

November 07, 2014

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

RE: DORADO 34 DA 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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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)

Celey D. Keine

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,

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 Sampling Date: 11/03/2014

Reported: 11/07/2014 Sampling Type: Soil

Project Name: DORADO 34 DA FED COM #1H Sampling Condition: ** (See Notes)
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EDDY COUNTY, NM

Sample ID: SAMPLE #1 2' BGS (H403389-01)

BTEX 8021B	mg/	kg	Analyze	d 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 BTEX	<0.300	0.300	11/06/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 %	61-154	!						
TPH 8015M	mg/	kg	Analyze	d 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	100 %	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	104 9	52.1-17	6						

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

MEWBOURNE OIL COMPANY ZACK THOMAS P. O. BOX 5270

HOBBS NM, 88240

Fax To: (575) 937-6252

Received: 11/03/2014 Sampling Date: 11/03/2014

Reported: 11/07/2014 Sampling Type: Soil

Project Name: DORADO 34 DA FED COM #1H Sampling Condition: ** (See Notes)
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EDDY COUNTY, NM

Sample ID: SAMPLE #2 2' BGS (H403389-02)

BTEX 8021B	mg/	kg	Analyze	d 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 BTEX	<0.300	0.300	11/06/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	61-154	!						
TPH 8015M	mg/	kg	Analyze	d 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	103 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	104 9	52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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Received: 11/03/2014 Sampling Date: 11/03/2014

Reported: 11/07/2014 Sampling Type: Soil

Project Name: DORADO 34 DA FED COM #1H Sampling Condition: ** (See Notes)
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EDDY COUNTY, NM

Sample ID: SAMPLE #3 2' BGS (H403389-03)

BTEX 8021B	mg/	kg	Analyze	d 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 BTEX	<0.300	0.300	11/06/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	61-154	!						
TPH 8015M	mg/	kg	Analyze	d 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	105 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	106 9	52.1-17	6						

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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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Celeg D. Freene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

company Name:	The boarder		BILL TO		ANALYSIS F	REQUEST
Project Manager:	0		P.O. #:			
Address:			Company:			
City:	State:	Zip:	Attn:			
Phone #:	Fax #:		Address:			
Project #:	Project Owner:		City:			
Profiect Name:	obrado 34 by F	Fed Com#1HE	H State: Zip:	,		
Project Location:			Phone #:			
Sampler Name:			Fax #:	}		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING			
Lab I.D.	Sample I.D.	OR (C)OMP. FAINERS NDWATER EWATER	ASE: DOL	PHE		
1403389		# CON GROU	ACID/E ICE / C OTHER	TIME		
-	sample 1 2: BGS	-		1:35 1		
2	2 21 865			1:45 / /		
W	3 21865	-	-	2:00 V V		
PLEASE NOTE: Liability and Damages. Cardinal's liability a analyses. All daims including those for negligence and any service. In no event shall Cardinal be liable for incidental or affiliates or successors arising out of or related to the perform	nd client's exclusive remother cause whatsoever somequental damages, is	edy for any claim arising whether based in contract that the deemed waived unless made in writing and chall the deemed waived unless made in writing and notuding without limitation, business interruptions, to fair by Cardinal renardless of whether such claim is der by Cardinal renardless of whether such claim is	ontract or tort, shall be limited to the amount paid by the client for ing and received by Cardinal within 30 days after completion of the titlons, loss of use, or loss of profits incurred by client, its subsidiars below is based into may of the above staked resons or or theways claim is based into may of the above staked resons or or theways.	by the client for the completion of the applicable ent, its subsidiaries, one or otherwise.		
Relinquished By:	Date: 1/14	Received By:	enson	Phone Result: Yes Fax Result: Yes REMARKS: + Lal	ONO Add'I Phone #: No Add'I Fax #:	a Add'I Phone #: Add'I Fax #: The Dibught diverty
Kepinquisned by:	Time:	Received By:		to lab.	#	(
Delivered By: (Circle One)			on CHECKED BY:		_	
Sampler - UPS - Bus - Other:	Bus - Other: 12.8c		N N			