Cardinal the stake for recipiental or consequental demograph, recursive periods in part and cardinal the part and the part and the part and cardinal the part and the p | when mimely for any claim atteing whether based in contract or tort, at a recluding without limitation, business interruptions, loss of use, if asvices hareunder by Carolina, regardless of whether such of | or or tort, shall be limited to the armount paid by the client for the -tarbijtens. An one cas of use, or loss of profits incurred by Client, its subsidiarities. Her suich claim is based upon any of the above stated reasons or otherwise. | | | |
| Relinguished By: | Date: A 23 Received By: | CINI MOI) | Verbal Result: All Results are emailed. Pleas | Add'l Phone #: Please provide Email address: | 199 |
| Relinguished By: | Date: Received By: | | REMARKS: PG 1 of 1 | | |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Observed Temp. °C Sa | Sample Condition CHECKED BY: Cool Intagt (Initials) | Ternaround Time: Standard | Bacteria (only) Sample Condition Observed Temp. 'C | |
| | 1.30 | 0 40 0 No | Thermometer ID 1413 # 140 | 00 | O to O has Corrected Temps, "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 313740

QUESTIONS

| Operator: | OGRID: |
|--------------------------------|---|
| CIMAREX ENERGY CO. OF COLORADO | 162683 |
| 6001 Deauville Blvd, Ste 300N | Action Number: |
| Midland, TX 79706 | 313740 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |

QUESTIONS

| Prerequisites | |
|------------------|---|
| Incident ID (n#) | nJMW1224849818 |
| Incident Name | NJMW1224849818 FEDERAL 13 COM #002 @ 30-015-33344 |
| Incident Type | Produced Water Release |
| Incident Status | Remediation Closure Report Received |
| Incident Well | [30-015-33344] FEDERAL 13 COM #002 |

| Location of Release Source | |
|--|---------------------|
| Please answer all the questions in this group. | |
| Site Name | FEDERAL 13 COM #002 |
| Date Release Discovered | 10/11/2010 |
| 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 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 Tank (Any) Produced Water Released: 33 BBL Recovered: 30 BBL Lost: 3 BBL. |
| Is the concentration of chloride in the produced water >10,000 mg/l | Yes |
| Condensate Released (bbls) Details | Not answered. |
| Natural Gas Vented (Mcf) Details | Not answered. |
| Natural Gas Flared (Mcf) Details | Not answered. |
| Other Released Details | Not answered. |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | Not answered. |

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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

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QUESTIONS, Page 2

Action 313740

QUESTIONS (continued)

| Operator: | OGRID: |
|--------------------------------|---|
| CIMAREX ENERGY CO. OF COLORADO | 162683 |
| 6001 Deauville Blvd, Ste 300N | Action Number: |
| Midland, TX 79706 | 313740 |
| | Action Type: |
| | [C-141] Remediation Closure Request C-141 (C-141-v-Closure) |
| OUTOTION O | |

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 | Yes |
| Reasons why this would be considered a submission for a notification of a major release | From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more. |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. | gas only) are to be submitted on the C-129 form. |

| Initial Response | |
|--|---------------|
| The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury. | |
| The source of the release has been stopped | True |
| The impacted area has been secured to protect human health and the environment | True |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True |
| All free liquids and recoverable materials have been removed and managed appropriately | True |
| If all the actions described above have not been undertaken, explain why | Not answered. |

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

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.

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

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

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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, Page 3

Action 313740

QUESTIONS (continued)

| Operator: | OGRID: |
|--------------------------------|---|
| CIMAREX ENERGY CO. OF COLORADO | 162683 |
| 6001 Deauville Blvd, Ste 300N | Action Number: |
| Midland, TX 79706 | 313740 |
| | 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) | 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 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 300 and 500 (ft.) |
| 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 300 and 500 (ft.) |
| Did the release impact areas not on an exploration, development, production, or storage site | No |

| Remediation Plan | |
|---|---|
| Please answer all the questions that apply or are indicated. This informatic | on must be provided to the appropriate district office no later than 90 days after the release discovery date. |
| Requesting a remediation plan approval with this submission | Yes |
| Attach a comprehensive report demonstrating the lateral and vertical exten | ts of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. |
| Have the lateral and vertical extents of contamination been full | y delineated Yes |
| Was this release entirely contained within a lined containment | area No |
| Soil Contamination Sampling: (Provide the highest observable v | value for each, in milligrams per kilograms.) |
| Chloride (EPA 300.0 or SM4500 CI B) | 64 |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) | 0 |
| GRO+DRO (EPA SW-846 Method 8015M | 0 |
| BTEX (EPA SW-846 Method 8021B | or 8260B) 0 |
| Benzene (EPA SW-846 Method 8021E | 3 or 8260B) 0 |
| Per Subsection B of 19.15.29.11 NMAC unless the site characterization rewhich includes the anticipated timelines for beginning and completing the | port includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, remediation. |
| On what estimated date will the remediation commence | 08/07/2023 |
| On what date will (or did) the final sampling or liner inspection | occur 08/07/2023 |
| On what date will (or was) the remediation complete(d) | 08/07/2023 |
| What is the estimated surface area (in square feet) that will be | e reclaimed 0 |
| What is the estimated volume (in cubic yards) that will be recla | aimed 0 |
| What is the estimated surface area (in square feet) that will be | e remediated 0 |
| What is the estimated volume (in cubic yards) that will be reme | ediated 0 |
| These estimated dates and measurements are recognized to be the best gu | ess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. |
| The OCD recognizes that proposed remediation measures may have to be | minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to |

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

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

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

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

QUESTIONS, Page 4

Action 313740

QUESTIONS (continued)

| Operator: | OGRID: |
|--------------------------------|---|
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| | [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.) | 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) | Yes |
| Other Non-listed Remedial Process. Please specify | Site has been previously reclaimed and samples were collected to confirm reclamation efforts. All samples did not exceed remediation/reclamation cleanup standards. See OCD communication in report file. |

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.

Name: Laci Luig
Title: ES&H Specialist
Email: DL_PermianEnvironmental@coterra.com
Date: 02/13/2024

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

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

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811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III 1000 Rio Brazos Rd., Aztec, NM 87410

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

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QUESTIONS, Page 5

Action 313740

QUESTIONS (continued)

| Operator: | OGRID: |
|--------------------------------|---|
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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 No submission

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QUESTIONS, Page 6

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QUESTIONS (continued)

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QUESTIONS

| Sampling Event Information | |
|---|------------|
| Last sampling notification (C-141N) recorded 313367 | |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 08/07/2023 |
| What was the (estimated) number of samples that were to be gathered | 5 |
| What was the sampling surface area in square feet | 4000 |

| 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 | 0 |
| What was the total volume (cubic yards) remediated | 0 |
| 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) | Site has been previously reclaimed and samples were collected to confirm reclamation efforts. All samples did not exceed remediation/reclamation cleanup standards. See OCD communication in report file. |

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: 02/13/2024

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QUESTIONS (continued)

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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 313740

CONDITIONS

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CONDITIONS

| Created By | Condition | Condition Date |
|--------------|-----------|-------------------|
| crystal.walk | None | 2/14/2024 |