



August 06, 2014

CHASE SETTLE

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: BELCO AIA FEDERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 07/30/14 15:30.

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 style.

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 YATES PETROLEUM CORPORATION  
 CHASE SETTLE  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

Received:	07/30/2014	Sampling Date:	07/29/2014
Reported:	08/06/2014	Sampling Type:	Soil
Project Name:	BELCO AIA FEDERAL #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: STOCKPILE - 1' (H402355-01)**

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	08/02/2014	ND	1.64	82.2	2.00	14.7	
Toluene*	<0.050	0.050	08/02/2014	ND	1.67	83.7	2.00	13.2	
Ethylbenzene*	<0.050	0.050	08/02/2014	ND	1.61	80.7	2.00	13.6	
Total Xylenes*	<0.150	0.150	08/02/2014	ND	5.02	83.7	6.00	13.1	
Total BTEX	<0.300	0.300	08/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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
<b>Chloride</b>	<b>272</b>	16.0	08/05/2014	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	08/04/2014	ND	200	99.8	200	2.11	
<b>DRO &gt;C10-C28</b>	<b>74.7</b>	10.0	08/04/2014	ND	207	104	200	4.91	

Surrogate: 1-Chlorooctane 92.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 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



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Celey D. Keene, Lab Director/Quality Manager



**ARDINAL LABORATORIES**  
101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

**CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST**

Project Manager: Chase Settle

Company: (505) 393-2326 Yates Petroleum Corporation

Company Address: 105 South 4th Street

City/State/Zip: Artesia, NM 88210

Telephone No: 575-748-4171

Sampler Signature:

e-mail: [csettle@yatespetroleum.com](mailto:csettle@yatespetroleum.com)

Fax No: 575-748-4131

Report Format:  Standard  TRRP  NPDES

PO #: 205750

Project Name:

Belco AIA Federal Battery

Project #:

Project Loc:

Belco AIA Federal Battery

ORDER #: <b>H402355-</b>		(lab use only)	
LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth
1	STOCKPILE-1'		
		Date Sampled	Time Sampled
		7/29/2014	3:00 PM
		Field Filtered	Total #. of Containers
			1
Preservation & # of Containers		Matrix	
	Ice		
	HNO <sub>3</sub>		
	HCl		
	H <sub>2</sub> SO <sub>4</sub>		
	NaOH		
	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>		
	None		
	Other (Specify)		
	DW=Drinking Water SL=Sludge		
	GW = Groundwater S=Soil/Solid		
	NP=Non-Potable Specify Other		
	TPH: 418.1 8015M <b>8015B</b>		
	TPH: TX 1005 TX 1006		
	Cations (Ca, Mg, Na, K)		
	Anions (Cl, SO <sub>4</sub> , Alkalinity)		
	SAR / ESP / CEC		
	Metals: As Ag Ba Cd Cr Pb Hg Se		
	Volatiles		
	Semivolatiles		
	<b>BTEX 8021B/5030 or BTEX 8260</b>		
	RCI		
	N.O.R.M.		
	Chlorides		
	SAR		
	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs		
	Standard TAT		

Relinquished by: Date: 7/30/14 Time: Received by: Date: 7/30/14 Time: 3:30

Relinquished by: Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Laboratory Comments:

Sample Containers Intact?  N

VOCs Free of Headspace?  N

Labels on container(s)  N

Custody seals on container(s)  N

Custody seals on cooler(s)  N

Sample Hand Delivered by Sampler/Client Rep. ?  N

by Courier?  N

UPS  N

DHL  N

FedEx  N

Lone Star  N

Temperature Upon Receipt: **4.6** °C