



Tamano 10 Fed Com #7H

Unit Letter E, Section 10, T18S R31E

API: 30-015-39685

Eddy County, NM

NMOCD Case #: 2R-3142

Closure Report

Table of Contents

- 1 Introduction
- 2 Site Activities
- 3 Conclusion

APPENDICES

Appendix I – Initial C-141

Appendix II – Site Map

Appendix III – Soil Delineation Laboratory Analysis

Appendix IV – Soil Bore Installation Laboratory Analysis

Appendix V – Site Photos

Appendix VI – Seeding Report

Appendix VII – Final C-141

Mewbourne Oil Company Tamano 10 Fed Com #7H

1 INTRODUCTION

Mewbourne Oil Company (Mewbourne) has retained Diversified Environmental (DFSI) to address environmental issues for the site detailed herein.

The site is located southwest of Maljamar, NM, in Eddy County. The spill site resulted from a flow line developing a pin hole. A total of approximately 20 bbls of produced water and oil were released with 20 bbls recovered by vacuum truck. An initial C-141 was submitted to the NMOCD on July 20, 2015 and approved on July 21, 2015 (Appendix I).

2 SITE ACTIVITIES

On October 30, 2015, DFSI personnel were on site to obtain samples within the leak area (Appendix II). Three samples were obtained and field sampled for chloride levels, as well as BTEX. The BTEX samples were performed using a Mini Rae Photoionization Detector (PID). Augur refusal was encountered at all three sample points at depths of 5', 8' and 12' bgs, respectively. Due to the safety concerns of the presence of two high-pressure lines operating through the middle of the spill area, attaining confirmation clean samples for this spill was not possible. Samples that were attained before auger refusal were submitted for laboratory analysis at Cardinal Laboratories of Hobbs, NM (Appendix III).

Per NMOCD and BLM request, on December 11, 2015, a soil bore was initiated at the site. Clean samples were obtained at 45' bgs and submitted for laboratory analysis (Appendix IV).

A revised work plan was submitted to NMOCD and BLM on December 18, 2015. Beginning January 8, 2016, DFSI personnel were on site to excavate the area to 4' bgs (Appendix V). The excavation was backfilled with clean, imported topsoil to ground surface and contoured to the surrounding area. Contaminated soil was properly disposed of at an NMOCD approved facility. An approximate area of 1 acre was seeded with LPC mix (Appendix VI).

3 CONCLUSION

According to the Chevron-Texaco depth to groundwater map, depth to groundwater in the area averages 300 ft. bgs. Based on the report and work completed, any remaining chloride and BTEX components in the vadose zone will not affect groundwater beneath this site, with vegetation expected to return to normal; therefore, DFSI, on behalf of Mewbourne, submits the final C-141 (Appendix VII) and respectfully requests the closure of this regulatory file.

Appendix I

INITIAL C-141

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394

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

NAB1520255917

OPERATOR

Initial Report Final Report

Name of Company: Mewbourne Oil Company <u>147744</u>	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.	

NM OIL CONSERVATION
ARTESIA DISTRICT
JUL 20 2015

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.

RECEIVED

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>Z. Thomas</u>	OIL CONSERVATION DIVISION	
Printed Name: Zack Thomas	Approved by Environmental Specialist: <u>H. [Signature]</u>	
Title: Environmental Rep.	Approval Date: <u>7/21/15</u>	Expiration Date: <u>NIA</u>
E-mail Address: zthomas@mewbourne.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 7-20-15 Phone: 575-602-2188	Remediation per O.C.D. Rules & Guidelines	

**SUBMIT REMEDIATION PROPOSAL NO
LATER THAN: 8/22/15**

2RP-3142

* Attach Additional Sheets If Necessary

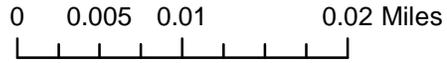
Appendix II

SITE MAP

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394

Site Diagram

**Mewbourne, Tamano 10 Fed Com 7H
UL/E, Sec. 10 T18S R31E
Eddy County, NM
Drafted By: Lance Crenshaw, 10-30-15**



**Spill Area:
2,135 sq. ft.**

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



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-c
swisstopo, and the GIS User Communi

Appendix III

SOIL DELINEATION LABORATORY ANALYSIS

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394



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

November 02, 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 10/30/15 14:20.

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:	10/30/2015	Sampling Date:	10/30/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	TAMANO 10 FED COM #7H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

Sample ID: SAMPLE PT. 1 @ 4' (H502855-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	11.3	2.00	11/02/2015	ND	1.96	98.0	2.00	0.345	
Toluene*	114	2.00	11/02/2015	ND	2.16	108	2.00	0.207	
Ethylbenzene*	99.8	2.00	11/02/2015	ND	1.96	98.1	2.00	1.19	
Total Xylenes*	146	6.00	11/02/2015	ND	6.23	104	6.00	1.36	
Total BTEX	371	12.0	11/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	11/02/2015	ND	384	96.0	400	4.08	

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	2670	50.0	11/02/2015	ND	208	104	200	1.44		
DRO >C10-C28	10600	50.0	11/02/2015	ND	223	112	200	1.44		

Surrogate: 1-Chlorooctane 175 % 35-147

Surrogate: 1-Chlorooctadecane 249 % 28-171

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:	10/30/2015	Sampling Date:	10/30/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	TAMANO 10 FED COM #7H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

Sample ID: SAMPLE PT. 2 @ 7' (H502855-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.85	2.00	11/02/2015	ND	1.96	98.0	2.00	0.345	
Toluene*	66.8	2.00	11/02/2015	ND	2.16	108	2.00	0.207	
Ethylbenzene*	76.8	2.00	11/02/2015	ND	1.96	98.1	2.00	1.19	
Total Xylenes*	96.2	6.00	11/02/2015	ND	6.23	104	6.00	1.36	
Total BTEX	245	12.0	11/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	11/02/2015	ND	384	96.0	400	4.08	

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	1970	50.0	11/02/2015	ND	208	104	200	1.44		
DRO >C10-C28	7840	50.0	11/02/2015	ND	223	112	200	1.44		

Surrogate: 1-Chlorooctane 154 % 35-147

Surrogate: 1-Chlorooctadecane 215 % 28-171

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*=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:	10/30/2015	Sampling Date:	10/30/2015
Reported:	11/02/2015	Sampling Type:	Soil
Project Name:	TAMANO 10 FED COM #7H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

Sample ID: SAMPLE PT. 3 @ 11' (H502855-03)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	11/02/2015	ND	1.96	98.0	2.00	0.345	
Toluene*	1.30	0.100	11/02/2015	ND	2.16	108	2.00	0.207	
Ethylbenzene*	4.41	0.100	11/02/2015	ND	1.96	98.1	2.00	1.19	
Total Xylenes*	20.4	0.300	11/02/2015	ND	6.23	104	6.00	1.36	
Total BTEX	26.1	0.600	11/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 145 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	11/02/2015	ND	384	96.0	400	4.08	

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	571	50.0	11/02/2015	ND	208	104	200	1.44	
DRO >C10-C28	7460	50.0	11/02/2015	ND	223	112	200	1.44	

Surrogate: 1-Chlorooctane 147 % 35-147

Surrogate: 1-Chlorooctadecane 217 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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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.
- 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





CARDINAL
Laboratories

RUSH

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: Newbourn
 Project Manager: Zach Thomas
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: _____
 Project Name: Newbourn
 Project Location: Tamano 10 Fed Com #74
 Sampler Name: Chris Flores
 P.O. #: 19313
 Company: DESI Environmental
 Attn: Laine Crewshaw
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____
 Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	Chloride	BTEX	TPH
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
<u>H502855</u>	<u>1</u> Sample Point 2 @ 4'	<u>G</u>	<u>1</u>			<u>✓</u>					<u>10-30-2015</u>	<u>9:20 AM</u>	<u>X</u>	<u>X</u>	<u>X</u>
	<u>2</u> Sample Point 2 @ 7'	<u>G</u>	<u>1</u>			<u>✓</u>					<u>11:15 AM</u>	<u>11:15 AM</u>	<u>X</u>	<u>X</u>	<u>X</u>
	<u>3</u> Sample Point 3 @ 11'	<u>G</u>	<u>1</u>			<u>✓</u>					<u>12:50 PM</u>	<u>12:50 PM</u>	<u>X</u>	<u>X</u>	<u>X</u>

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 interruption, 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 listed theories or otherwise.

Relinquished By: _____
 Relinquished By: _____
 Date: 10-30-2015
 Time: 2:30
 Received By: _____
 Received By: _____
 Date: _____
 Time: _____
 Delivered By: (Circle One)
 Sampler - UPS - Bus - Other: 5:22
 Sample Condition
 Cool Intact
 Yes Yes
 No No
 CHECKED BY: _____
 REMARKS: email to Zach Thomas @ newbourn.com
reveshau @ davis.fiedesi.com
malves @
mburton @
mpatterson @
cflores @

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

Appendix IV

SOIL BORE INSTALLATION LABORATORY ANALYSIS

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394



December 17, 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 12/15/15 8:10.

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:	12/15/2015	Sampling Date:	12/11/2015
Reported:	12/17/2015	Sampling Type:	Soil
Project Name:	TAMANO 10 FED COM #7H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE		

Sample ID: SOIL BORE 1 @ 45' (H503245-01)

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	12/16/2015	ND	1.95	97.5	2.00	0.179	
Toluene*	<0.050	0.050	12/16/2015	ND	1.97	98.6	2.00	0.739	
Ethylbenzene*	<0.050	0.050	12/16/2015	ND	2.00	100	2.00	0.0556	
Total Xylenes*	<0.150	0.150	12/16/2015	ND	5.99	99.9	6.00	0.291	
Total BTEX	<0.300	0.300	12/16/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/15/2015	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	12/15/2015	ND	206	103	200	3.57	
DRO >C10-C28	49.3	10.0	12/15/2015	ND	190	95.1	200	4.23	

Surrogate: 1-Chlorooctane 101 % 35-147
Surrogate: 1-Chlorooctadecane 89.9 % 28-171

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



Celey D. Keene, Lab Director/Quality Manager

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

Company Name: <u>Newburne</u>		P.O. #:	
Project Manager: <u>Zack Thomas</u>		Company: <u>Newburne</u>	
Address:		Attn:	
City:		Address:	
State:		City:	
Zip:		State:	
Phone #:		Phone #:	
Fax #:		Fax #:	
Project #:		Zip:	
Project Name: <u>Newburne</u>			
Project Location: <u>Tamano 10 7H</u>			
Sampler Name: <u>Chris Flores</u>			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV			
1503245	Soil Bore 1 @ 45	G	1								12/11/15	4:20 PM	Chloride Tph BTEX

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 interruption, 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. Requesters of whether such claim is based upon any of the above listed reasons or otherwise.

Relinquished By: [Signature] Date: 12-15-15 Time: 2:10

Received By: [Signature] Date: 12/11/15 Time: 4:20 PM

Delivered By: (Circle One) UPS - UPS - Bus - Other: -1.40

Sample Condition: Cool Intact Yes No

CHECKED BY: [Signature]

REMARKS: email to: krenshaw@diversifiedsi.com

mbourne@wpaterson.com
 C Flores@

Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:

Appendix V

SITE PHOTOS



Tamano 10 Fed Com #7H

PHOTO PAGE



Collecting auger samples, facing northeast
10/30/2015



Exporting soil
1/8/2016



Excavating site
1/8/2016



Completed excavating
1/12/2016



Site completed, facing northeast 3/11/2016



Site completed, facing northwest 3/11/2016



Site completed, facing southwest 3/11/2016



Site completed, facing southeast 3/11/2016

Appendix VI

SEEDING REPORT

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394

DIVERSIFIED FIELD SERVICES, INC.

Project: Tamano 10-7H

Date Started: 1-1-16

Seed and lbs. used: 1 Acre LPC Mix

Date Completed: 1-9-16

Curtis and Curtis, Inc.

4500 North Prince
Clovis, NM 88130
Phone: (575) 762-4759
www.curtisseed.com

Diversified Construction
1 Acre LPC Mix.
1 - 1 Acre bag @ 44.47 Bulk Pounds
Job: Tamano 107H

Lot#: M-13422

Item	Origin	Purity	Germ	Dormant	Total Germination	Test Date	Total Pounds
Plains Bristlegrass VNS	Oklahoma	11.71%	15.00%	81.00%	96.00%	10/15	5.0
Sideoats Grama El Reno	Texas	14.24%	77.00%	2.00%	79.00%	09/15	5.00
Big Bluestem Kaw	Missouri	13.77%	93.00%	5.00%	98.00%	10/15	6.00
Coreopsis Plains	Colorado	5.00%	84.00%	6.00%	90.00%	09/15	2.00
Sand Dropseed VNS	Texas	2.44%	33.00%	59.00%	92.00%	10/15	1.00
Four-Wing Saltbush VNS	New Mexico	33.18%	22.00%	39.00%	61.00%	10/15	9.00
Little Bluestem VNS	Texas	6.95%	47.00%	50.00%	97.00%	09/15	3.00
Other Crop:	0.02%	There Are 1 Bags For This Mix		Total Bulk Pounds:			44
Weed Seed:	0.00%	This Bag Weighs 44.47 Bulk Pounds					
Inert Matter:	12.69%	Use This Bag For 1 Acres					

Supervisor: 

Appendix VII

FINAL C-141

Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240
(575) 964-8394