

MARTIN YATES, III  
1912-1985  
FRANK W. YATES  
1936-1986  
S. P. YATES  
1914-2008



105 SOUTH FOURTH STREET  
ARTESIA, NEW MEXICO 88210-2118  
TELEPHONE (575) 748-1471

JOHN A. YATES  
CHAIRMAN OF THE BOARD  
JOHN A. YATES JR.  
PRESIDENT  
JOHN D. PERINI  
EXECUTIVE V.P. OF MONETIZATION  
CHIEF FINANCIAL OFFICER  
JAMES S. BROWN  
CHIEF OPERATING OFFICER

January 31, 2013

Mr. Mike Bratcher  
NMOCD District II  
811 S. First Street  
Artesia, NM 88210

Re: Amole AMM Battery  
30-015-27314  
Section 16, T19S-R25E  
Eddy County, New Mexico

Dear Mr. Bratcher,

Enclosed please find a Form C-141, Final Report for the above captioned site regarding the release on December 7, 2012 (2RP-1454). Impacted soils within the bermed/unlined battery of to the above mentioned site were excavated and hauled to an NMOCD approved facility. Vertical and horizontal delineation samples were taken and sent to an NMOCD approved laboratory. Enclosed are the analytical reports, results show TPH and BTEX, to be below RRAL's, based on a site ranking of ten (depth to ground water recorded at 95' per NMOSE, Section 16, T19S-R25E); Yates Petroleum Corporation requests closure based on impacted soils excavated/hauled to an approved NMOCD disposal facility and analytical results.

If you have any questions, please call me at 575-748-4111.

Thank you.

YATES PETROLEUM CORPORATION

Amber Cannon  
Environmental Regulatory Agent

/anc  
Enclosure(s)

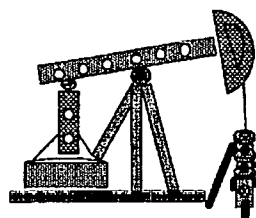
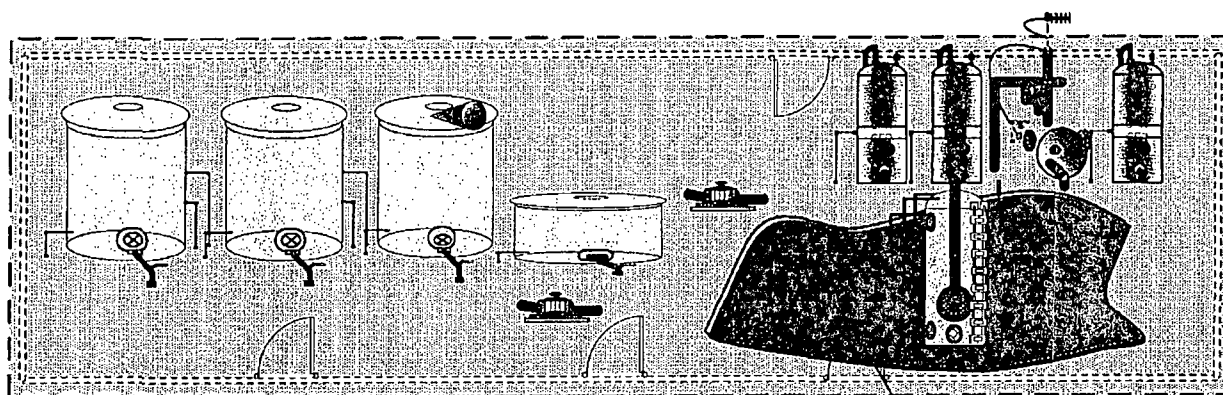
# YATES PETROLEUM CORPORATION

Thursday, January 31, 2013

Amole Battery  
Prop # 11848-001

NW

NE



RELEASE



SW

SE

## Amole AMM Battery

Analytical Report- H202980	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp 00.5	Release Area	12/14/2012	Comp/Shovel	6" (1' BSL)	504	4580	10100	14680	800

Excavated

Analytical Report- H300189	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp 3	Release Area	1/17/2013	Comp/Auger	3'	0.509	37.9	416	453.9	320
Comp 4	Release Area	1/17/2013	Comp/Auger	4'	ND	ND	ND	ND	432

Site Ranking is TEN (10). Depth to Ground Water 50-99' (approx. 95', Section 16-19S-25E, per NMOSE).

All results are ppm.Chlorides for documentation.

Released: 20 B/PW, 10 B/O; Recovered: 5 B/PW, 5 B/O. Release Date: 12/7/2012



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

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December 18, 2012

AMBER CANNON

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: AMOLE AMM BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/12/12 9:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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, reading "Coley D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 Yates Energy Petroleum Corp  
 AMBER CANNON  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

 Received: 12/12/2012  
 Reported: 12/18/2012  
 Project Name: AMOLE AMM BATTERY  
 Project Number: 30-015-27314  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 12/11/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: COMP 00.5 (H202980-01)**

BTEX 8021B		mg/kg	Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	31.8	1.00	12/17/2012	ND	1.90	94.8	2.00	7.49	
Toluene*	178	1.00	12/17/2012	ND	2.07	103	2.00	8.00	
Ethylbenzene*	129	1.00	12/17/2012	ND	2.01	101	2.00	8.89	
Total Xylenes*	166	3.00	12/17/2012	ND	6.13	102	6.00	8.54	
Total BTEX	504	6.00	12/17/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 157 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	4580	50.0	12/14/2012	ND	185	92.7	200	2.52		
DRO >C10-C28	10100	50.0	12/14/2012	ND	207	103	200	3.64		


Surrogate: 1-Chlorooctane 152 % 65.2-140

Surrogate: 1-Chlorooctadecane 244 % 63.6-154

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**


- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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 RECORD AND ANALYSIS REQUEST

Project Manager: Amber Cannon

**Project Name:** Amole AMM Battery

Company Name Yates Petroleum Corporation

**Project #:** 30-015-27314

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip:     Artesia, NM 88210

PO #: 1032020

Telephone No: 575-748-4111 or 575-513-8799

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: Amber Cannon

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

[illegible]



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

December 18, 2012

AMBER CANNON

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

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Method EPA 524.2	Total Trihalomethanes (TTHM)
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Sincerely,

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Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

Yates Energy Petroleum Corp  
AMBER CANNON  
105 S 4th Street  
Artesia NM, 88210  
Fax: (505) 748-4635

Received: 12/12/2012  
Reported: 12/18/2012  
Project Name: AMOLE AMM BATTERY  
Project Number: 30-015-27314  
Project Location: EDDY COUNTY, NM

Sampling Date: 12/11/2012  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: COMP 00.5 (H202980-01)**

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	12/14/2012	ND	416	104	400	8.00	

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Celest D. Keene, Lab Director/Quality Manager



### Notes and Definitions

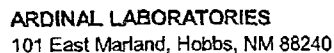
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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

Project Manager: Amber Cannon

**Project Name:** Amole AMM Battery

Company Name Yates Petroleum Corporation

**Project #:** 30-015-27314

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip:     Artesia, NM 88210

PO #: 1032020

Telephone No: 575-748-4111 or 575-513-8799

Fax No: \_\_\_\_\_


Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: Amber Cannon

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

(lab use only)

ORDER #: 1202980

<b>Special Instructions:</b> TPH: 8000, BTEX: 8001 & Chlorides. Please show BTEX results as mg/kg. Please put chlorides on a separate report Thank you.						<b>Laboratory Comments:</b> Sample Containers Intact? VOCs Free of Headspace? Labels on container(s) Custody seals on container(s) Custody seals on cooler(s) Sample Hand Delivered by Sampler/Client Rep. ? by Courier?   UPS   DHL Temperature Upon Receipt:	
Relinquished by:	Date	Time	Received by:	Date	Time		N N N N N N N
Relinquished by:	Date	Time	Received by:	Date	Time		
Relinquished by:	Date	Time	Received by:	Date	Time		

January 31, 2013

AMBER CANNON

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: AMOLE AMM BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/23/13 10:30.

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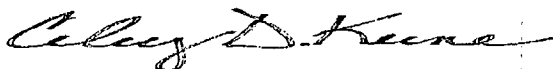
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Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 Yates Energy Petroleum Corp  
 AMBER CANNON  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

 Received: 01/23/2013  
 Reported: 01/31/2013  
 Project Name: AMOLE AMM BATTERY  
 Project Number: 30-015-27314  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 01/17/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: COMP 3' (H300189-01)**

Chloride, SM4500Cl-B

mg/kg

Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	01/28/2013	ND	400	100	400	0.00	

**Sample ID: COMP 4 (H300189-02)**

Chloride, SM4500Cl-B

mg/kg

Analyzed By: DW

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	01/28/2013	ND	400	100	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

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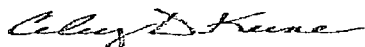
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RPD	Relative Percent Difference
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Celey D. Keene, Lab Director/Quality Manager

### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Amber Cannon

**Project Name:** Amole AMM Battery

Company Name Yates Petroleum Corporation

Project #: 30-015-27314

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip:     Artesia, NM 88210

PO #: 1032020

Telephone No: 575-748-4111 or 575-513-8799

Fax No: \_\_\_\_\_

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: Amber Ginner

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

[illegible]



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

January 31, 2013

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Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

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Sincerely,

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Celey D. Keene

Lab Director/Quality Manager



**Analytical Results For:**

Yates Energy Petroleum Corp  
AMBER CANNON  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 01/23/2013  
Reported: 01/31/2013  
Project Name: AMOLE AMM BATTERY  
Project Number: 30-015-27314  
Project Location: EDDY COUNTY, NM

Sampling Date: 01/17/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: COMP 3' (H300189-01)**

BTEx 8021B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/29/2013	ND	2.19	110	2.00	6.64		
Toluene*	0.061	0.050	01/29/2013	ND	2.20	110	2.00	5.29		
Ethylbenzene*	0.143	0.050	01/29/2013	ND	2.24	112	2.00	4.10		
Total Xylenes*	0.305	0.150	01/29/2013	ND	6.77	113	6.00	4.01		
Total BTEx	0.509	0.300	01/29/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 89.4-126

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	37.9	10.0	01/26/2013	ND	152	76.0	200	12.7		
DRO >C10-C28	416	10.0	01/26/2013	ND	142	70.9	200	15.1		

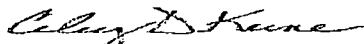
Surrogate: 1-Chlorooctane 94.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Sampling Date: 01/17/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: COMP 4 (H300189-02)**
**BTEX 8021B**

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2013	ND	2.19	110	2.00	6.64	
Toluene*	<0.050	0.050	01/29/2013	ND	2.20	110	2.00	5.29	
Ethylbenzene*	<0.050	0.050	01/29/2013	ND	2.24	112	2.00	4.10	
Total Xylenes*	<0.150	0.150	01/29/2013	ND	6.77	113	6.00	4.01	
Total BTEX	<0.300	0.300	01/29/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 105 % 89.4-126

**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	01/26/2013	ND	152	76.0	200	12.7	
DRO >C10-C28	<10.0	10.0	01/26/2013	ND	142	70.9	200	15.1	

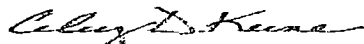
Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

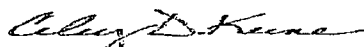
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celestine 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: Amber Cannon

Project Name: Amole AMM Battery

Company Name Yates Petroleum Corporation

Project #: 30-015-27314

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210

PO #: 1032020

Telephone No: 575-748-4111 or 575-513-8799

Fax No: \_\_\_\_\_

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: Amber Cannon

e-mail: acannon@yatespetroleum.com

(lab use only)

ORDER #: H300189

[illegible]

**Special Instructions:**

TT#1: 00159, BT#00 S0213 & Chlorides. Please show BTEX results as mg/kg. Please put chlorides on a separate report Thank you.

## Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N
by Courier?	UPS	DHL
	FedEx	Lone Star

Temperature Upon Receipt: 4 °C