

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	Contact	JOHN OSBORNE
Address		Telephone No.	575-390-8978
Facility Name	LEA "AQ" #7	Facility Type	oil well Flowline Leak
Surface Owner	FAYE KLINE	Mineral Owner	
		API No.	30-025-32640

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	29	19S	35E	1650	South	1650	WEST	LEA

Latitude N 32° 37.639 Longitude W 103° 29.030

NATURE OF RELEASE

Type of Release	OIL + WATER	Volume of Release	75 BBLs	Volume Recovered
Source of Release	Flowline Leak	Date and Hour of Occurrence		Date and Hour of Discovery
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	SGFF Leaking	
By Whom?	JOHN OSBORNE	Date and Hour		
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.*

Describe Area Affected and Cleanup Action Taken.*

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 federal, state, or local laws and/or regulations.

Signature:

Printed Name:

Title:

E-mail Address:

Date:

Phone: 575-390-8978

Approved*

Approval Date:

Conditions of Approval:

Attached ☐

APPROVED

2/5/16

Expiration Date:

IRP-4153

* Attach Additional Sheets If Necessary

HUNGRY HORSE, LLC ENVIRONMENTAL SERVICES

Dirt Work

*

On-Site Remediation

*

Soil Testing

*

Excavation

May 20, 2012

Pag

1

To: Geoff Leking

Reference: Remediation Work Plan

Operator: Cimarex

Location: AQ Lea # 007

API: 30-025-32640

Legals: Unit K, Sect. 29, T19S, R35E

GPS: 32.6275 -103.48386

Background Information

The AQ Lea # 007 is located 25 miles east of Hobbs, New Mexico and one mile south of 62/180 between MM 84-85. It is located approximately 50 ft. east of the fence line which runs parallel to the cliché road. The spill is located in gentle rolling sand dunes. Based upon the Lea County Depth to Groundwater Map, the depth to groundwater is <50'. This spill began on the upward slope of a dune and ran downward and pooled approximately 165' from the point of release. The spill remained narrow except for the location of the pooling. The site is measured approximately 165' X 20'.

Depth to Groundwater	<50'
Distance to Surface Body of Water	>1000'
Wellhead Protection Area	>1000'

Current Work Completed

Upon discovery of the release, Hungry Horse, LLC was notified and remedial action to contain the release was started. We removed the saturated soil down to approximately 3' BGS. This material was stockpiled and then hauled to a division approved disposal facility. A vertical delineation was conducted to determine the downward penetration of the contaminants. See the attached field test results along with the lab analysis of the bottom samples.

Remediation Work Plan Proposal

Due to the depth of groundwater, I am proposing to remediate the affected area using the dig and haul method. All contaminated soil will be mechanically excavated, stock piled, and transported to a division approved disposal facility. The affected area will be sampled with lab analysis conducted for chlorides. Lab results will be presented to NM OCD for closure approval. Upon receipt of closure approval, the excavated area will be backfilled with clean material, contoured to match the surrounding area, and seeded with a custom seed mixture.



Vernon K. Black, Hungry Horse, LLC

Approved - Hufy at SP-2 that you have
≤ 250PPM CLS ON BOTTOM & WALL
SAMPLES AT SP-1 AND SP-3

P. O. Box 1058 * Hobbs New Mexico * Office 505.393.3386 * Fax 505.391.4585

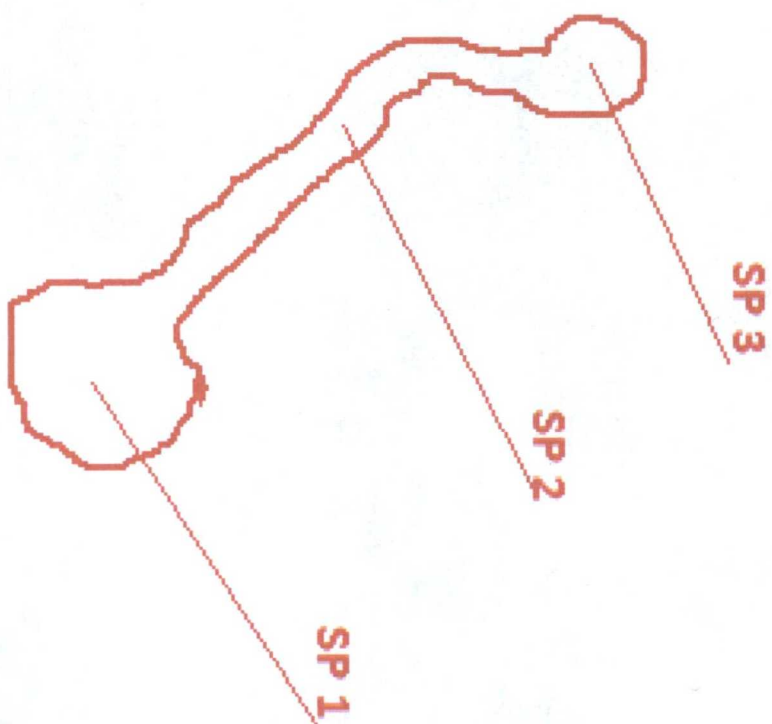
Geoff Leking
Env. Specialist
NMOC-DIST 1
5/21/12

Road



AQ LEA # 007

Cliche Road



Date: *5/13/2012

Date: *5/13/2012

[illegible][illegible]

May 17, 2012

VERNON BLACK

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: LEA AQ #7

Enclosed are the results of analyses for samples received by the laboratory on 05/15/12 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received: 05/15/2012
Reported: 05/17/2012
Project Name: LEA AQ #7
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/14/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 8' BGS (H201087-01)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/16/2012	ND	2.20	110	2.00	0.903		
Toluene*	<0.050	0.050	05/16/2012	ND	2.29	115	2.00	1.41		
Ethylbenzene*	<0.050	0.050	05/16/2012	ND	2.29	115	2.00	2.01		
Total Xylenes*	<0.150	0.150	05/16/2012	ND	7.09	118	6.00	2.34		

Surrogate: 4-Bromofluorobenzene (PIE) 118 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/16/2012	ND	400	100	400	0.00	

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	05/16/2012	ND	205	103	200	5.10		
DRO >C10-C28	<10.0	10.0	05/16/2012	ND	222	111	200	26.6		


Surrogate: 1-Chlorooctane 87.1 % 55.5-154

Surrogate: 1-Chlorooctadecane 90.9 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received: 05/15/2012
Reported: 05/17/2012
Project Name: LEA AQ #7
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/14/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 10' BGS (H201087-02)

BTEX 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2012	ND	2.14	107	2.00	4.14	
Toluene*	<0.050	0.050	05/17/2012	ND	2.24	112	2.00	4.57	
Ethylbenzene*	<0.050	0.050	05/17/2012	ND	2.22	111	2.00	4.16	
Total Xylenes*	<0.150	0.150	05/17/2012	ND	6.86	114	6.00	4.40	

Surrogate: 4-Bromofluorobenzene (PIL) 115 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/16/2012	ND	400	100	400	0.00	

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	05/16/2012	ND	205	103	200	5.10	
DRO >C10-C28	<10.0	10.0	05/16/2012	ND	222	111	200	26.6	

Surrogate: 1-Chlorooctane 86.1 % 55.5-154

Surrogate: 1-Chlorooctadecane 98.9 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received: 05/15/2012
Reported: 05/17/2012
Project Name: LEA AQ #7
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/14/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 6' BGS (H201087-03)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2012	ND	2.14	107	2.00	4.14		
Toluene*	<0.050	0.050	05/17/2012	ND	2.24	112	2.00	4.57		
Ethylbenzene*	<0.050	0.050	05/17/2012	ND	2.22	111	2.00	4.16		
Total Xylenes*	<0.150	0.150	05/17/2012	ND	6.86	114	6.00	4.40		

Surrogate: 4-Bromofluorobenzene (PIC) 115 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/16/2012	ND	400	100	400	0.00		

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	05/16/2012	ND	205	103	200	5.10		
DRO >C10-C28	<10.0	10.0	05/16/2012	ND	222	111	200	26.6		

Surrogate: 1-Chlorooctane 88.4 % 55.5-154

Surrogate: 1-Chlorooctadecane 92.0 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received: 05/15/2012
Reported: 05/17/2012
Project Name: LEA AQ #7
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/14/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 9' BGS (H201087-04)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2012	ND	2.14	107	2.00	4.14		
Toluene*	<0.050	0.050	05/17/2012	ND	2.24	112	2.00	4.57		
Ethylbenzene*	<0.050	0.050	05/17/2012	ND	2.22	111	2.00	4.16		
Total Xylenes*	<0.150	0.150	05/17/2012	ND	6.86	114	6.00	4.40		

Surrogate: 4-Bromofluorobenzene (PIL) 114 % 64.4-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	05/16/2012	ND	400	100	400	0.00		

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	05/16/2012	ND	205	103	200	5.10		
DRO >C10-C28	<10.0	10.0	05/16/2012	ND	222	111	200	26.6		

Surrogate: 1-Chlorooctane 88.7 % 55.5-154

Surrogate: 1-Chlorooctadecane 91.8 % 57.6-158

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Analytical Results For:

Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received: 05/15/2012
Reported: 05/17/2012
Project Name: LEA AQ #7
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/14/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 15' BGS (H201087-05)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2012	ND	2.14	107	2.00	4.14		
Toluene*	<0.050	0.050	05/17/2012	ND	2.24	112	2.00	4.57		
Ethylbenzene*	<0.050	0.050	05/17/2012	ND	2.22	111	2.00	4.16		
Total Xylenes*	<0.150	0.150	05/17/2012	ND	6.86	114	6.00	4.40		

Surrogate: 4-Bromofluorobenzene (PIL) 117 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	05/16/2012	ND	400	100	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					

Surrogate: 1-Chlorooctane 93.3 % 55.5-154

Surrogate: 1-Chlorooctadecane 97.4 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received: 05/15/2012
Reported: 05/17/2012
Project Name: LEA AQ #7
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 05/14/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 16' BGS (H201087-06)

BTEX 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2012	ND	2.14	107	2.00	4.14	
Toluene*	<0.050	0.050	05/17/2012	ND	2.24	112	2.00	4.57	
Ethylbenzene*	<0.050	0.050	05/17/2012	ND	2.22	111	2.00	4.16	
Total Xylenes*	<0.150	0.150	05/17/2012	ND	6.86	114	6.00	4.40	

Surrogate: 4-Bromofluorobenzene (PIL) 118 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/16/2012	ND	400	100	400	0.00	

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	05/16/2012	ND	205	103	200	5.10	
DRO >C10-C28	<10.0	10.0	05/16/2012	ND	222	111	200	26.6	

Surrogate: 1-Chlorooctane 90.0 % 55.5-154

Surrogate: 1-Chlorooctadecane 93.0 % 57.6-158

Sample ID: CONTROL SAMPLE (H201087-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/16/2012	ND	400	100	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

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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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

