



April 01, 2015

ROBERT ASHER

ABO PETROLEUM CORPORATION

105 SOUTH 4TH STREET

ARTESIA, NM 88210

RE: ANGLE STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 03/27/15 11:15.

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:

 ABO PETROLEUM CORPORATION
 ROBERT ASHER
 105 SOUTH 4TH STREET
 ARTESIA NM, 88210
 Fax To:

Received:	03/27/2015	Sampling Date:	03/24/2015
Reported:	04/01/2015	Sampling Type:	Soil
Project Name:	ANGLE STATE #1	Sampling Condition:	Cool & Intact
Project Number:	30-025-01984	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY		

Sample ID: C00.25 R.P. (H500821-01)

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	03/31/2015	ND	2.04	102	2.00	4.46	
Toluene*	0.069	0.050	03/31/2015	ND	1.86	92.9	2.00	7.17	
Ethylbenzene*	<0.050	0.050	03/31/2015	ND	1.81	90.3	2.00	7.28	
Total Xylenes*	<0.150	0.150	03/31/2015	ND	5.49	91.5	6.00	7.97	
Total BTEX	<0.300	0.300	03/31/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	03/27/2015	ND	192	96.2	200	1.47	
DRO >C10-C28	<10.0	10.0	03/27/2015	ND	204	102	200	5.54	

Surrogate: 1-Chlorooctane 90.0 % 47.2-157
Surrogate: 1-Chlorooctadecane 102 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 ABO PETROLEUM CORPORATION
 ROBERT ASHER
 105 SOUTH 4TH STREET
 ARTESIA NM, 88210
 Fax To:

 Received: 03/27/2015
 Reported: 04/01/2015
 Project Name: ANGLE STATE #1
 Project Number: 30-025-01984
 Project Location: LEA COUNTY

 Sampling Date: 03/24/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: C00.25 (H500821-02)

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	03/31/2015	ND	2.04	102	2.00	4.46	
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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

