



**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](mailto: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, USDA  
swisstopo, and the GIS User Community

## Diversified Environmental Services

**Company Name:** Mewbourne  
**Location Name:** Tamano 10 Fed Com #6H

SP Date: 9/29/2015  
Rel Date:

[illegible]

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples



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

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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](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,

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:	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)**

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	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*	<b>0.211</b>	0.050	10/06/2015	ND	1.76	87.9	2.00	0.776	
Total Xylenes*	<b>0.404</b>	0.150	10/06/2015	ND	5.96	99.3	6.00	1.07	
Total BTX	<b>0.615</b>	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	<b>80.0</b>	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	<b>7360</b>	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



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 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, SM4500Cl-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

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Celey D. Keene, Lab Director/Quality Manager



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

## ANALYSIS REQUEST

+ Cardinal cannot accept verbal answers



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

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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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Sincerely,

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Lab Director/Quality Manager

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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)**

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	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 BTX	<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	
<b>DRO &gt;C10-C28</b>	<b>95.7</b>	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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Celey D. Keene, Lab Director/Quality Manager

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Celey D. Keene, Lab Director/Quality Manager





(575) 393-2326 FAX (575) 393-2476

RHS

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

#54



# *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 E	Section 10	Township 18S	Range 31E	Feet from the 2125'	North/South Line North	Feet from the 455'	East/West Line West	County 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: 	<b>OIL CONSERVATION DIVISION</b>		
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