

**Bratcher, Mike, EMNRD**

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**From:** Bob Asher <BobA@yatespetroleum.com>  
**Sent:** Thursday, November 21, 2013 10:39 AM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** Katie Parker  
**Subject:** Loving AIB Battery

Mike,

Per our conversation today, 11/21/2013, Yates will excavate one (1) foot of impacted soils (green on analytical report) and six (6) feet of impacted soils (yellow on analytic report). This work will start as soon as a contractor can be scheduled. Thank you, Bob Asher This message may contain confidential information and is intended for the named recipient only.

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Analytical Report-1306B45 (Hall)	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
Comp-01.0	Release Area	6/24/2013	Comp/Backhoe	1'	ND	ND	17	10000
Comp-02.0	Release Area	6/24/2013	Comp/Backhoe	2'	ND	ND	ND	2700
Comp-03.0	Release Area	6/24/2013	Comp/Backhoe	3'	ND	ND	ND	250
Comp-01.0	Release Area	6/24/2013	Comp/Backhoe	1'	ND	ND	ND	16000
Comp-02.0	Release Area	6/24/2013	Comp/Backhoe	2'	ND	ND	ND	20000
Comp-03.0	Release Area	6/24/2013	Comp/Backhoe	3'	ND	ND	ND	22000
Analytical Report-1308395 (Hall)	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
C04.0	Release Area	8/7/2013	Comp/Backhoe	4'				8000
C05.0	Release Area	8/7/2013	Comp/Backhoe	5'				12000
C06.0	Release Area	8/7/2013	Comp/Backhoe	6'				21000
C07.0	Release Area	8/7/2013	Comp/Backhoe	7'				21000
C08.0	Release Area	8/7/2013	Comp/Backhoe	8'				18000
C09.0	Release Area	8/7/2013	Comp/Backhoe	9'				17000
Analytical Report-H302772 (Cardinal)	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
c10.0	Release Area	11/7/2013	Comp/Backhoe	10'				5200
c12.0	Release Area	11/7/2013	Comp/Backhoe	12'				14400
c14.0	Release Area	11/7/2013	Comp/Backhoe	14'				4120
c16.0	Release Area	11/7/2013	Comp/Backhoe	16'				2280
c18.0	Release Area	11/7/2013	Comp/Backhoe	18'				384

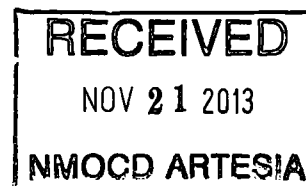
Site Ranking is Ten(10). Depth to Ground Water 50-99' (approx. 55', NMOSE). All results are ppm.

Chloride samples for documentation.

Proposed excavation of impacted soil.

Released: 15 B/O & 100 B/PW; Recovered: 13 B/O & 70 B/PW. Release Date: 5/1/2013

Released: 260 B/PW; Recovered: 245 B/PW. Release Date: 6/4/2013



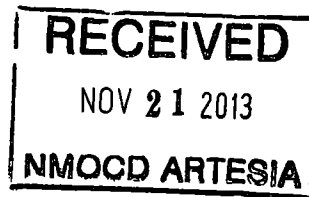
November 19, 2013

ROBERT ASHER

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210



RE: LOVING AIB BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/13/13 11:00.

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).

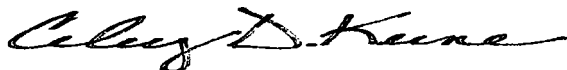
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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,



Caley D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 11/13/2013  
Reported: 11/19/2013  
Project Name: LOVING AIB BATTERY  
Project Number: 103632  
Project Location: EDDY COUNTY, NM

Sampling Date: 11/07/2013  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: C10.0 (H302772-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	11/15/2013	ND	416	104	400	3.92	

**Sample ID: C12.0 (H302772-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14400	16.0	11/15/2013	ND	416	104	400	3.92	

**Sample ID: C14.0 (H302772-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4120	16.0	11/15/2013	ND	416	104	400	3.92	

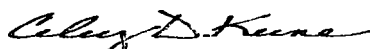
**Sample ID: C16.0 (H302772-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	11/15/2013	ND	416	104	400	3.92	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

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Project Name: LOVING AIB BATTERY  
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Project Location: EDDY COUNTY, NM

Sampling Date: 11/07/2013  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

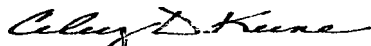
**Sample ID: C18.0 (H302772-05)****Chloride, SM4500Cl-B****mg/kg****Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	11/15/2013	ND	416	104	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

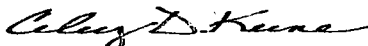
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received 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: Robert Asher

Project Name: Loving AIB Battery

Company Address: 105 South 4th Street

Project #: 30-015-22889

City/State/Zip: Artesia, NM 88210

Project Loc: Eddy County

Telephone No: 575-748-4217

PO #: 103632

Sampler Signature: *Robert Asher*

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

e-mail: *bob@yatespetroleum.com*

bob@yatespetroleum.com

(lab use only)

ORDER #: H302772

LAB # (lab use only)

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

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 8015B

TPH: TX 1005 TX 1006

Cations (Ca, Mg, Na, K)

Anions (Cl)

SAR / ESP / CEC

Metals: As Ag Ba Cd Cr Pb Hg Se

Volatiles

Semivolatiles

BTEX 8021B/5030 or BTEX 8260

RCI

N.O.R.M.

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

Standard TAT

Special Instructions:

CHLORIDES ONLY. ALL results in mg/kg. Thank you.

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Laboratory Comments:

VOCs Free of Headspace?

Seals on container(s)?

Custody seals on container(s)?

Sample Hand Delivered?

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: