



Tamano 10 Fed Com #7H

Unit Letter E, Section 10, T18S R31E

API – 30-015-39685

Eddy County, NM

Work Plan

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

RE: Tamano 10 Fed Com #7H – Remediation Work Plan

Mr. Bratcher,

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

The site is located southwest of Maljamar, NM, in Eddy County. The spill was the result of a flow line developing a pin hole, causing a release of oil and produced water. An estimated 20 bbls was released (8 bbls oil, 12 bbls produced water), and 20 bbls was recovered with a vacuum truck.

Site Assessment and Delineation

On September 29, 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:

DFSI proposes to remove the contaminated soil in the areas SP #1 and SP #3 to 6" BGS. In the area of SP #2, since there was an elevated level of DRO>C10-C28 detected, DFSI proposes to remove 4' of the contaminated soil.

The areas will be backfilled with fresh caliche on location and native topsoil in the pasture area. The pasture area will be seeded with a BLM approved seed mix. 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,



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
Groundwater survey
Initial C-141

Site Diagram

Mewbourne, Tamano 10 Fed Com 7H
UL/E, Sec. 10 T18S R31E
Eddy County, NM
Drafted By: Lance Crenshaw, 10/2/2015

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:
1,162 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, USD
swisstopo, and the GIS User Community



October 07, 2015

ZACK THOMAS
MEWBOURNE OIL COMPANY
P. O. BOX 5270
HOBBS, NM 88240

RE: TAMANO 10 FED COM #7H

Enclosed are the results of analyses for samples received by the laboratory on 10/02/15 13:17.

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".

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:	10/02/2015	Sampling Date:	09/29/2015
Reported:	10/07/2015	Sampling Type:	Soil
Project Name:	TAMANO 10 FED COM #7H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	MEWBOURNE		

Sample ID: SAMPLE POINT 2 @ SURFACE (H502617-01)

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	10/06/2015	ND	2.21	110	2.00	0.252	
Toluene*	<0.050	0.050	10/06/2015	ND	2.08	104	2.00	0.0576	
Ethylbenzene*	0.211	0.050	10/06/2015	ND	1.76	87.9	2.00	0.776	
Total Xylenes*	0.404	0.150	10/06/2015	ND	5.96	99.3	6.00	1.07	
Total BTEX	0.615	0.300	10/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	10/05/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	10/06/2015	ND	197	98.4	200	0.894		
DRO >C10-C28	7360	50.0	10/06/2015	ND	215	108	200	0.232		

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 237 % 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:	10/02/2015	Sampling Date:	09/29/2015
Reported:	10/07/2015	Sampling Type:	Soil
Project Name:	TAMANO 10 FED COM #7H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	MEWBOURNE		

Sample ID: SAMPLE POINT 3 @ 1' (H502617-02)

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	10/06/2015	ND	2.21	110	2.00	0.252	
Toluene*	<0.050	0.050	10/06/2015	ND	2.08	104	2.00	0.0576	
Ethylbenzene*	<0.050	0.050	10/06/2015	ND	1.76	87.9	2.00	0.776	
Total Xylenes*	<0.150	0.150	10/06/2015	ND	5.96	99.3	6.00	1.07	
Total BTEX	<0.300	0.300	10/06/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/05/2015	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	10/06/2015	ND	197	98.4	200	0.894	
DRO >C10-C28	43.4	10.0	10/06/2015	ND	215	108	200	0.232	

Surrogate: 1-Chlorooctane 105 % 47.2-157

Surrogate: 1-Chlorooctadecane 108 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- 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



Celey D. Keene, Lab Director/Quality Manager



October 14, 2015

ZACK THOMAS
MEWBOURNE OIL COMPANY
P. O. BOX 5270
HOBBS, NM 88240

RE: TAMANO 10 FED COM #7H

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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 style with a large, flowing "C" and "K".

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:	10/13/2015	Sampling Date:	10/13/2015
Reported:	10/14/2015	Sampling Type:	Soil
Project Name:	TAMANO 10 FED COM #7H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	MEWBOURNE		

Sample ID: SAMPLE POINT 2 @ 5' (H502679-01)

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	10/13/2015	ND	1.97	98.7	2.00	0.646	
Toluene*	<0.050	0.050	10/13/2015	ND	1.78	88.8	2.00	1.45	
Ethylbenzene*	<0.050	0.050	10/13/2015	ND	1.59	79.4	2.00	0.889	
Total Xylenes*	<0.150	0.150	10/13/2015	ND	6.62	110	6.00	0.786	
Total BTEX	<0.300	0.300	10/13/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	<16.0	16.0	10/14/2015	ND	416	104	400	3.77	

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	10/13/2015	ND	197	98.3	200	1.05	
DRO >C10-C28	95.7	10.0	10/13/2015	ND	192	95.9	200	1.62	

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 116 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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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): 3, 9, 4, 10, 11 **Township:** 18S **Range:** 31E

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: Tamano 10 Fed Com #7H	Facility Type: Producing Oil Well

Surface Owner: BLM	Mineral Owner: BLM	API No. 30-015-39685
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	10	18S	31E	2125'	North	455'	West	Eddy

Latitude 32.7624944 Longitude -103.8622333

NATURE OF RELEASE

Type of Release: Oil/produced water	Volume of Release: estimated 20 bbls	Volume Recovered: 8 bbls Oil/ 12bbls PW
Source of Release: Flowline	Date and Hour of Occurrence 7-17-15	Date and Hour of Discovery 7-17-15 10:30 am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	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.*
Flow line developed a pin hole causing release. Well was shut in to stop the release.

Describe Area Affected and Cleanup Action Taken.*
Affected area- Leak point was an estimated 250 yards Southeast of well head in pasture down pipeline right of way. 2000 square feet of the right of way was affected. Vacuum truck was used to recover all standing fluid.

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>OIL CONSERVATION DIVISION</u>	
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 <input type="checkbox"/>
Date: 7-20-15	Phone: 575-602-2188	

* Attach Additional Sheets If Necessary