

Bratcher, Mike, EMNRD

From: Zack Thomas <zthomas@mewbourne.com>
Sent: Tuesday, June 17, 2014 8:05 AM
To: Bratcher, Mike, EMNRD
Subject: Long Draw 4 P Final C141/ Soil Samples
Attachments: C141- Long Draw 4 P Battery Final.pdf; Long Draw 4 P Battery 6-16-14.pdf

Mike,

Attached is the final C141 and soil sample results for the Long Draw 4 P Battery release on 5/21/2014. Will you please send me a copy of both the initial and final C141s that you have signed as well for our records.

Thanks,



Zack Thomas
Mewbourne Oil Company
PO Box 5270
Hobbs, NM 88241 US

Phone: (575) 393-5905 | Fax: (575) 397-6252
(575) 602-2188
Email: zthomas@mewbourne.com



June 16, 2014

GARY SMITH

TNT Backhoe Service

P.O. Box 133

Artesia, NM 88211

RE: LONG DRAW "4" BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/04/14 14:10.

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,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 TNT Backhoe Service
 GARY SMITH
 P.O. Box 133
 Artesia NM, 88211
 Fax To: (505) 746-1885

Received:	06/04/2014	Sampling Date:	06/04/2014
Reported:	06/16/2014	Sampling Type:	Soil
Project Name:	LONG DRAW "4" BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: #1 @ 2' (H401706-01)

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	06/06/2014	ND	2.09	105	2.00	1.02		
Toluene*	<0.050	0.050	06/06/2014	ND	2.24	112	2.00	0.546		
Ethylbenzene*	<0.050	0.050	06/06/2014	ND	2.03	101	2.00	1.45		
Total Xylenes*	<0.150	0.150	06/06/2014	ND	6.41	107	6.00	2.72		
Total BTEX	<0.300	0.300	06/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/05/2014	ND	400	100	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	06/09/2014	ND	191	95.4	200	3.91		
DRO >C10-C28	<10.0	10.0	06/09/2014	ND	197	98.3	200	4.65		

Surrogate: 1-Chlorooctane 79.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 83.6 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TNT Backhoe Service
 GARY SMITH
 P.O. Box 133
 Artesia NM, 88211
 Fax To: (505) 746-1885

 Received: 06/04/2014
 Reported: 06/16/2014
 Project Name: LONG DRAW "4" BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 06/04/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: #2 @ 2' (H401706-02)

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	06/06/2014	ND	2.09	105	2.00	1.02		
Toluene*	<0.050	0.050	06/06/2014	ND	2.24	112	2.00	0.546		
Ethylbenzene*	<0.050	0.050	06/06/2014	ND	2.03	101	2.00	1.45		
Total Xylenes*	<0.150	0.150	06/06/2014	ND	6.41	107	6.00	2.72		
Total BTEX	<0.300	0.300	06/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	06/05/2014	ND	400	100	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	06/09/2014	ND	191	95.4	200	3.91		
DRO >C10-C28	<10.0	10.0	06/09/2014	ND	197	98.3	200	4.65		

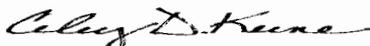
Surrogate: 1-Chlorooctane 83.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.2 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TNT Backhoe Service
 GARY SMITH
 P.O. Box 133
 Artesia NM, 88211
 Fax To: (505) 746-1885

Received:	06/04/2014	Sampling Date:	06/04/2014
Reported:	06/16/2014	Sampling Type:	Soil
Project Name:	LONG DRAW "4" BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: #3 @ 2' (H401706-03)

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	06/06/2014	ND	2.09	105	2.00	1.02		
Toluene*	<0.050	0.050	06/06/2014	ND	2.24	112	2.00	0.546		
Ethylbenzene*	<0.050	0.050	06/06/2014	ND	2.03	101	2.00	1.45		
Total Xylenes*	<0.150	0.150	06/06/2014	ND	6.41	107	6.00	2.72		
Total BTEX	<0.300	0.300	06/06/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/05/2014	ND	400	100	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	06/10/2014	ND	191	95.4	200	3.91		
DRO >C10-C28	<10.0	10.0	06/10/2014	ND	197	98.3	200	4.65		

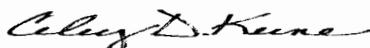
Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

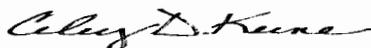
Notes and Definitions

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

Company Name: <u>TST Backhoe Service</u>				BILL TO				ANALYSIS REQUEST																							
Project Manager: <u>Gray Smull</u>				P.O. #:				<div style="display: flex; justify-content: space-around; font-size: 2em; font-weight: bold;"> BTEX THP TPH Chloride </div>																							
Address: <u>1701 North 1st</u>				Company: <u>Melbourne Oil</u>																											
City: <u>Artesia NM</u> State: <u>NM</u> Zip: <u>88210</u>				Attn: <u>Zack Thomas</u>																											
Phone #: <u>575-746-6063</u> Fax #: <u>746-0807</u>				Address:																											
Project #: _____ Project Owner: _____				City: <u>Hobbs</u>																											
Project Name: <u>Long Draw "4" Battery</u>				State: <u>NM</u> Zip: _____																											
Project Location: <u>Eddy County</u>				Phone #: <u>575-602-2198</u>																											
Sampler Name: <u>Gray Smull - Gary Smith</u>				Fax #: _____																											
FOR LAB USE ONLY																															
Lab I.D.		Sample I.D.		# CONTAINERS	MATRIX															PRESERV.		SAMPLING									
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME																
<u>WH01706</u>																															
		<u>1 #1 at 2'</u>												<u>6-4-14</u>	<u>10:00am</u>																
		<u>2 #2 at 2'</u>												<u>6-4-14</u>	<u>10:30am</u>																
		<u>3 #3 at 2'</u>												<u>6-4-14</u>	<u>11:00am</u>																

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Relinquished By: <u>Gray Smull</u>		Date: <u>6-4-14</u>		Received By: <u>Jodi Henson</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time: <u>2:10</u>				Fax Result: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By: _____		Date: _____		Received By: _____		REMARKS: <u>E-mail - TstBackhoeService@ptt.net.us.net</u> <u>Fax 575-746-0807</u>			
		Time: _____							
Delivered By: (Circle One)				Sample Condition		CHECKED BY:			
Sampler - UPS - Bus - Other: _____				<u>5.2°</u>		<u>[Signature]</u>			

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