



Mirage 30 PM St. com #1H battery

T19S, R 29E, Sec 30

API# 30-015-40753

Corrective Action Plan

Release Date: March 9th, 2015

Unit Letter P, Section 30, Township 19 South, Range 29 East

March 12th, 2015

Prepared by:

Environmental Department
Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
Phone: (575)964-8394
Fax: (575)393-8396

Mike Bratcher
Environmental Specialist
NM Oil Conservation District-Division 2
Artesia, NM 88210

RE: Mewbourne Mirage 30 PM St. Com 1H – Remediation Work Plan
UL/P, Section 30, T19S, R29E
API No. 30-015-40753

Mr. Bratcher,

Mewbourne has retained Diversified Field Service, Inc. (DFSI) to address environmental issues for the site detailed herein.

The site is located east of Carlsbad NM, in Eddy County. The leak site resulted from a hydrocarbon and produced water leak. The source of the leak was due to a compressor separator venting fluid onto the ground. A C-141 was submitted to the NMOCD on March 9th, 2015.

Site Assessment and Delineation

On March 10th, 2015 DFSI personnel obtained surface and below grade surface (BGS) samples of the leak area. Field samples were taken on eight sample points, each sample was tested for chlorides levels as well as BTEX. The BTEX samples were performed using a Mini Rae Photoionization Detector (PID). All clean field samples found under the BLM/NMOCD standards, were taken to Cardinal Lab of Hobbs to obtain confirmation samples. The results will be provided once obtained from the lab. The field data is attached.

DFSI has conducted a groundwater study of the area and has determined that according to the New Mexico Office of the State Engineer the average depth to groundwater for this area is 100 foot below ground surface. Therefore, no eminent danger of groundwater impact or threat to life is anticipated.

Conclusion

After careful review DFSI on behalf of Mewbourne would like to propose the following:

DFSI proposes to remove the contaminated soil in the areas of Sp #1, #2, #3, #7 to 4' bgs. We will remove the contaminated soil in the areas of SP #6 and #8 to 3' bgs, We will remove contaminated soil in the areas of SP #4 and #5 to 2' bgs. All contaminated soil will be hauled to a NM approved disposal facility. Before backfill we will take samples of the bottom of the excavation and send to the lab for confirmation. Once approved we will backfill with clean native soil and reseed to NMOCD/BLM standards.

Following the approval of the above plan, DFSI will submit all proper closure documentation to the NMOCD and BLM in accordance to the State and Federal Guidelines set forth.

Please feel free to contact me with any questions concerning this remediation plan request.

Sincerely,



Michael Burton
Environmental Operations Director
Diversified Field Service, Inc.
206 West Snyder
Hobbs, NM 88240
Office: (575)964-8394
Mobile: (575)390-5454
Fax: (575)964-8396
Email: mburton@diversifiedfsi.com

cc Heather Patterson NMOCD

Attachments: Initial Form C-141
Site/Sample Map
Sample Data



Mirage 30 PM St. com #1H battery

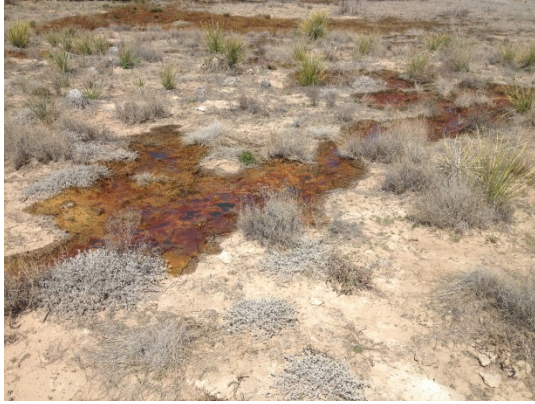
T19S, R 29E, Sec 30

API# 30-015-40753

Photo Page

3/9/15





Site Diagram

Mewbourne, Mirage 30 PM St. Com #1H Bat.
UL/P, Sec. 30 T19S R29E
Eddy County, NM
Drafted By: Lance Crenshaw, 3-10-14

0 0.005 0.01 0.02 Miles

Legend



Misc_points

Types


-  Electrical Box
-  Power Pole
-  Headers
-  Injection
-  Pumpjacks
-  Tanks
-  Valves
-  Other
-  Soil Bores
-  sample_pts
-  Source

Pipeline





Type

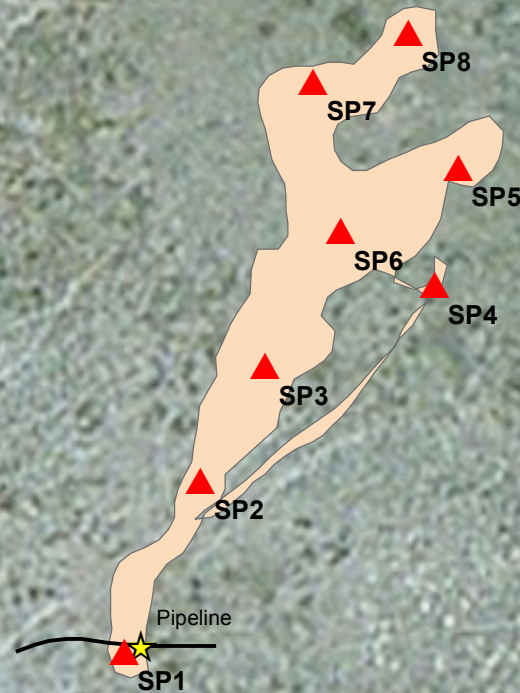
-  Above Ground Line
-  Buried Line

Spill

-  <all other values>

Spill_Media

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



Spill Area:
6,556 sq. ft.

Lance Crenshaw
GIS Technician

Soil Remediation and Ground Water Remediation
Environmental Assessments
Regulatory Compliance



Environmental

DFS

Services

Office: 575-964-8394

Fax: 575-964-8396

Cell: 575-441-2359

Email: lcrenshaw@diversifiedfsi.com

Source: Esri, DigitalGlobe, GeoEye, IGN, swisstopo, and the GIS User Community

Diversified Environmental Services

Company Name: Mewbourne oil
Location Name: mirage 30 pm com 1h

SP Date: 3/10/2015
Rel Date:

SP1	CHL	PID
surf	999	4,738
1'	774	3883
2'	649	3523
3'	499	5886
4'	549	7838
5'	499	3552
6'	624	4322
7'	499	4113
8'	574	2834
9'	524	1142
10'	499	4664
11'	499	132.8
12'	449	107.8
13'	474	179.8
14'	auger refusal	

SP2	CHL	PID
surf	524	15,000
1'	424	13,856
2'	374	278.5
3'	449	285.1
4'	349	281.3
5'	449	43.4

SP3	CHL	PID
surf	624	3664
1'	399	3297
2'	374	742.8
3'	474	601.4
4'	399	354.5
5'	449	45.4

SP4	CHL	PID
surf	749	1800
1'	574	868.2
2'	549	476.3
3'	474	360.8
4'	424	39.4

SP5	CHL	PID
surf	549	1017
1'	424	624.9
2'	499	314.7
3'	499	56.9
4'	524	17.8

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

Diversified Environmental Services

[illegible]

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples



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

March 17, 2015

ZACK THOMAS

MEWBOURNE OIL COMPANY

P. O. BOX 5270

HOBBS, NM 88240

RE: MIRAGE 30 PM STATE COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 03/12/15 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,

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

Analytical Results For:

MEWBOURNE OIL COMPANY
ZACK THOMAS
P. O. BOX 5270
HOBBS NM, 88240
Fax To: (575) 937-6252

Received:	03/12/2015	Sampling Date:	03/10/2015
Reported:	03/17/2015	Sampling Type:	Soil
Project Name:	MIRAGE 30 PM STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP. 2 @ 5' (H500681-01)

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	03/16/2015	ND	2.23	112	2.00	7.97	
Toluene*	<0.050	0.050	03/16/2015	ND	2.04	102	2.00	9.48	
Ethylbenzene*	<0.050	0.050	03/16/2015	ND	1.97	98.6	2.00	9.75	
Total Xylenes*	<0.150	0.150	03/16/2015	ND	5.85	97.4	6.00	8.65	
Total BTX	<0.300	0.300	03/16/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	<16.0	16.0	03/16/2015	ND	400	100	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	03/14/2015	ND	181	90.5	200	3.49	
DRO >C10-C28	48.1	10.0	03/14/2015	ND	189	94.6	200	3.39	

Surrogate: 1-Chlorooctane 94.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.7 % 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

Analytical Results For:

MEWBOURNE OIL COMPANY
ZACK THOMAS
P. O. BOX 5270
HOBBS NM, 88240
Fax To: (575) 937-6252

Received:	03/12/2015	Sampling Date:	03/10/2015
Reported:	03/17/2015	Sampling Type:	Soil
Project Name:	MIRAGE 30 PM STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP. 3 @ 5' (H500681-02)

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	03/16/2015	ND	2.23	112	2.00	7.97	
Toluene*	<0.050	0.050	03/16/2015	ND	2.04	102	2.00	9.48	
Ethylbenzene*	<0.050	0.050	03/16/2015	ND	1.97	98.6	2.00	9.75	
Total Xylenes*	<0.150	0.150	03/16/2015	ND	5.85	97.4	6.00	8.65	
Total BTEX	<0.300	0.300	03/16/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	128	16.0	03/16/2015	ND	400	100	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	03/14/2015	ND	181	90.5	200	3.49	
DRO >C10-C28	322	10.0	03/14/2015	ND	189	94.6	200	3.39	

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 106 % 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

Analytical Results For:

MEWBOURNE OIL COMPANY
ZACK THOMAS
P. O. BOX 5270
HOBBS NM, 88240
Fax To: (575) 937-6252

Received:	03/12/2015	Sampling Date:	03/10/2015
Reported:	03/17/2015	Sampling Type:	Soil
Project Name:	MIRAGE 30 PM STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP. 4 @ 4' (H500681-03)

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	03/16/2015	ND	2.23	112	2.00	7.97	
Toluene*	<0.050	0.050	03/16/2015	ND	2.04	102	2.00	9.48	
Ethylbenzene*	<0.050	0.050	03/16/2015	ND	1.97	98.6	2.00	9.75	
Total Xylenes*	<0.150	0.150	03/16/2015	ND	5.85	97.4	6.00	8.65	
Total BTEx	<0.300	0.300	03/16/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/16/2015	ND	400	100	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	03/14/2015	ND	181	90.5	200	3.49	
DRO >C10-C28	51.2	10.0	03/14/2015	ND	189	94.6	200	3.39	

Surrogate: 1-Chlorooctane 81.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 90.8 % 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, 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:

MEWBOURNE OIL COMPANY
ZACK THOMAS
P. O. BOX 5270
HOBBS NM, 88240
Fax To: (575) 937-6252

Received:	03/12/2015	Sampling Date:	03/11/2015
Reported:	03/17/2015	Sampling Type:	Soil
Project Name:	MIRAGE 30 PM STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP. 5 @ 4' (H500681-04)

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	03/16/2015	ND	2.23	112	2.00	7.97	
Toluene*	<0.050	0.050	03/16/2015	ND	2.04	102	2.00	9.48	
Ethylbenzene*	<0.050	0.050	03/16/2015	ND	1.97	98.6	2.00	9.75	
Total Xylenes*	<0.150	0.150	03/16/2015	ND	5.85	97.4	6.00	8.65	
Total BTX	<0.300	0.300	03/16/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/16/2015	ND	400	100	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	03/14/2015	ND	181	90.5	200	3.49	
DRO >C10-C28	<10.0	10.0	03/14/2015	ND	189	94.6	200	3.39	

Surrogate: 1-Chlorooctane 91.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 92.3 % 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

Analytical Results For:

MEWBOURNE OIL COMPANY
ZACK THOMAS
P. O. BOX 5270
HOBBS NM, 88240
Fax To: (575) 937-6252

Received:	03/12/2015	Sampling Date:	03/11/2015
Reported:	03/17/2015	Sampling Type:	Soil
Project Name:	MIRAGE 30 PM STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP. 6 @ 10' (H500681-05)

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	03/16/2015	ND	2.23	112	2.00	7.97		
Toluene*	<0.050	0.050	03/16/2015	ND	2.04	102	2.00	9.48		
Ethylbenzene*	<0.050	0.050	03/16/2015	ND	1.97	98.6	2.00	9.75		
Total Xylenes*	0.243	0.150	03/16/2015	ND	5.85	97.4	6.00	8.65		
Total BTX	<0.300	0.300	03/16/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/16/2015	ND	400	100	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	21.8	10.0	03/14/2015	ND	181	90.5	200	3.49		
DRO >C10-C28	693	10.0	03/14/2015	ND	189	94.6	200	3.39		

Surrogate: 1-Chlorooctane 96.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.1 % 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

Analytical Results For:

MEWBOURNE OIL COMPANY
ZACK THOMAS
P. O. BOX 5270
HOBBS NM, 88240
Fax To: (575) 937-6252

Received:	03/12/2015	Sampling Date:	03/11/2015
Reported:	03/17/2015	Sampling Type:	Soil
Project Name:	MIRAGE 30 PM STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP. 7 @ 13' (H500681-06)

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	03/16/2015	ND	2.23	112	2.00	7.97	
Toluene*	<0.050	0.050	03/16/2015	ND	2.04	102	2.00	9.48	
Ethylbenzene*	<0.050	0.050	03/16/2015	ND	1.97	98.6	2.00	9.75	
Total Xylenes*	<0.150	0.150	03/16/2015	ND	5.85	97.4	6.00	8.65	
Total BTX	<0.300	0.300	03/16/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/16/2015	ND	400	100	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	03/14/2015	ND	181	90.5	200	3.49	
DRO >C10-C28	46.1	10.0	03/14/2015	ND	189	94.6	200	3.39	

Surrogate: 1-Chlorooctane 90.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 104 % 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

Analytical Results For:

MEWBOURNE OIL COMPANY
ZACK THOMAS
P. O. BOX 5270
HOBBS NM, 88240
Fax To: (575) 937-6252

Received:	03/12/2015	Sampling Date:	03/11/2015
Reported:	03/17/2015	Sampling Type:	Soil
Project Name:	MIRAGE 30 PM STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP. 8 @ 4' (H500681-07)

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	03/16/2015	ND	2.23	112	2.00	7.97	
Toluene*	<0.050	0.050	03/16/2015	ND	2.04	102	2.00	9.48	
Ethylbenzene*	<0.050	0.050	03/16/2015	ND	1.97	98.6	2.00	9.75	
Total Xylenes*	<0.150	0.150	03/16/2015	ND	5.85	97.4	6.00	8.65	
Total BTX	<0.300	0.300	03/16/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	<16.0	16.0	03/16/2015	ND	400	100	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	03/14/2015	ND	181	90.5	200	3.49	
DRO >C10-C28	10.9	10.0	03/14/2015	ND	189	94.6	200	3.39	

Surrogate: 1-Chlorooctane 89.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 98.1 % 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

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: <u>Newbourne Oil</u>		P.O. #:		BILL TO												ANALYSIS REQUEST																															
Project Manager: <u>Mike Barton</u>		Company: <u>Newbourne Oil</u>																																													
Address:		Attn: <u>Zack Thomas</u>																																													
City:		Address:																																													
State:		City:																																													
Zip:		State:																																													
Phone #:		Fax #:																																													
Project #:		Project Owner:																																													
Project Name:		State:																																													
Project Location: <u>Mileage 30 Pm State cam 14</u>		Phone #:																																													
Sample Name: <u>From logs</u>		Fax #:																																													
FOR LAB USE ONLY																																															
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER		ACID/BASE		ICE / COOL		OTHER		DATE		TIME		CL		TPH		BTEX													
H500661		1		3		1		X		X		X		X		X		X		X		X		X		3-10-15		11:45		X		X		X													
		2		3		1		X		X		X		X		X		X		X		X		X		3-10-15		12:35		X		X		X													
		3		3		1		X		X		X		X		X		X		X		X		X		3-10-15		1:22		X		X		X													
		4		3		1		X		X		X		X		X		X		X		X		X		3-11-15		2:05		X		X		X													
		5		3		1		X		X		X		X		X		X		X		X		X		3-11-15		8:36		X		X		X													
		6		3		1		X		X		X		X		X		X		X		X		X		3-11-15		9:30		X		X		X													
		7		3		1		X		X		X		X		X		X		X		X		X		3-11-15		9:46		X		X		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 remedies or otherwise.

Relinquished By: Thomson Date: 3/12/15 Received By: Zack Thomas
Time: 4:30
Date: 3/12/15 Received By: Zack Thomas
Time: 4:30

Delivered By: (Circle One) -14.60 Sample Condition Intact CHECKED BY: [Signature]
Cool Yes Intact Yes
Sampler - UPS - Bus - Other: -14.60 No No Yes Yes

Phone Result: ☐ Yes ☐ No Add'l Phone #: 644
Fax Result: ☐ Yes ☐ No Add'l Fax #: 644
REMARKS: #54

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

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: Mirage 30 PM St. Com #1H Battery	Facility Type: Oil producing Well

Surface Owner: State	Mineral Owner: State	API No. 30-015-40753
----------------------	----------------------	----------------------

LOCATION OF RELEASE

Unit Letter P	Section 30	Township 19S	Range 29E	Feet from the 300'	North/South Line South	Feet from the 150'	East/West Line East	County Eddy
------------------	---------------	-----------------	--------------	-----------------------	---------------------------	-----------------------	------------------------	----------------

Latitude 32.625402 Longitude -104.10611632

NATURE OF RELEASE

Type of Release: Oil/produced water	Volume of Release: estimated 10 bbls total fluid	Volume Recovered: 5 bbls total fluid
Source of Release: Compressor separator	Date and Hour of Occurrence 3-9-15	Date and Hour of Discovery 3-9-15 9:30 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher & Ian Dolby	
By Whom? Zack Thomas	Date and Hour 3-9-15 1:45 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.*

Cause of the leak- Gas pressure to dumps on separation equipment was lost sending fluid to compressor separator. Compressor separator in turn vented fluid onto ground. Upon arrival pumper closed the vent line stopping the release. Vent line was then re-routed to water tanks.

Describe Area Affected and Cleanup Action Taken.*

Affected area- Fluid ran onto pad surface on North side of compressor before running off the pad an estimated 200 ft. out into the pasture. 5 bbls of total fluid was recovered from pasture via vacuum truck. Clean up action will include removing contaminated soil to NMOCD regulation standards and replacing with clean backfill then reseeded.

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: Zack Thomas		Approved by Environmental Specialist:	
Title: Environmental Rep.		Approval Date:	Expiration Date:
E-mail Address: zthomas@mewbourne.com		Conditions of Approval:	
Date: 3-9-15 Phone: 575-602-2188		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary