



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

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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](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:	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, SM4500Cl-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

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\*=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

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Celey D. Keene, Lab Director/Quality Manager



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:	Trachhoe Service	P.O. #:	
Project Manager:	Barry Zach Thomas	Company:	Nebraska Oil
Address:	1701 North 1st	Attn:	Zach Thomas
City:	Artesia	State:	NM Zip: 88240
Phone #:	575-744-6665	Fax #:	
Project #:	2	Project Owner:	
Project Name:	Quick Draw 10G #1 Battery	City:	Hobbs
Project Location:	Eddy	State:	NM Zip:
Sample Name:	Gar Smith	Phone #:	575-602-2188
FOR LAB USE ONLY		Fax #:	

MATRIX		PRESERV	SAMPLING										
(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE	
OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME			
14401815		#1-11/2" mid S/E		✓		✓		6-13-14		12:00		✓	
2		#2-3/4" S/E End		✓		✓		6-13-14		12:30		✓	

Box  
Tph  
Chloride

Lab I.D.	Sample I.D.	Date:	6-13-14	Received By:	Barry Zach Thomas
		Time:	12:00	Relinquished By:	Barry Zach Thomas
		Date:		Time:	
		Date:		Time:	

Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)	REMARKS:
Sampler - UPS - Bus - Other:	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	RP	E-mail Trachhoe

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