



Hudson 30 Fed #4

CLOSURE REPORT

Release Date: 1/26/2015

UL/D Sec 30, T18 south, R33 east, Lea County NM

API # 30-025-34301

May 13, 2015

Prepared by:

Environmental Departme
Diversified Field Service, Inc.
206 West Snyder
Hobbs, NM 88240
Phone: (575)964-8394
Fax: (575)393-839

Cimarex

Table of Contents

- 1 Introduction
- 2 Site Activities
- 3 Conclusion

APPENDICES

Appendix I – Initial Form C-141

Appendix II – Site Phot

Appendix III – Site Map

Appendix IV – Laboratory Analyses

Appendix V – Final C-141

Diversified Field Service, Inc
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394

Cimarex

May 13, 2015

Cimarex Hudson 30 Federal #4

1 INTRODUCTION

Cimarex has retained Diversified Environmental (DFSI) to address environmental issues for the site detailed herein.

The site is located south of highway 529 NM, in Lea County. The leak site resulted from the pumper's failure to request a haul truck to pick up a load of water from the lease. The tank ran over. The impacted area is inside an unlined firewall of the battery. Approx. 30 bbls of produced water was released, and 27 bbls recovered. A C-141 was submitted to the NMOCD on January 27th, 2015. The C-141 is attached.

2 SITE ACTIVITIES

On March 2, 2015 DFSI personnel delineated six sample points of the leak area. Each sample was tested for chlorides levels as well as BTEX. The BTEX samples were performed using a Mini Rae Photoionization Detector (PID). The results are attached (Appendix IV).

DFSI personnel returned to the location to remove 2' of contaminated soil inside the bermed facility. All contaminated material was hauled to an approved disposal facility. New caliche was brought in for backfill of the excavated area. The firewalls were also rebuilt and the location was restored to its previous state

3 CONCLUSION

According to the U.S. Geological Survey and the NM Office of the State Engineer, depth to groundwater in the area averages greater than 150 ft. bgs. Based on the removal of soils containing elevated chloride and hydrocarbon impact, DFSI Environmental, on behalf of Cimarex, respectfully requests the closure of this regulatory file.

Appendix I

INITIAL FORM C-141

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Cimarex Energy	Contact Christine Alderman
Address 600 N Marienfeld Ste 600 Midland TX	Telephone No. 432-853-7059
Facility Name Hudson 30 Fed #4	Facility Type Production

Surface Owner	Mineral Owner	API No. 30-025-34301
---------------	---------------	----------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	30	18S	33E	735	N	660	W	Lea

Latitude 32.7235 Longitude -103.70906

NATURE OF RELEASE

Type of Release Produced water	Volume of Release 30 bbls	Volume Recovered 27 bbls
Source of Release thief hatch of tank	Date and Hour of Occurrence 1/26/15	Date and Hour of Discovery 1/26/15 5:00pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Doc Oberding / Sol Hughes	
By Whom? Christine Alderman	Date and Hour 1/27/15 8:35 am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Pumper failed to request a haul truck to pick up load of water from lease. Tank ran over.

Describe Area Affected and Cleanup Action Taken.*

All fluids confined within an unlined earthen berm. An environmental consultant will be assessing and developing work plan.

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.

Signature: <i>Christine Alderman</i>	OIL CONSERVATION DIVISION	
Printed Name: Christine Alderman	Approved by Environmental Specialist:	
Title: ESH Supervisor	Approval Date:	Expiration Date:
E-mail Address: calderman@cimarex.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1/27/15 Phone: 432-853-7059		

* Attach Additional Sheets If Necessary



Cimarex Energy Co.

Form: Cimarex Incident Report

Hobbs East
2020 W. Bender Blvd
Hobbs NM
88240

v3.0

Phone: +1 (575) 393-1020
Fax:
Client No.: Hobbs E

Completed by: Bishop, Mark
Completed on: 2015-01-23 19:44
Number: XEC01187

-30-025-34301✓

INCIDENT TIMING

Today's Date	2015-01-23
Date of Incident	2015-01-23
Time of Incident	16:00

DEPARTMENT

Select Department	Production
-------------------	------------

REPORTING**REPORTED BY**

First Name	Mark
Last Name	Bishop
Phone Number	575-602-1002

REPORTED TO

First Name	Mark
Last Name	Martino
Phone Number	432-208-3141

Was ES&H notified immediately?

Yes

INCIDENT DETAILS

Operation At Time Of Incident?	Producing
--------------------------------	-----------

LOCATION OF INCIDENT

Where Did Incident Occur?	Lease
---------------------------	-------

Lease Name

Hudson 30 Fed #4

State

NM - New Mexico

City

County

Section-Block-Lat-Long

Section

Township (NM, OK, KS, LA, KY, MI)

Range

Block (TX Only)

GPS Location

D-30-185-33E

735 FNL 660FWL

32.7235 -103.70906

Apple Device

TYPE OF INCIDENT

Type of Incident?	Spill / Release
-------------------	-----------------

Date Spill/Release Discovered

2015-01-23

Time Spill/Release Discovered

16:00

TYPE OF MATERIAL SPILLED/RELEASED (1)

Type of Material Spilled / Released?	Produced Water
Quantity Spilled	30
Quantity Recovered	0
Unit of Measure	Barrels (bbls)

TYPE OF MATERIAL SPILLED/RELEASED (2)

Type of Material Spilled / Released?	
Quantity Spilled	0
Quantity Recovered	0
Unit of Measure	

CAUSE OF SPILL/RELEASE	
Cause of Spill/Release (State the facts only)	Well has 300 bbl water tank. Pumper put lease on will call notification to be hauled. Well is believed to have a casing leak and pumping unit was sped up and is now making up to 190 bbls water per day. There was not enough room in the tank to be hauled on a "will call" basis. Operator error caused the spill.
Was Spill/Release Contained?	Yes
AFFECTED AREA INFORMATION (1)	
What Type of Area Was Affected?	Containment
Type of Containment?	Berm
In Feet, Specify Area Affected (length, width, & depth)	20' x 40'x 3" Unlined earth berm
NOTIFICATIONS	
Has Landowner been Informed?	
Has the State Oil & Gas Commission Been Notified?	
Has the BLM/BIA been notified, if applicable?	
Witnesses to the Incident	
Were there Witnesses to the Incident?	
WEATHER CONDITIONS - If Known	
Outside Air Temperature (deg F)	0
Weather Conditions	
Wind - If Known	
Speed (MPH)	0
Direction	
INCIDENT DESCRIPTION	
Describe the Incident (State the Facts Only)	
CONTRACTORS INVOLVED	
What Contractors were Involved?	
COMMENTS	
Enter any additional comments (facts only)	
PICTURE (1)	
Attach Pictures	
Picture Comment	

Appendix II

SITE PHOTOS

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394

Cimarex, Hudson 30 Federal #4 Photo Page



Sign marking location



Spill area with sample point

Cimarex, Hudson 30 Federal #4 Photo Page



Spill area with sample point



Spill area with sample point

Cimarex, Hudson 30 Federal #4 Photo Page

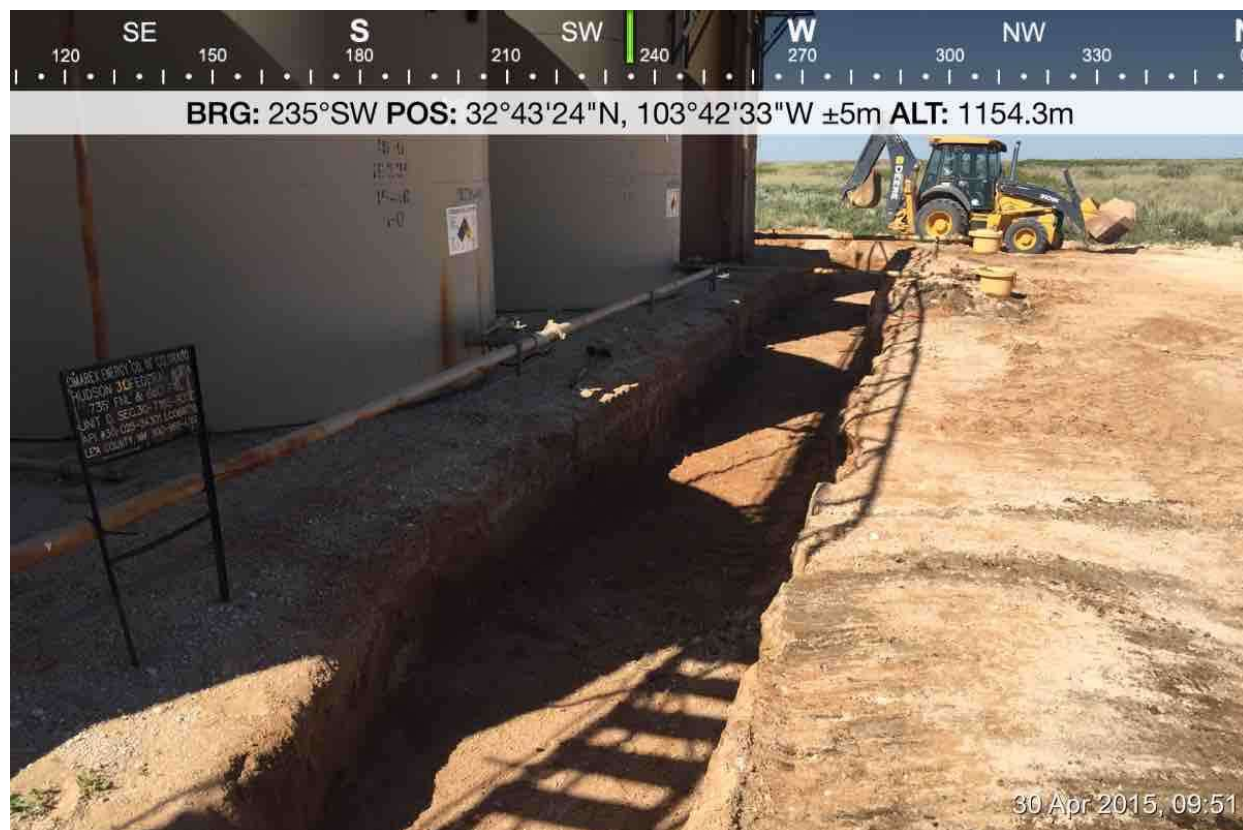


Excavated spill area

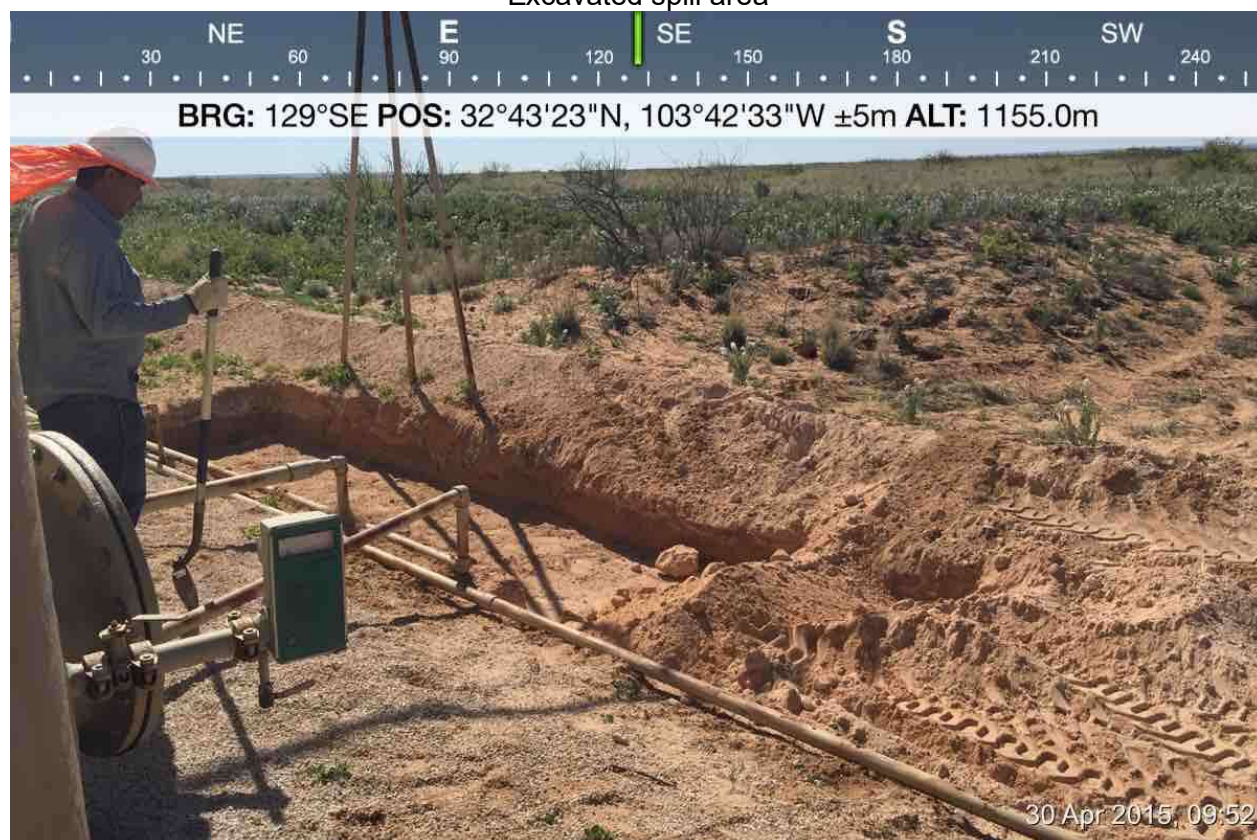


Excavated spill area

Cimarex, Hudson 30 Federal #4 Photo Page

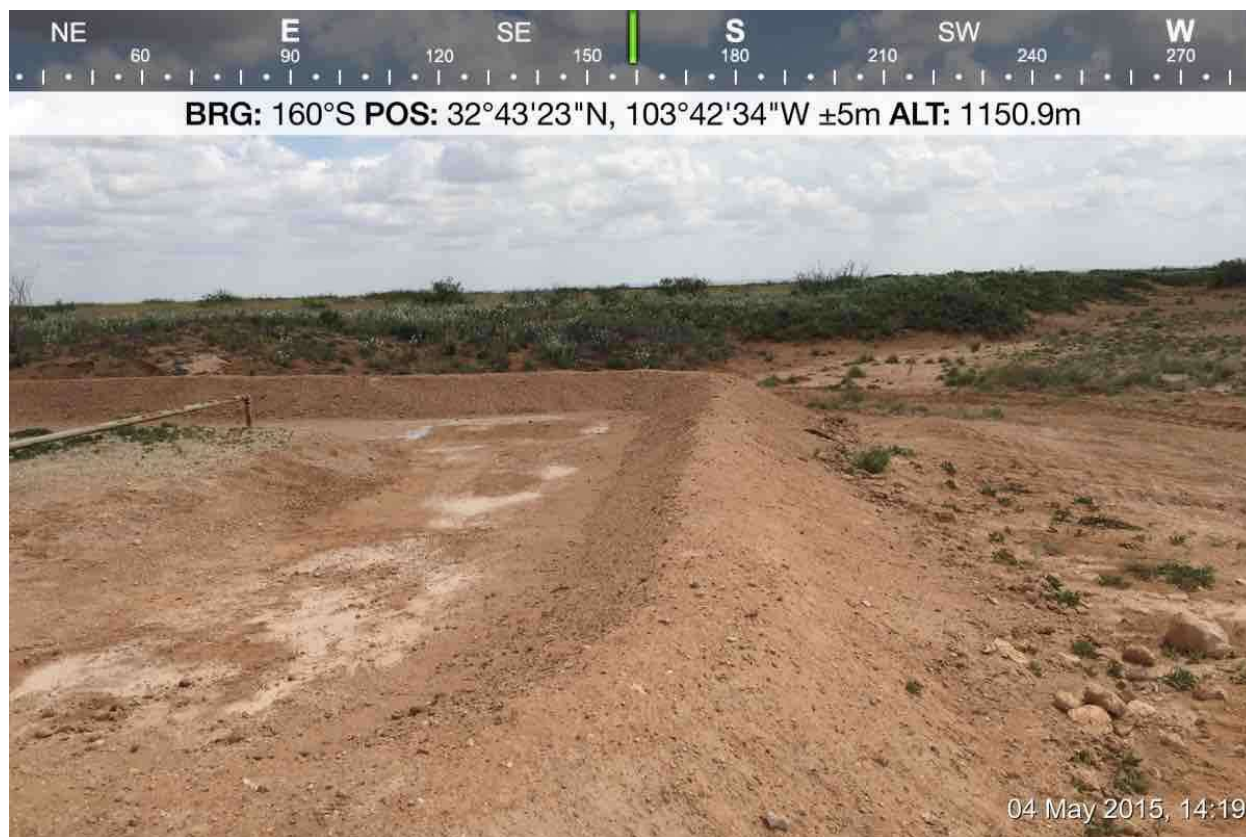


Excavated spill area

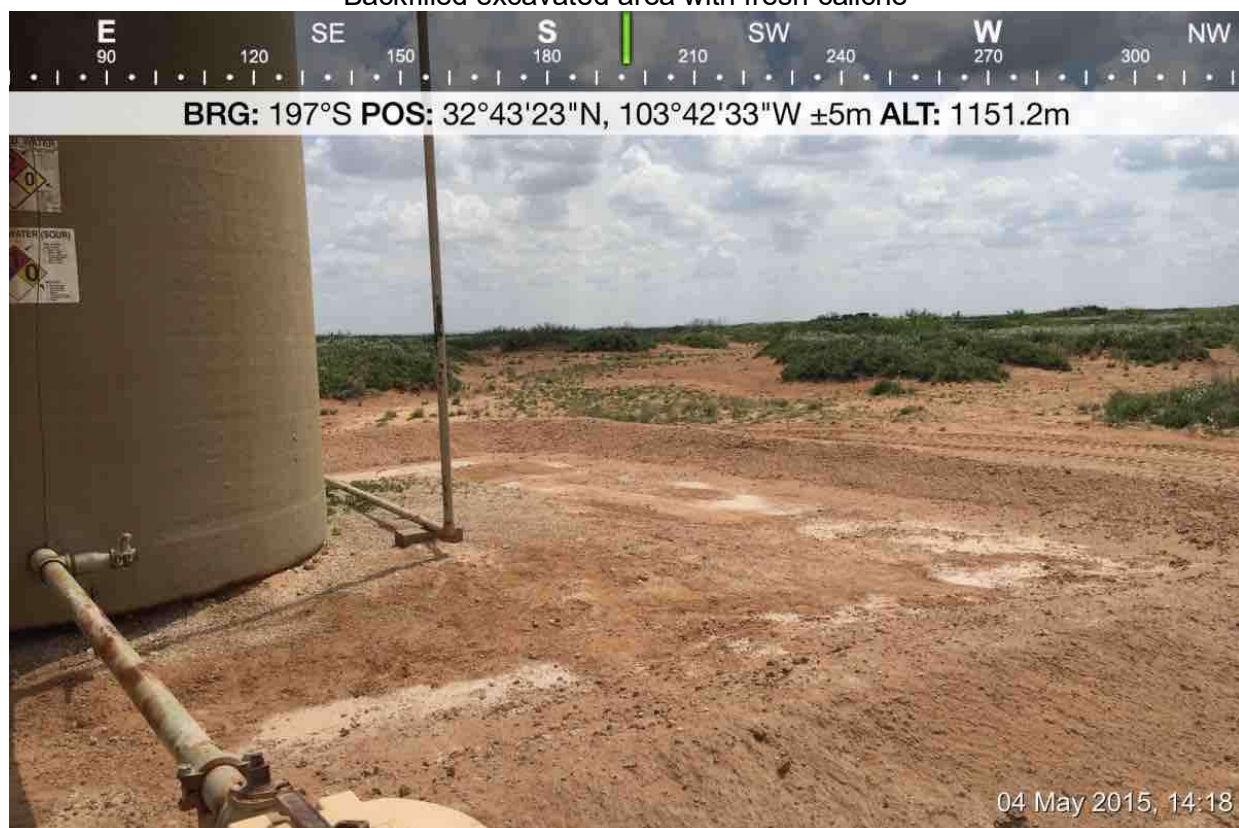


Hand-digging near lines

Cimarex, Hudson 30 Federal #4 Photo Page

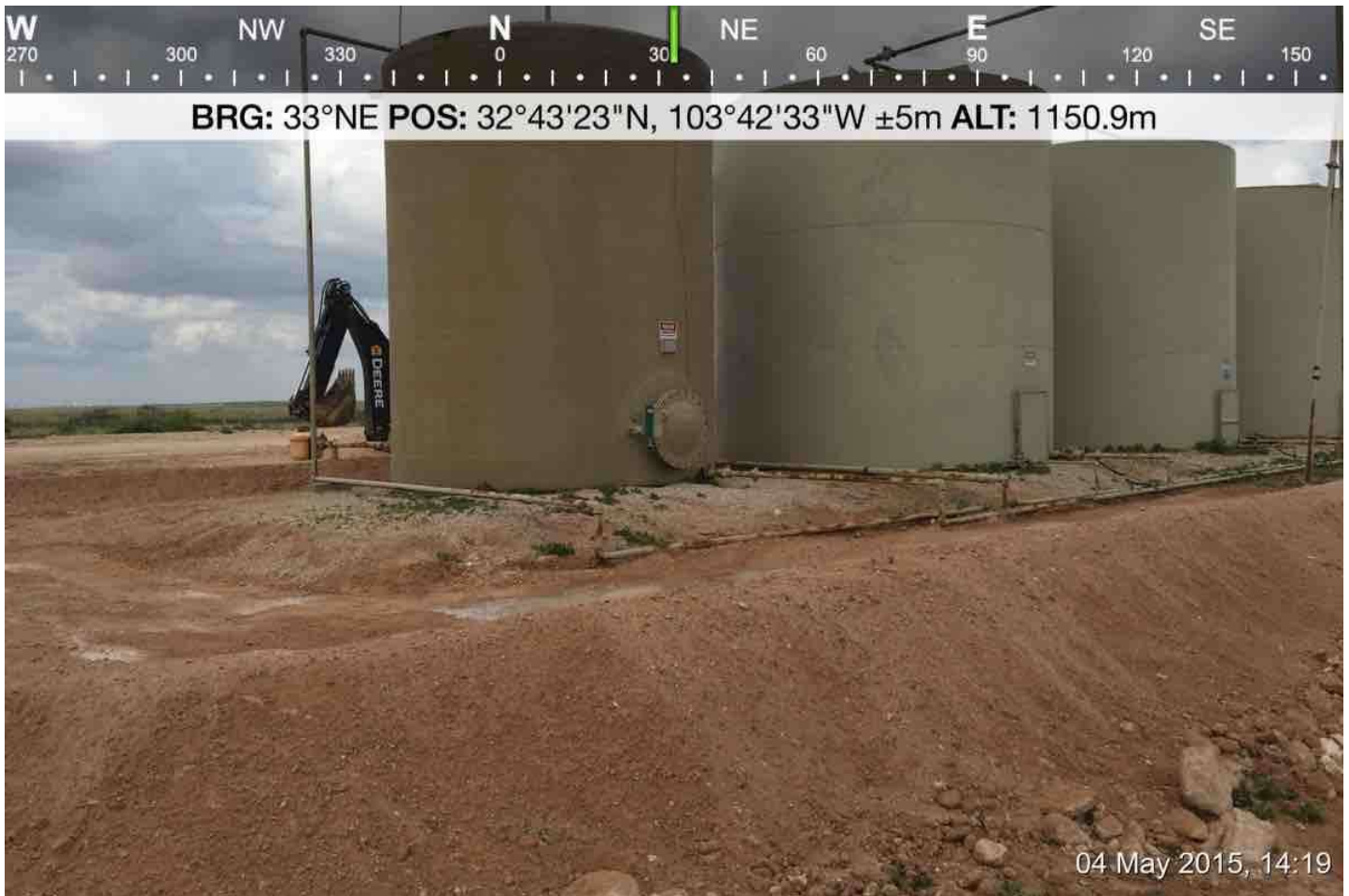


Backfilled excavated area with fresh caliche



Backfilled excavated area with fresh caliche

Cimarex, Hudson 30 Federal #4 Photo Page



Completed location with rebuilt firewalls

Appendix III

SITE MAP

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-

Site Diagram

Cimarex, Hudson 30 Federal 004
Eddy County, NM

Drafted By: Lance Crenshaw, 2-24-15

0 0.004 0.008 0.016 Miles

Legend

Misc_points Types

- ⚡ Electrical Box
- ⚡ Power Pole
- ⬢ Headers
- Injection
- ⬢ Pumpjacks
- Tanks
- Valves
- ⬢ Other
- ⊕ Soil Bores
- ▲ sample_pts
- ★ Source

Pipeline

- Above Ground Line
- - - Buried Line

Spill

- <all other values>

Spill_Media

- Oil and Produced H2O
- Oil
- Other
- Produced Water

Spill Area:
1,110 sq. ft.

Lance Crenshaw
GIS Technician



DFSI

Environmental Services

Office: 575-964-8394
Fax: 575-964-8396

Cell: 575-441-2359
Email: lcrenshaw@diversifiedfsi.com

Source: Esri, DigitalGlobe, GeoEye, Earthstar (United States), Swisstopo, and the GIS User Community

Appendix IV

LABORATORY ANALYSES

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8



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

March 06, 2015

CHRISTINE ALDERMAN

CIMAREX ENERGY CO.-MIDLAND

600 N. MARIENFELD ST, SUITE 600

MIDLAND, TX 79701

RE: FEDERAL #4

Enclosed are the results of analyses for samples received by the laboratory on 03/03/15 8:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CIMAREX ENERGY CO.-MIDLAND
 CHRISTINE ALDERMAN
 600 N. MARIENFELD ST, SUITE 600
 MIDLAND TX, 79701
 Fax To: UNK-NOWN

Received: 03/03/2015
 Reported: 03/06/2015
 Project Name: FEDERAL #4
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 03/02/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP. 1 @ 5' (H500584-01)

BTX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/05/2015	ND	1.55	77.6	2.00	10.8		
Toluene*	<0.050	0.050	03/05/2015	ND	1.37	68.4	2.00	10.5		
Ethylbenzene*	<0.050	0.050	03/05/2015	ND	1.50	75.2	2.00	12.1		
Total Xylenes*	<0.150	0.150	03/05/2015	ND	3.88	64.6	6.00	13.4		
Total BTX	<0.300	0.300	03/05/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 80.0 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	03/03/2015	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/03/2015	ND	199	99.7	200	0.208	
DRO >C10-C28	10.5	10.0	03/03/2015	ND	190	95.0	200	1.03	

Surrogate: 1-Chlorooctane 68.4 % 47.2-15

Surrogate: 1-Chlorooctadecane 66.0 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CIMAREX ENERGY CO.-MIDLAND
 CHRISTINE ALDERMAN
 600 N. MARIENFELD ST, SUITE 600
 MIDLAND TX, 79701
 Fax To: UNK-NOWN

Received: 03/03/2015
 Reported: 03/06/2015
 Project Name: FEDERAL #4
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 03/02/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP. 2 @ 3' (H500584-02)

BTEx 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/05/2015	ND	1.55	77.6	2.00	10.8		
Toluene*	<0.050	0.050	03/05/2015	ND	1.37	68.4	2.00	10.5		
Ethylbenzene*	<0.050	0.050	03/05/2015	ND	1.50	75.2	2.00	12.1		
Total Xylenes*	<0.150	0.150	03/05/2015	ND	3.88	64.6	6.00	13.4		
Total BTEx	<0.300	0.300	03/05/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 78.6 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	03/03/2015	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/03/2015	ND	199	99.7	200	0.208	
DRO >C10-C28	38.8	10.0	03/03/2015	ND	190	95.0	200	1.03	

Surrogate: 1-Chlorooctane 63.2 % 47.2-1

Surrogate: 1-Chlorooctadecane 63.3 % 52.1

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CIMAREX ENERGY CO.-MIDLAND
 CHRISTINE ALDERMAN
 600 N. MARIENFELD ST, SUITE 600
 MIDLAND TX, 79701
 Fax To: UNK-NOWN

Received: 03/03/2015
 Reported: 03/06/2015
 Project Name: FEDERAL #4
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 03/02/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP. 3 @ 2' (H500584-03)

BTEx 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/05/2015	ND	1.55	77.6	2.00	10.8		
Toluene*	<0.050	0.050	03/05/2015	ND	1.37	68.4	2.00	10.5		
Ethylbenzene*	<0.050	0.050	03/05/2015	ND	1.50	75.2	2.00	12.1		
Total Xylenes*	<0.150	0.150	03/05/2015	ND	3.88	64.6	6.00	13.4		
Total BTEx	<0.300	0.300	03/05/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 77.7 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/03/2015	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/03/2015	ND	199	99.7	200	0.208	
DRO >C10-C28	11.2	10.0	03/03/2015	ND	190	95.0	200	1.03	

Surrogate: 1-Chlorooctane 71.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 64.8 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CIMAREX ENERGY CO.-MIDLAND
 CHRISTINE ALDERMAN
 600 N. MARIENFELD ST, SUITE 600
 MIDLAND TX, 79701
 Fax To: UNK-NOWN

Received: 03/03/2015
 Reported: 03/06/2015
 Project Name: FEDERAL #4
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 03/02/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP. 4 @ 7' (H500584-04)

BTEx 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/05/2015	ND	1.55	77.6	2.00	10.8		
Toluene*	<0.050	0.050	03/05/2015	ND	1.37	68.4	2.00	10.5		
Ethylbenzene*	<0.050	0.050	03/05/2015	ND	1.50	75.2	2.00	12.1		
Total Xylenes*	<0.150	0.150	03/05/2015	ND	3.88	64.6	6.00	13.4		
Total BTEx	<0.300	0.300	03/05/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 77.7 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	03/03/2015	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/03/2015	ND	199	99.7	200	0.208	
DRO >C10-C28	<10.0	10.0	03/03/2015	ND	190	95.0	200	1.03	

Surrogate: 1-Chlorooctane 65.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 64.7 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CIMAREX ENERGY CO.-MIDLAND
 CHRISTINE ALDERMAN
 600 N. MARIENFELD ST, SUITE 600
 MIDLAND TX, 79701
 Fax To: UNK-NOWN

Received: 03/03/2015
 Reported: 03/06/2015
 Project Name: FEDERAL #4
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 03/02/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP. 5 @ 2' (H500584-05)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/05/2015	ND	1.55	77.6	2.00	10.8		
Toluene*	<0.050	0.050	03/05/2015	ND	1.37	68.4	2.00	10.5		
Ethylbenzene*	<0.050	0.050	03/05/2015	ND	1.50	75.2	2.00	12.1		
Total Xylenes*	<0.150	0.150	03/05/2015	ND	3.88	64.6	6.00	13.4		
Total BTEX	<0.300	0.300	03/05/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 80.9 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	03/03/2015	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/03/2015	ND	199	99.7	200	0.208	
DRO >C10-C28	<10.0	10.0	03/03/2015	ND	190	95.0	200	1.03	

Surrogate: 1-Chlorooctane 68.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 67.4 % 52.1

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CIMAREX ENERGY CO.-MIDLAND
 CHRISTINE ALDERMAN
 600 N. MARIENFELD ST, SUITE 600
 MIDLAND TX, 79701
 Fax To: UNK-NOWN

Received: 03/03/2015
 Reported: 03/06/2015
 Project Name: FEDERAL #4
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 03/02/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP. 6 @ 3' (H500584-06)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/05/2015	ND	1.55	77.6	2.00	10.8		
Toluene*	<0.050	0.050	03/05/2015	ND	1.37	68.4	2.00	10.5		
Ethylbenzene*	<0.050	0.050	03/05/2015	ND	1.50	75.2	2.00	12.1		
Total Xylenes*	<0.150	0.150	03/05/2015	ND	3.88	64.6	6.00	13.4		
Total BTEX	<0.300	0.300	03/05/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 77.9 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	03/03/2015	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/03/2015	ND	199	99.7	200	0.208	
DRO >C10-C28	22.6	10.0	03/03/2015	ND	190	95.0	200	1.03	

Surrogate: 1-Chlorooctane 69.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 66.5 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Name: Cimarex		P.O. #:		BILL TO									
Project Manager: Mike Burton		Company: Cimarex		ANALYSIS REQUEST									
Address:		Attn: Christine Haden											
City:		Address:											
Phone #:		City:											
Fax #:		State:											
Project #:		Zip:											
Project Name:		Phone #:											
Project Location: Feed #4		Fax #:											
Sampler Name: Phyllis Lewis													

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS	MATRIX						PRESERV			SAMPLING		DATE	TIME	CL	TPH	B-Tex	
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER								
1500584	SP.1 @ 5'	9			X				X			3-2-15	11:55	X					
	SP.2 @ 3'	9			X				X			3-2-15	11:59	X					
	SP.3 @ 2'	9			X				X			3-2-15	12:17	X					
	SP.4 @ 7'	9			X				X			3-2-15	12:35	X					
	SP.5 @ 2'	9			X				X			3-2-15	12:40	X					
	SP.6 @ 3'	9			X				X			3-2-15	12:56	X					

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Phyllis Lewis	Received By: Christine Haden
Date: 3/31/15	Date: 3/31/15
Time: 8:45	Time: 12:45
Relinquished By:	Received By:
Delivered By: (Circle One)	Sample Condition
UPS - Bus - Other:	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>
	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
	Checked By: Christine Haden
	Initials: CH
	REMARKS: Levenshawediversified.com
	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #:

Appendix V

FINAL C-141

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8

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

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

Form C-141
Revised October 10, 2003
Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Cimax Energy	Contact Christine Alderman
Address 600 N. Marienfeld Ste 600 Midland TX	Telephone No. 432-853-7059
Facility Name Hudson 30 Fed #4	Facility Type Production
Surface Owner	Mineral Owner
Lease No. 30-025-34301	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	30	18S	33E	735	N	660	W	Lea

Latitude 32.7235 Longitude -103.70906

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 30 bbls	Volume Recovered 27 bbls
Source of Release Thief hatch of tank	Date and Hour of Occurrence 1-26-15	Date and Hour of Discovery 1-26-15 5 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Doc Oberdong/Sol Hughes	
By Whom? Christine Alderman	Date and Hour 1-27-15 8:35 a.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Pumper failed to request a haul truck to pick up load of water from lease. Tank ran over.

Describe Area Affected and Cleanup Action Taken.*

All fluids confined within an unlined earthen berm. Diversified Environmental excavated the spill area to 2' bgs. All contaminated soil was hauled to an approved state disposal. Fresh caliche was brought in and the berms were rebuilt as the site was restored to its previous state.

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.

Signature: <i>Christine Alderman</i>	OIL CONSERVATION DIVISION	
Printed Name: Christine Alderman	Approved by District Supervisor: <i>Ashley Maxwell</i>	
Title: EHS Supervisor	Approval Date: 12/15/2022	Expiration Date:
E-mail Address: calderman@cimax.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 6-4-2015 Phone: 432-853-7059		

* Attach Additional Sheets If Necessary

Incident ID	NT01502933261
District RP	
Facility ID	
Application ID	

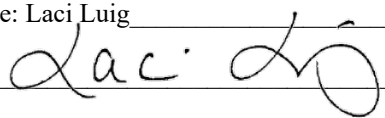
Closure

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

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

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

Printed Name: Laci Luig Title: ESH Specialist
Signature:  Date: 10/19/2022
email: laci.luig@coterra.com Telephone: (432) 208-3035

OCD Only

Received by: OCD Date: 10/19/2022

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 12/15/2022
Printed Name: Ashley Maxwell Title: Environmental Specialist

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 152116

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 600 N. Marienfeld Street Midland, TX 79701	OGRID: 162683
	Action Number: 152116
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	12/15/2022