

# Remediation Summary Report Form

## General Information

This report prepared by Hungry Horse, LLC on 18Aug14, in response to the release for Mewbourne Oil Company at the Maverick 13 DM Fed Com # 1H, located in Eddy County, New Mexico for the spill that occurred 23July14, releasing 360 bbls of produced water/oil due to the failure of a nipple on the water tank fill line.

**Date:** 18Aug14

**Client:** Mewbourne Oil Company

**Site Name:** Maverick 13 DM Fed Com # 1H

**County:** Eddy

**State:** NM

**Site Coordinates** Latitude: 32.2240  
Longitude: -104.2529

**API NO.:** 30-015-42089

**Remediation Permit:** RP2-2396

## Release Description and Assessment

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

**Date of Spill:** 23July14

**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:** 360 bbls  
10 bbls

**Quantity Recovered:** 350 bbls

**Total Released:**

**Method of Recovery:** Vacuum Truck Other (Specify):

**NM OCD Notified:** X Yes No **C-141 Completed and Submitted:** X Yes No

**Spill Area Impacted:** X Inside Firewall X On Production Pad In Pasture In Cultivated Land  
Other (Specify):

**Total Square Foot Impacted:** Approximately 7500 sf **Estimated Depth:** 1.5' **Volume (Cu. Yards):**  
450 cy

**Other Comments:**

## Remediation Activity Summary

The following summarizes the activities used to remediate the spill.

Upon discovery, all free standing liquid was removed by vacuum truck. The impacted tanks and secondary containment walls were steam cleaned.

The impacted area outside the secondary containment was first excavated to a depth of approximately 8"-1' Below Ground Surface (BGS). For sampling purposes the area was divided into three sections. A composite sample was obtained from each section and lab analysis conducted for Chlorides, TPH, and BTEX. Lab results indicated levels for TPH and BTEX were at or below closure levels for all three sections. However, Chloride levels in section 1-2 was above closure levels. Further excavation was then conducted in each of these two areas down to approximately 2' BGS. At which point another composite sample was

## Remediation Summary Report Form

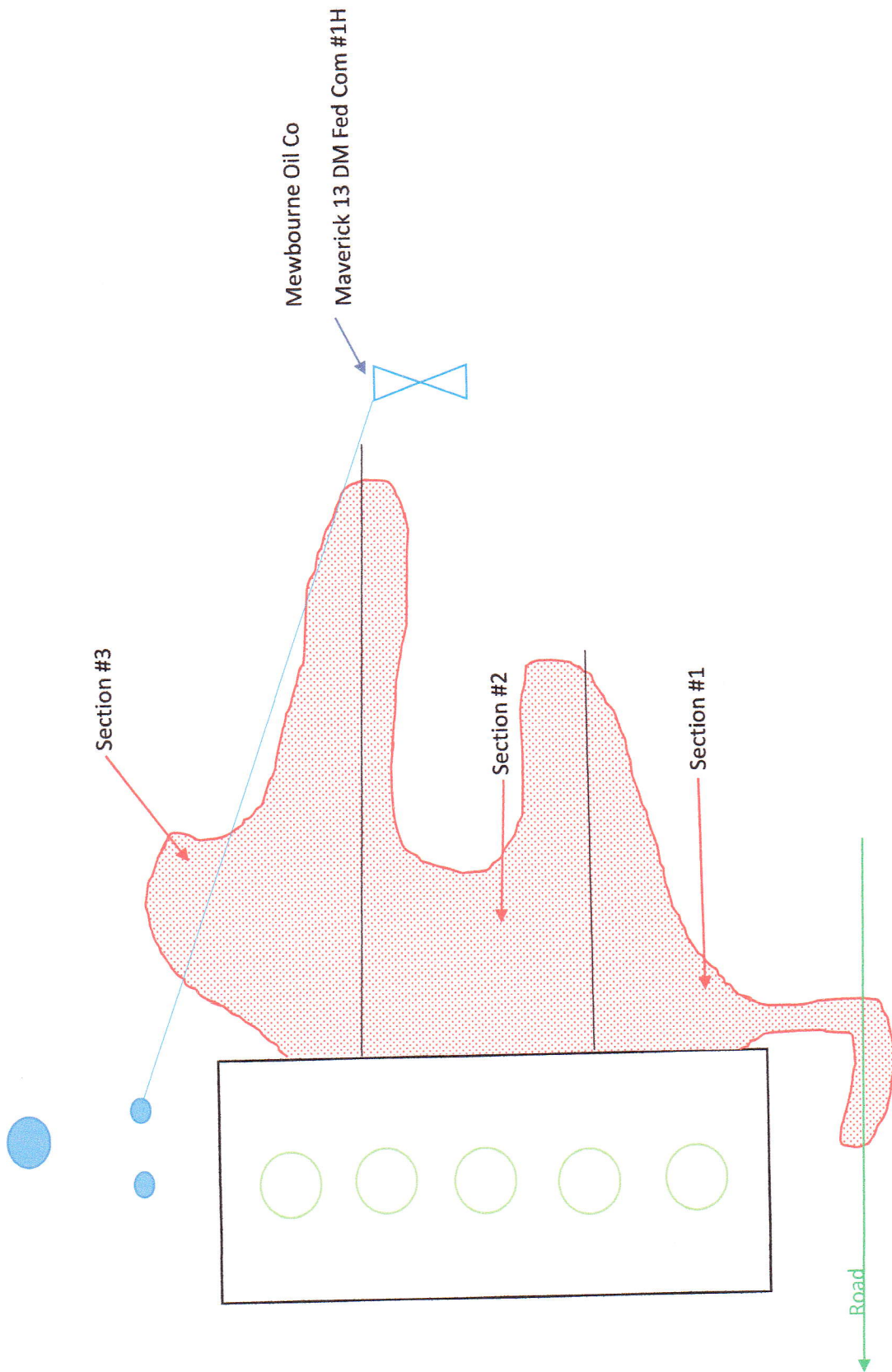
obtained from each section and lab analysis for chlorides was conducted. Results indicated these chloride levels were at or below closure levels.

Results were presented to NM OCD's Nike Bratcher and BLM's Duncan Whitlock requesting closure approval. Closure approval was granted and the excavated area was backfilled using fresh material that was on site. The area was backfilled, leveled, and brought back to grade.

A handwritten signature in blue ink, appearing to read 'V. K. Black', is positioned above a horizontal line.

---

Vernon K. Black, Hungry Horse, LLC



Mewbourne Oil Co  
Maverick 13 DM Fed Com #1H

Section #3

Section #2

Section #1

Road



RECEIVED

JUL 24 2014

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

NMOCD ARTESIA

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

Form C-141  
Revised August 8, 2011

## Release Notification and Corrective Action

**7AB1420930472** **OPERATOR** ☒ Initial Report ☐ Final Report

Name of Company: Mewbourne Oil Company <b>14744</b>	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(340bbls)/Oil(20 bbls)	Volume of Release: 360 bbls	Volume Recovered: 330 bbls PW 20 bbls Oil
Source of Release: Water Tank	Date and Hour of Occurrence 7-23-14	Date and Hour of Discovery 7-23-14 8:30 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Duncan Whitloc	
By Whom? Zack Thomas	Date and Hour 7-23-14 12:00 pm	
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.\*

Nipple on fill line of water tank failed due to instability and or high flow rate. 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 (1 ft standing fluid). 100 ft by 75 ft area outside containment in-between pumping unit and tanks was also affected. Produced water was sucked out by vacuum truck(about 330 barrels recovered) and hauled to SWD. Skim oil (20 bbls) was put back in oil tank. Steamer will then clean tanks 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: <i>Z. Thomas</i>	OIL CONSERVATION DIVISION	
Printed Name: Zack Thomas	Approved by Environmental Specialist: <i>H. P.</i>	
Title: Environmental Rep.	Approval Date: <i>7/29/14</i>	Expiration Date: <i>NA</i>
E-mail Address: zthomas@mewbourne.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 7-24-14	Remediation per OCD Rule & Guidelines. SUBMIT REMEDIATION PROPOSAL NO LATER THAN:	

\* Attach Additional Sheets If Necessary

Phone: 575-602-2188

8/29/14

RP2-2396



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 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 D	Section 13	Township 24S	Range 26E	Feet from the 185'	North/South Line North	Feet from the 660'	East/West Line West	County Eddy
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Latitude 32.224098 Longitude -104.25299

#### NATURE OF RELEASE

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Source of Release: Water Tank	Date and Hour of Occurrence 7-23-14	Date and Hour of Discovery 7-23-14 8:30 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Duncan Whitloc	
By Whom? Zack Thomas	Date and Hour 7-23-14 12:00 pm	
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.*		
Nipple on fill line of water tank failed due to instability and or high flow rate. 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 (1 ft standing fluid). 100 ft by 75 ft area outside containment in-between pumping unit and tanks was also affected. Produced water was sucked out by vacuum truck(about 330 barrels recovered) and hauled to SWD. Skim oil (20 bbls) was put back in oil tank. Steamer cleaned tanks and secondary containment. The contaminated soil outside the containment was dug out and hauled off. Final remediation was 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.		

#### OIL CONSERVATION DIVISION

Signature:

*Z. Thomas*

Printed Name: Zack Thomas

Approved by Environmental Specialist:

Title: Environmental Rep

Approval Date:

Expiration Date:

E-mail Address: zthomas@mewbourne.com

Conditions of Approval:

Attached ☐

Date: 8-13-14

Phone: 575-602-2188

\* Attach Additional Sheets If Necessary

July 30, 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 07/29/14 15:40.

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](http://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,



Mike Snyder For 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: 07/29/2014  
Reported: 07/30/2014  
Project Name: MAVERICK 13 DM FED COM #1H  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/29/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SECTION #1 8" (H402327-01)**

Sample ID: SECTION #1 8" (H402327-01)

BTEX 8021B		mg/kg		Analyzed By: MS			S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2014	ND	2.04	102	2.00	5.35	
Toluene*	<0.050	0.050	07/30/2014	ND	2.07	103	2.00	4.93	
Ethylbenzene*	<0.050	0.050	07/30/2014	ND	2.10	105	2.00	5.15	
Total Xylenes*	<0.150	0.150	07/30/2014	ND	6.43	107	6.00	4.74	
Total BTEX	<0.300	0.300	07/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 129 % 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	1760	16.0	07/30/2014	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	<10.0	10.0	07/30/2014	ND	189	94.6	200	10.2	
DRO >C10-C28	403	10.0	07/30/2014	ND	211	106	200	16.6	

Surrogate: 1-Chlorooctane 84.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.2 % 63.6-154

\*=Accredited Analyte

**Cardinal Laboratories**

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Mike Snyder For 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: 07/29/2014  
 Reported: 07/30/2014  
 Project Name: MAVERICK 13 DM FED COM #1H  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 07/29/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kathy Perez

**Sample ID: SECTION #2 8" (H402327-02)**

BTEX 8021B		mg/kg	Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2014	ND	2.04	102	2.00	5.35	
Toluene*	<0.050	0.050	07/30/2014	ND	2.07	103	2.00	4.93	
Ethylbenzene*	<0.050	0.050	07/30/2014	ND	2.10	105	2.00	5.15	
Total Xylenes*	<0.150	0.150	07/30/2014	ND	6.43	107	6.00	4.74	
Total BTEX	<0.300	0.300	07/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 127 % 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	2080	16.0	07/30/2014	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	10.1	10.0	07/30/2014	ND	189	94.6	200	10.2	
DRO >C10-C28	356	10.0	07/30/2014	ND	211	106	200	16.6	


Surrogate: 1-Chlorooctane 85.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.9 % 63.6-154

\*=Accredited Analyte

**Cardinal Laboratories**

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 Mike Snyder For 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: 07/29/2014  
Reported: 07/30/2014  
Project Name: MAVERICK 13 DM FED COM #1H  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/29/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SECTION #3 8" (H402327-03)**

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	07/30/2014	ND	2.04	102	2.00	5.35	
Toluene*	<0.050	0.050	07/30/2014	ND	2.07	103	2.00	4.93	
Ethylbenzene*	<0.050	0.050	07/30/2014	ND	2.10	105	2.00	5.15	
Total Xylenes*	<0.150	0.150	07/30/2014	ND	6.43	107	6.00	4.74	
Total BTEX	<0.300	0.300	07/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 125 % 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	768	16.0	07/30/2014	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	<10.0	10.0	07/30/2014	ND	189	94.6	200	10.2	
DRO >C10-C28	16.9	10.0	07/30/2014	ND	211	106	200	16.6	


Surrogate: 1-Chlorooctane 88.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.1 % 63.6-154

\*=Accredited Analyte

Cardinal Laboratories

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

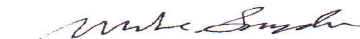
**Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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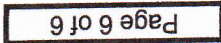
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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

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



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

August 07, 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 08/06/14 8:05.

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Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

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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:	08/06/2014	Sampling Date:	08/05/2014
Reported:	08/07/2014	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 #1 2' BGS (H402406-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	08/07/2014	ND	416	104	400	0.00	

**Sample ID: SECTION #2 2' BGS (H402406-02)**

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	08/07/2014	ND	416	104	400	0.00	

\* = Accredited Analyte

Cardinal Laboratories

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Celest 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



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO				ANALYSIS REQUEST											
P.O. #:															
Company:															
Attn:															
Address:															
City:															
State:															
Phone #:															
Fax #:															
Project Name:															
Project Location:															
Sampler Name:															
FOR LAB USE ONLY															
Lab I.D.															
Sample I.D.															
Matrix															
# CONTAINERS															
(G) RAB OR (C) OMP															
WASTEWATER															
GROUNDWATER															
SOIL															
OIL															
SLUDGE															
OTHER															
ACID/BASE															
ICE / COOL															
OTHER															
DATE															
TIME															
H42406				CL/Indes											
1 Section #1 2' BGS				5 Aug 1530 X											
2 Section #2 2' BGS				5 Aug 1530 X											

PLEASE NOTE: Liability and Damages. Cardinal's facility 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 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 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:	Date: 8/14/14	Received By:	Date: 8/15/14
Relinquished By:		Received By:	
Delivered By: (Circle One)		Sample Condition	CHECKED BY: (Initials)
		Cool <input type="checkbox"/> Intact <input type="checkbox"/>	
		Yes <input type="checkbox"/> No <input type="checkbox"/>	
Sampler - UPS - Bus - Other:			

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 #154



Mewbourne Oil CO-Maverick 13 DM Fed Com # 1H





Mewbourne Oil Co-Maverick 13 DM Fed Com # 1H

