

RECEIVED

By Kellie Jones at 11:01 am, Oct 20, 2015

APPROVED Conditional

By Kellie Jones at 11:01 am, Oct 20, 2015

1. Ensure stipulations placed by BLM are met.



Red Hills 21 Fed Com 2H

Sec. 16 T26S R32E

Lea County, NM

Work Plan

Kellie Jones
Environmental Specialist
NM Oil Conservation District – Division 1
1625 N. French Dr.
Hobbs, NM 88240

RE: Mewbourne, Red Hills 21 Fed Com 2H – Remediation Work Plan

Ms. Jones,

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

The site is located southwest of Jal, NM, in Lea County. The leak area is on the pad and in the pasture on the southwest corner of the pad.

Site Assessment and Delineation

On September 10, 2015, DFSI personnel obtained three surface and BGS (below ground surface) samples of the leak area. Each sample was tested for chloride levels as well as BTEX. The BTEX samples were performed using a Mini Rae Photoionization Detector (PID). All the clean field samples found under the BLM/NMOCD standards will be taken to a lab for confirmation. Those results are 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 550 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:

The areas of SP #2 and SP #3 will be excavated to 1' BGS. The area of SP #1 will be delineated during excavation to obtain a confirmation sample. This sample will be sent to a commercial laboratory for confirmation.

The excavated area on the pad will be backfilled with fresh caliche, and the area in the pasture will be backfilled with fresh topsoil. All contaminated materials will be hauled to an approved NM state disposal.

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,

A handwritten signature in black ink that reads "Michael Burton". The signature is written in a cursive, flowing style.

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 Shelly Tucker BLM

Attachments: Site/Sample Map
Sample Data

Site Diagram

Mewbourne, Red Hills 21 Fed Com 2H
Sec. 16 T26S R32E
Lea County, NM
Drafted By: Lance Crenshaw, 9-18-15

0 0.01 0.02 0.04 Miles

Legend

Misc_points

Types

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

Pipeline

Type

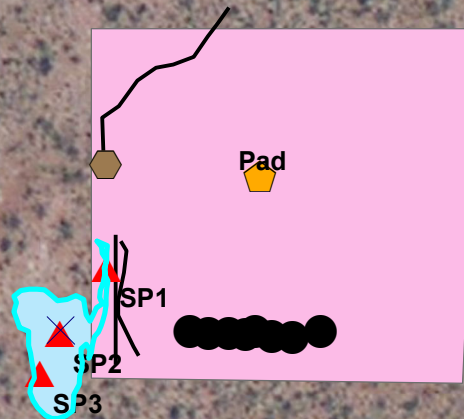
- Above Ground Line
- Buried Line

Spill

- <all other values>

Spill_Media

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



Spill Area:
2,865 sq. ft.

Lance Crenshaw
 GIS Technician

Soil Remediation and Ground Water Remediation
 Environmental Assessments
 Regulatory Compliance



Environmental **DFSI** Services

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

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

Source: Esri, DigitalGlobe, GeoEye, i-cubed, US
 swisstopo, and the GIS User Community

Diversified Environmental Services

Company Name: Mewbourne **SP Date:** 9/10/2015
Location Name: Red Hills West 21 Fed Com #2H **Rel Date:** _____

[illegible]

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples



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

October 02, 2015

ZACK THOMAS

MEWBOURNE OIL COMPANY

P. O. BOX 5270

HOBBS, NM 88240

RE: RED HILLS WEST 21 FED COM #2H

Enclosed are the results of analyses for samples received by the laboratory on 09/30/15 13:28.

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:	09/30/2015	Sampling Date:	09/30/2015
Reported:	10/02/2015	Sampling Type:	Soil
Project Name:	RED HILLS WEST 21 FED COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SAMPLE PT. 2 @ 2' (H502590-01)

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	09/30/2015	ND	2.07	103	2.00	1.10	
Toluene*	0.050	0.050	09/30/2015	ND	1.77	88.5	2.00	1.43	
Ethylbenzene*	<0.050	0.050	09/30/2015	ND	1.68	84.2	2.00	2.52	
Total Xylenes*	<0.150	0.150	09/30/2015	ND	5.28	87.9	6.00	3.58	
Total BTX	<0.300	0.300	09/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/02/2015	ND	416	104	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	09/30/2015	ND	193	96.6	200	4.68	
DRO >C10-C28	45.4	10.0	09/30/2015	ND	210	105	200	4.70	

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 101 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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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:	09/30/2015	Sampling Date:	09/30/2015
Reported:	10/02/2015	Sampling Type:	Soil
Project Name:	RED HILLS WEST 21 FED COM #2H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: SAMPLE PT. 3 @ 2' (H502590-02)

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	09/30/2015	ND	2.07	103	2.00	1.10		
Toluene*	<0.050	0.050	09/30/2015	ND	1.77	88.5	2.00	1.43		
Ethylbenzene*	<0.050	0.050	09/30/2015	ND	1.68	84.2	2.00	2.52		
Total Xylenes*	<0.150	0.150	09/30/2015	ND	5.28	87.9	6.00	3.58		
Total BTEx	<0.300	0.300	09/30/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/02/2015	ND	416	104	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	09/30/2015	ND	193	96.6	200	4.68	
DRO >C10-C28	<10.0	10.0	09/30/2015	ND	210	105	200	4.70	

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 101 % 52.1-176

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*=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

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Celey D. Keene, Lab Director/Quality Manager



New Mexico Office of the State Engineer **Water Column/Average Depth to Water**

No records found.

PLSS Search:

Section(s): 16

Township: 26S

Range: 32E