

Remediation Summary Report Form

General Information

This section provides general information about the operator and the site where the spill occurred.

This report prepared by Hungry Horse, LLC on 30Oct14, in response to the release for Mewbourne Oil Company at the Maverick 13 DM Fed Com #1H located in Eddy County, NM for the spill that occurred 16Aug14, releasing 80 bbls of oil and produced water due to an equipment failure at the separator.

Date: 30CT14

Client: Mewbourne Oil Company

Site Name: Maverick 13 DM Fed Com #1H

County: Eddy

State: New Mexico

API: 30-015-42089

Legals: UL. D, Sec. 13, T24S, R26E

Site Coordinates

Latitude: 32.2240

Longitude: -104.2529

Property Owner: Private

NM OCD RP No.: 2RP-2447

Release Description and Assessment

The information below is related to the spill (Date, Type, Cause, and Quantity) and the area impacted.

Date of Spill: 16Aug14

Type of Spill: X Oil X Produced Water Condensate Other (Specify):

Cause of Spill: X Equipment Failure Valve Failure Line Rupture Leaking Tank Tank Overfill
Other (Specify):

Other Contributing Factors or Comments: N/A

Quantity Spilled: 80 bbls

Quantity Recovered: 60 bbls

Total Released: 20 bbls

Method of Recovery: Vacuum Truck

Other (Specify):

NM OCD Notified: X Yes No

C 141 (Initial/Final) Completed and Submitted: X Yes No

Spill Area Impacted: X Inside Firewall

X On Production Pad

X In Pasture

Other (Specify):

Total Square Foot Impacted: 22,500SF

Estimated Depth: 3'

Volume (Cu. Yards): 804 yds

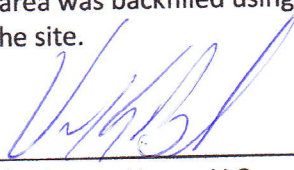
Other Comments: N/A

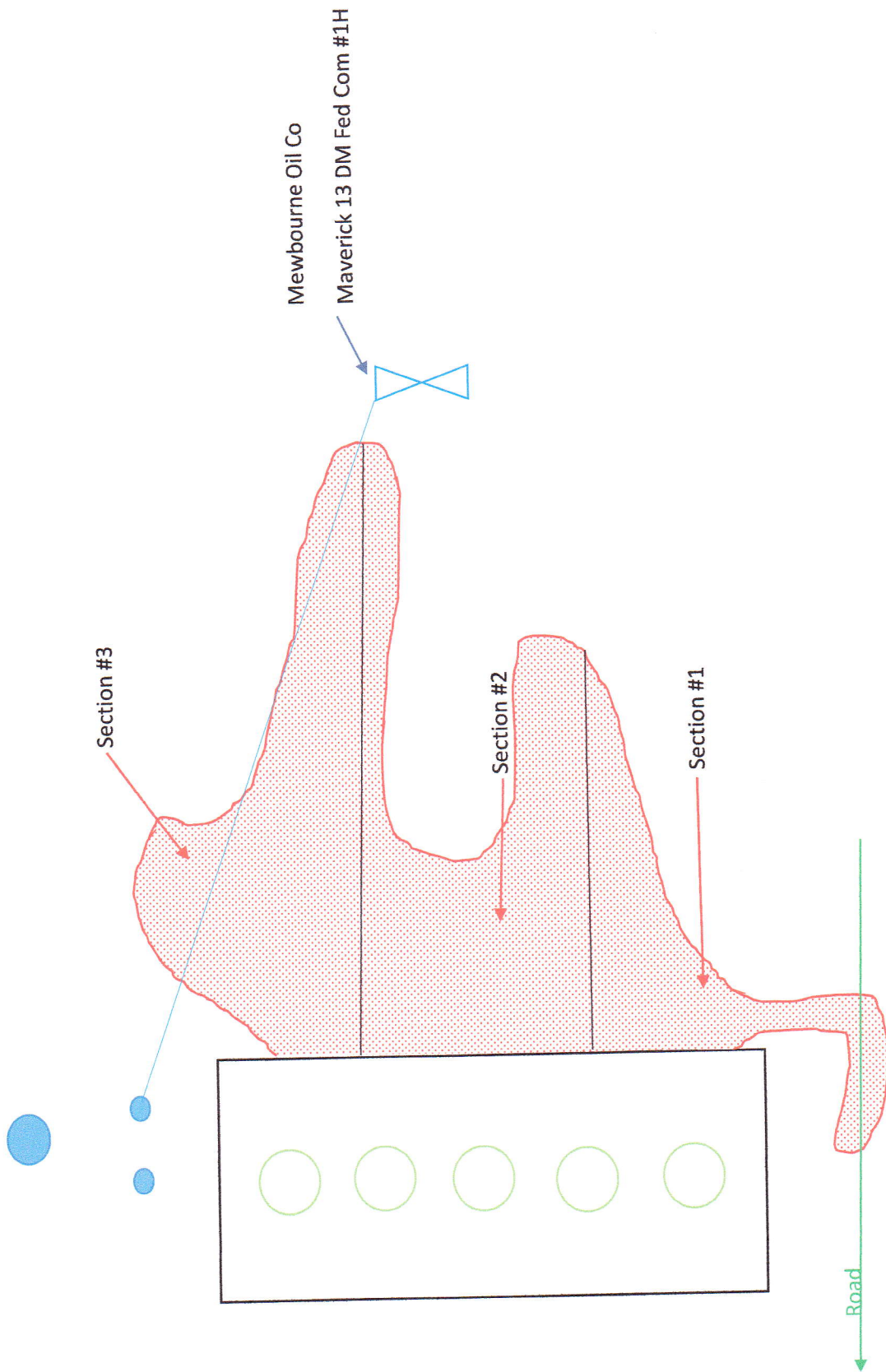
Remediation Activity Summary

The following summarizes the activities used to remediate the spill.

The over spray are in the pasture, the containment walls, and tanks were steam cleaned and pressure washed. The impacted area of the pad was excavated to an average depth of approximately 2'. All impacted soil was placed on plastic and later transported to a division approved disposal facility.

The excavated area was divided into three sections for sampling purposes. A composite soil sample was obtained from each section and analyzed for Chlorides, TPH, and BTEX. Lab results indicated that samples from Sections 1-2 had contaminant levels at or below NM OCD closure levels. Section 3 had elevated Chlorides and required additional excavation to a depth of 3.5'. Confirmation soil samples were obtained at 3.5' and 4.5' and analyzed for Chlorides. All lab results were presented to NM OCD's Mike Bratcher requesting closure approval. Closure approval was granted and the excavated area was backfilled using fresh caliche which was obtained from the downsizing operation being conducted at the site.


Vernon K. Black, Hungry Horse, LLC



Mewbourne Oil Co

Maverick 13 DM Fed Com #1H

Section #3

Section #2

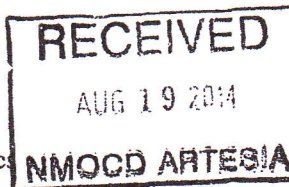
Section #1

Road

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

NAB 142 322 7481 OPERATOR ☒ Initial Report ☐ Final Report

Name of Company: Mewbourne Oil Company	Contact: Zack Thomas
Address: PO Box 5270 Hobbs NM 88241	Telephone No. 575-393-5905
Facility Name: Maverick 13 DM Fed Com #1H	Facility Type: Producing Oil Well
Surface Owner: Private	Mineral Owner: BLM
API No. 30-015-42089	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	13	24S	26E	185'	North	660'	West	Eddy

Latitude 32.224098 Longitude -104.25299

NATURE OF RELEASE

Type of Release: Produced water(60bbls)/Oil(20 bbls)	Volume of Release: 80 bbls	Volume Recovered: 40 bbls PW 20 bbls Oil
Source of Release: Oil Tank	Date and Hour of Occurrence 8-16-14	Date and Hour of Discovery 8-16-14 8:00 am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Jim Amos	
By Whom? Zack Thomas	Date and Hour 7-23-14 12:00 pm	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Dump on separation equipment hung open sending high volume of gas and fluid to production tank causing tank to run over. Upon pumper arrival well was shut-in at the well head to stop the release.

Describe Area Affected and Cleanup Action Taken.*

Affected area- Inside metal secondary containment (2-4in. standing fluid). 100 ft by 120 ft area affected outside containment in-between pumping unit and tanks. 300 ft by 200ft area of pasture south of well pad was affected by oil mist and will be micro blazed. Produced water and oil was sucked out by vacuum truck (about 80 barrels recovered) and put back into water tank. Steamer will clean tanks, cat walk, separation equipment, and secondary containment. The contaminated soil outside the containment will be dug out and hauled off. Final remediation will be conducted in accordance with the NMOCD's Guidelines for Remediation of Spills, Leaks and Releases.

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: <u>Z. Thomas</u>	OIL CONSERVATION DIVISION	
Printed Name: Zack Thomas	Approved By: <u>[Signature]</u>	
Title: Environmental Rep.	Approval Date: <u>8/20/14</u>	Expiration Date: <u>NA</u>
E-mail Address: zthomas@mewbourne.com	Conditions of Approval: Remediation per OCD Rule 8	Attached ☐
Date: 8-19-14	Phone: 575-602-2188	Guidelines. SUBMIT REMEDIATION
Attach Additional Sheets If Necessary		

PROPOSAL NO LATER THAN:

9/20/14

2RP-2A-7

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

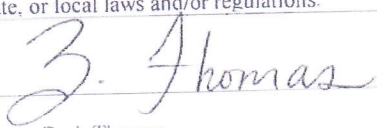
Name of Company Mewbourne Oil Co	Contact Zach Thomas
Address PO Box 5270 Hobbs, NM 88241	Telephone No. 575-393-5905
Facility Name Maverick 13 DM Fed #1H	Facility Type Producing Oil Well
Surface Owner Private	Mineral Owner BLM
API No. 30-015-42089	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	13	24S	26E	185'		660'		Eddy

Latitude **32.2240** Longitude **-104.2529**

NATURE OF RELEASE

Type of Release Produced Water/Oil	Volume of Release Oil 20 bbls Prod Water 60 bbls	Volume Recovered Oil 20 bbls Prod Water 40 bbls
Source of Release Oil Tank	Date and Hour of Occurrence 16Aug14	Date and Hour of Discovery 16Aug14 1200 hrs
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Jim Amos	
By Whom? Zach Thomas	Date and Hour 16Aug14 at 1200hrs	
Was a Watercourse Reached? Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* Dump on separation equipment hung open sending a high volume of gas and fluid to production tank causing tank to overrun. Upon pumper arrival, the well was shut in at the well head to stop the release. A local contractor was dispatched and used a back-hoe to conduct initial work to stop the spreading of fluids on location. The material was stockpiled.		
Describe Area Affected and Cleanup Action Taken.* The impacted area was on the pad and an overspray area to the south off the edge. A local contractor used a pressure washer with fresh water and Micro Blaze to clean the vegetation as well as to clean the affected tanks and equipment inside the containment. The impacted area on the pad was excavated to depths of approximately 1.5'-2.5'. The area was divided into three sections for sampling purposes. Soil samples were collected and lab analysis conducted. Sections 1-2 had contaminate levels at or below closure levels and Section 3 had elevated chlorides and further excavation was conducted. Confirmation samples were also obtained at Section 3 at 3.5' and 4.5'. All lab results were presented to NMOCD's Mike Bratcher requesting closure approval. Closure approval was granted and the area was backfilled with fresh caliche obtained from the downsizing operation being conducted on the location. All impacted soil was transported to a division approved disposal facility.		
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: 		OIL CONSERVATION DIVISION
Printed Name: Zach Thomas		Approved by Environmental Specialist:
Title: Environmental Rep	Approval Date:	Expiration Date:
E-mail Address: zthomas@mewbourne.com	Conditions of Approval:	Attached ☐
Date: 30OCT14	Phone: 575-393-5905	

* Attach Additional Sheets If Necessary



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

September 03, 2014

VERNON BLACK

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: MAVERICK 13 DM FED COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 08/26/14 16:30.

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,

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: 08/26/2014
Reported: 09/03/2014
Project Name: MAVERICK 13 DM FED COM #1H
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 08/26/2014
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: SECTION #1 (H402623-01)

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	09/02/2014	ND	1.81	90.4	2.00	0.649	
Toluene*	<0.050	0.050	09/02/2014	ND	1.68	83.9	2.00	0.254	
Ethylbenzene*	<0.050	0.050	09/02/2014	ND	1.64	82.1	2.00	0.755	
Total Xylenes*	0.267	0.150	09/02/2014	ND	5.01	83.5	6.00	0.857	
Total BTX	<0.300	0.300	09/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	08/28/2014	ND	416	104	400	3.92	

TPH 8015M			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	18.3	10.0	08/28/2014	ND	180	89.9	200	0.125	
DRO >C10-C28	511	10.0	08/28/2014	ND	189	94.6	200	3.50	

Surrogate: 1-Chlorooctane 99.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 118 % 63.6-154

*=Accredited Analyte

Cardinal Laboratories

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

Analytical Results For:

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

Received: 08/26/2014
Reported: 09/03/2014
Project Name: MAVERICK 13 DM FED COM #1H
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 08/26/2014
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: SECTION #2 (H402623-02)

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	09/02/2014	ND	1.81	90.4	2.00	0.649	
Toluene*	<0.050	0.050	09/02/2014	ND	1.68	83.9	2.00	0.254	
Ethylbenzene*	<0.050	0.050	09/02/2014	ND	1.64	82.1	2.00	0.755	
Total Xylenes*	<0.150	0.150	09/02/2014	ND	5.01	83.5	6.00	0.857	
Total BTEX	<0.300	0.300	09/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 89.4-126

Chloride, SM4500Cl-B			mg/kg Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	08/28/2014	ND	416	104	400	3.92	

TPH 8015M			mg/kg Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	11.3	10.0	08/28/2014	ND	180	89.9	200	0.125	
DRO >C10-C28	271	10.0	08/28/2014	ND	189	94.6	200	3.50	

Surrogate: 1-Chlorooctane 94.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 118 % 63.6-154

*=Accredited Analyte

Cardinal Laboratories

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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: 08/26/2014
Reported: 09/03/2014
Project Name: MAVERICK 13 DM FED COM #1H
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 08/26/2014
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: SECTION #3 (H402623-03)

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	09/02/2014	ND	1.81	90.4	2.00	0.649	
Toluene*	<0.050	0.050	09/02/2014	ND	1.68	83.9	2.00	0.254	
Ethylbenzene*	0.071	0.050	09/02/2014	ND	1.64	82.1	2.00	0.755	
Total Xylenes*	0.284	0.150	09/02/2014	ND	5.01	83.5	6.00	0.857	
Total BTEX	0.355	0.300	09/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	08/28/2014	ND	416	104	400	3.92	

TPH 8015M			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	19.3	10.0	08/28/2014	ND	180	89.9	200	0.125	
DRO >C10-C28	491	10.0	08/28/2014	ND	189	94.6	200	3.50	

Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 120 % 63.6-154

*=Accredited Analyte

Cardinal Laboratories

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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

* = Accredited Analyte

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name:

Project Manager:

Address:

City:

Phone #:

Project #:

Project Name:

Project Location:

Sampler Name:

FOR LAB USE ONLY

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

Zip:

Lab I.D.

Sample I.D.

4402623

East of battery (ind)
Section #1
Section #2
Section #3

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE

ICE / COOL

OTHER :

DATE

TIME

26 Aug 1300

Chlorides
TPH
BTEX

Relinquished By:

Relinquished By:

Date:

Time:

Date:

Time:

Received By:

Received By:

Sample Condition
Cool ☒ Intact ☒
Yes ☐ No ☐

CHECKED BY:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

26.00

Yes ☐ No ☐

gph

* Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



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

September 10, 2014

VERNON BLACK

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: MAVERICK 13 DM FED COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 09/04/14 15:15.

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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: 09/04/2014
Reported: 09/10/2014
Project Name: MAVERICK 13 DM FED COM #1H
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 09/04/2014
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: SECTION #3 (H402750-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	09/10/2014	ND	416	104	400	0.00	

*=Accredited Analyte

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

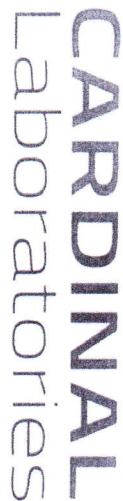
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

*=Accredited Analyte**Cardinal Laboratories**

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Celey D. Keene, Lab Director/Quality Manager



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

† Cardinal cannot accept verbal changes. Please fax written changes to 505.393.2475



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

September 18, 2014

VERNON BLACK

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: MAVERICK 13 DM FED COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 09/11/14 15:00.

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,

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:	09/11/2014	Sampling Date:	09/11/2014
Reported:	09/18/2014	Sampling Type:	Soil
Project Name:	MAVERICK 13 DM FED COM #1H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SECTION 3 3.5' BGS (H402840-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	09/18/2014	ND	400	100	400	3.92	

Sample ID: SECTION 3 4.5' BGS (H402840-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	09/18/2014	ND	400	100	400	3.92	

*=Accredited Analyte

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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

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Hungry Horse LLC		Project Manager: Vernon K. Black		Address: PO Box 1058		City: Hobbs		State: NM		Zip: 88241		Phone #: 575-631-2253		Fax #: 575-391-4585		Project Owner: Madhunoal		Project Name: MAVERICK 130m Pile on #114		Project Location: Eddy County NM		Sampler Name: Vernon K. Black			
Lab I.D.		Sample I.D.		# CONTAINERS		(GRAB OR (COMP		MATRIX		PRESERV		SAMPLING		DATE		TIME		OTHER		ICE / COOL		ACID/BASE		OTHER	
H402840		1 Section 3 3.5' BGS		C		C		WASTEWATER		SOIL		SLUDGE		OTHER		11 Sept 14 1230		X		Chlorides		X		X	
2 Section 3 4.5' BGS		C		C		GROUNWATER		OIL		OTHER		OTHER		11 Sept 14 1230		X		Chlorides		X		X		X	

Relinquished By: [Signature] Date: 11 Sept 14

Relinquished By: _____ Date: 1500

Received By: [Signature] Date: 11 Sept 14

Received By: _____ Date: _____

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Checked By: [Signature]

Time: 23:30

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Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

Addr'l Phone #: _____

Addr'l Fax #: _____

REMARKS:

* Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Maverick 13 DM Fed Com #1H



Pre-Remediation



Pre-Remediation



Pre-Remediation



Post Remediation



Post Remediation



Post Remediation