



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

November 10, 2014

ZACK THOMAS

MEWBOURNE OIL COMPANY

P. O. BOX 5270

HOBBS, NM 88240

RE: DORADO 34 FED COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 11/03/14 16:35.

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 style with a large, stylized '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: 11/03/2014
Reported: 11/10/2014
Project Name: DORADO 34 FED COM #1H
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 11/03/2014
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: SAMPLE #1 1.5' BGS (H403388-01)

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	11/06/2014	ND	1.93	96.7	2.00	1.60	
Toluene*	<0.050	0.050	11/06/2014	ND	1.88	94.0	2.00	0.440	
Ethylbenzene*	<0.050	0.050	11/06/2014	ND	1.79	89.3	2.00	1.12	
Total Xylenes*	<0.150	0.150	11/06/2014	ND	5.26	87.7	6.00	2.03	
Total BTX	<0.300	0.300	11/06/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 61-154

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	11/05/2014	ND	193	96.4	200	0.670	
DRO >C10-C28	<10.0	10.0	11/05/2014	ND	216	108	200	0.360	

Surrogate: 1-Chlorooctane 94.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 99.2 % 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: 11/03/2014
Reported: 11/10/2014
Project Name: DORADO 34 FED COM #1H
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 11/03/2014
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: SAMPLE #2 1.5' BGS (H403388-02)

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	11/07/2014	ND	1.93	96.7	2.00	1.60	
Toluene*	<0.050	0.050	11/07/2014	ND	1.88	94.0	2.00	0.440	
Ethylbenzene*	<0.050	0.050	11/07/2014	ND	1.79	89.3	2.00	1.12	
Total Xylenes*	<0.150	0.150	11/07/2014	ND	5.26	87.7	6.00	2.03	
Total BTX	<0.300	0.300	11/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 61-154

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	11/05/2014	ND	193	96.4	200	0.670	
DRO >C10-C28	<10.0	10.0	11/05/2014	ND	216	108	200	0.360	

Surrogate: 1-Chlorooctane 95.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.4 % 52.1-176

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