

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/hailed 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)

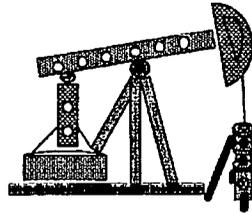
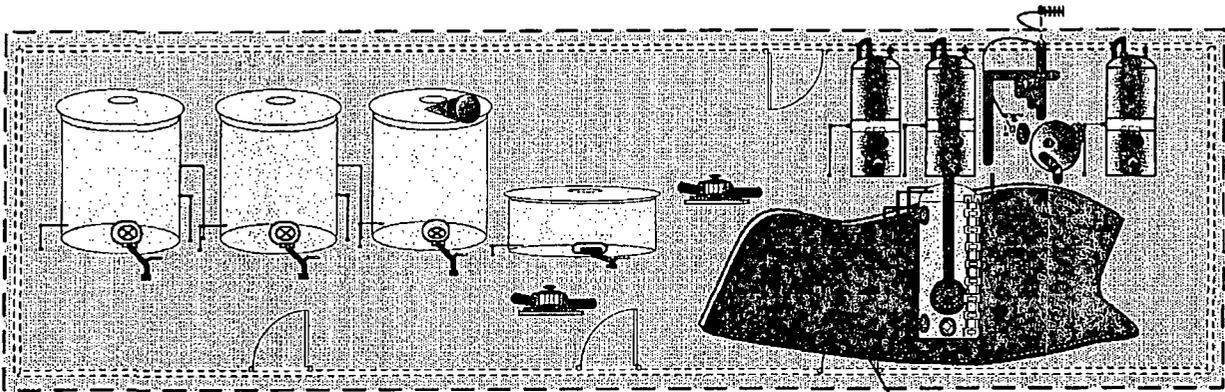
YATES PETROLEUM CORPORATION

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



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.

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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 cursive script that reads "Celey D. Keene".

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	Sampling Date:	12/11/2012
Reported:	12/18/2012	Sampling Type:	Soil
Project Name:	AMOLE AMM BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-27314	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

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

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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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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

RE: AMOLE AMM BATTERY

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

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Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

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Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized initial 'C'.

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	Sampling Date:	12/11/2012
Reported:	12/18/2012	Sampling Type:	Soil
Project Name:	AMOLE AMM BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-27314	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: COMP 00.5 (H202980-01)

Chloride, SM4500Cl-B

mg/kg

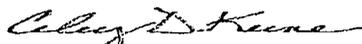
Analyzed By: AP

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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Celey D. Keene, Lab Director/Quality Manager

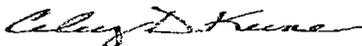
Notes and Definitions

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



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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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

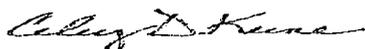
Analyzed By: DW

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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*=Accredited Analyte

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Cefey D. Keene, Lab Director/Quality Manager

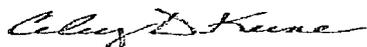
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Celey D. Keene, Lab Director/Quality Manager

January 31, 2013

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Yates Energy Petroleum Corp

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Artesia, NM 88210

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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)

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 (PID) 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

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Coley D. Keene, Lab Director/Quality Manager

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 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 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	

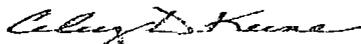
Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

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*=Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager

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Celey D. Keene, Lab Director/Quality Manager

