



June 20, 2014

ZACK THOMAS

MEWBOURNE OIL COMPANY

P. O. BOX 5270

HOBBS, NM 88240

RE: QUICK DRAW 10 G #1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/13/14 16:12.

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, 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:	06/13/2014	Sampling Date:	06/13/2014
Reported:	06/20/2014	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 G #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

Sample ID: #1- 1.5' MIDDLE S/W (H401815-01)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2014	ND	2.10	105	2.00	0.112	
Toluene*	<0.050	0.050	06/18/2014	ND	2.25	112	2.00	0.494	
Ethylbenzene*	<0.050	0.050	06/18/2014	ND	2.04	102	2.00	0.631	
Total Xylenes*	<0.150	0.150	06/18/2014	ND	6.31	105	6.00	1.19	
Total BTEX	<0.300	0.300	06/18/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	06/18/2014	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	06/20/2014	ND	174	86.9	200	2.32	
DRO >C10-C28	<10.0	10.0	06/20/2014	ND	208	104	200	4.18	

Surrogate: 1-Chlorooctane 70.9 % 65.2-140
Surrogate: 1-Chlorooctadecane 69.3 % 63.6-154

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:	06/13/2014	Sampling Date:	06/13/2014
Reported:	06/20/2014	Sampling Type:	Soil
Project Name:	QUICK DRAW 10 G #1 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

Sample ID: #2- 2.5 ' S/E END (H401815-02)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2014	ND	2.10	105	2.00	0.112	
Toluene*	<0.050	0.050	06/18/2014	ND	2.25	112	2.00	0.494	
Ethylbenzene*	<0.050	0.050	06/18/2014	ND	2.04	102	2.00	0.631	
Total Xylenes*	<0.150	0.150	06/18/2014	ND	6.31	105	6.00	1.19	
Total BTEX	<0.300	0.300	06/18/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	06/18/2014	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	06/20/2014	ND	174	86.9	200	2.32	
DRO >C10-C28	<10.0	10.0	06/20/2014	ND	208	104	200	4.18	

Surrogate: 1-Chlorooctane 72.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 74.7 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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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



Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

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: <u>InTouch Service</u>		P.O. #:																
Project Manager: <u>Barry/Zack Thomas</u>		Company: <u>Westshore Oil</u>																
Address: <u>1701 North 1st</u>		Attn: <u>Zack Thomas</u>																
City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u>		Address:																
Phone #: <u>575-244-6665</u> Fax #:		City: <u>Hobbs</u>																
Project #: <u>2</u> Project Owner:		State: <u>NM</u> Zip:																
Project Name: <u>Quick Draw 10G #1 Battery</u>		Phone #: <u>575-602-2188</u>																
Project Location: <u>Eddy</u>		Fax #:																
Sampler Name: <u>Gar Smith</u>																		
FOR LAB USE ONLY																		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.	SAMPLING	DATE	TIME	REMARKS	PHONE RESULT	ADD'l PHONE #	ADD'l FAX #
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:								
<u>H401815</u>	<u>#1-1 1/2 feet middle S/E</u>			<input checked="" type="checkbox"/>									<u>6-13-14</u>	<u>12:00</u>	<u>Box</u>	<input type="checkbox"/>	<input type="checkbox"/>	
	<u>#2-2 1/2 feet S/E End</u>			<input checked="" type="checkbox"/>									<u>6-13-14</u>	<u>12:30</u>	<u>Tph</u>	<input type="checkbox"/>	<input type="checkbox"/>	
															<u>Chloride</u>	<input type="checkbox"/>	<input type="checkbox"/>	

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Relinquished By: Barry Smith Date: 6-13-14 Received By: Dan Hufsch

Relinquished By: Barry Smith Date: 6-13-14 Received By: Dan Hufsch

Delivered By: (Circle One) UPS - UPS - Bus - Other: 1.8e

Sample Condition: Cool Intact Yes No

CHECKED BY: RP (Initials)

REMARKS: E-mail TST Backhoe

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476