

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

www.yatespetroleum.com

JOHN A. YATES  
CHAIRMAN EMERITUS

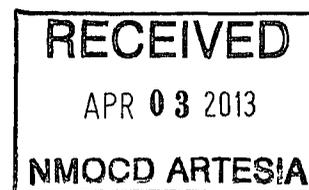
JOHN A. YATES JR.  
CHAIRMAN OF THE BOARD  
PRESIDENT

JOHN D. PERINI  
EXECUTIVE VICE PRESIDENT  
CHIEF FINANCIAL OFFICER

JAMES S. BROWN  
CHIEF OPERATING OFFICER

March 22, 2013

Attn: Mike Bratcher  
NM Oil Conservation Division  
District II Office  
Artesia, NM 88220-6292



Mr. Bratcher:

The Roy AET #2 Battery was reported to have lost 30 bbls of oil on December 18, 2012. 20 bbls of oil were recovered for a net loss of 10 bbls. The impacted area was excavated to 3 feet and disposed of at an NMOCD approved facility. All samples indicated RRALs for a site ranking of Zero (0) were met as per NMOCD Guidelines for Remediation of Leaks, Spills and Releases (1993). Yates Petroleum is requesting closure at this time.

Enclosure (s)

- (a) Final C-141
- (b) Sampling Diagram
- (c) Lab Analysis 2-5-2013 – BTEX, TPH
- (d) Lab Analysis 1-15-13 – Chloride

Thank you,  
YATES PETROLEUM CORPORATION

Amanda Trujillo  
Senior Environmental Scientist  
Regulatory Affairs

# YATES PETROLEUM CORPORATION

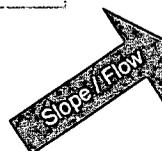
Roy AET #2  
API: 30-015-26297

Tuesday, February 19, 2013

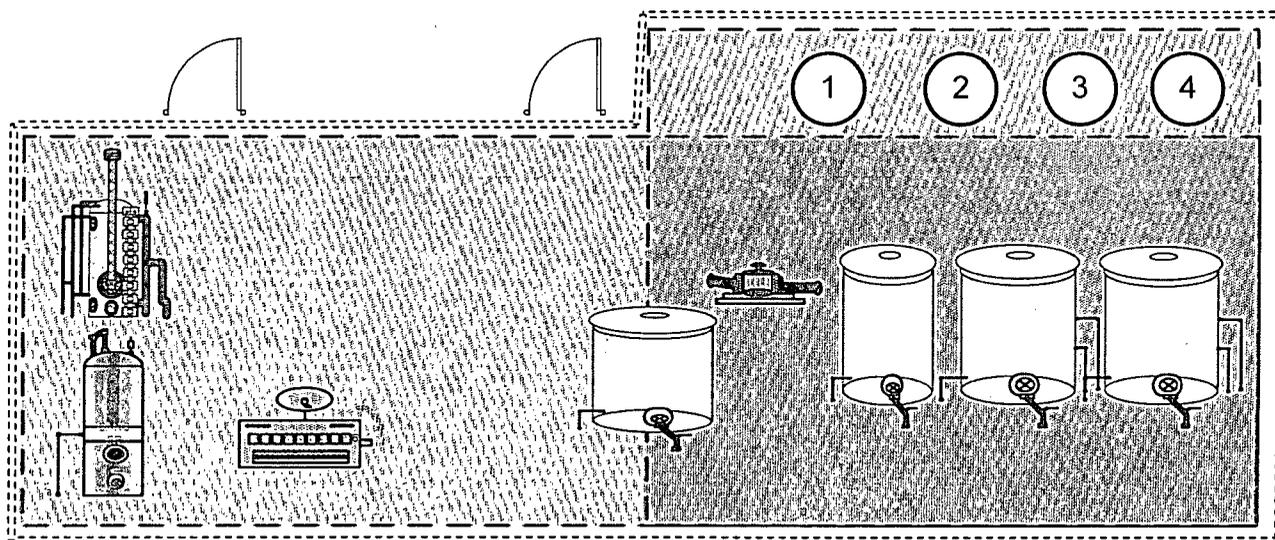
N

E

Final Sample Analysis	BTEX	GRO	DRO	Chloride
Sample 1 2'	189.21	1430	2650	32
Sample 1 4'	ND	ND	ND	---
Sample 2 2'	ND	ND	ND	48
Sample 2 3'	ND	ND	ND	---
Sample 3 2'	ND	ND	ND	---
Sample 3 3'	ND	ND	ND	---
Sample 4 3'	19.874	161	932	80
Sample 4 4'	ND	ND	316	---



## Sampling Areas



W

February 13, 2013

AMANDA TRUJILLO

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: ROY #2 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/06/13 10:00.

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,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 02/06/2013  
 Reported: 02/13/2013  
 Project Name: ROY #2 BATTERY  
 Project Number: NONE GIVEN  
 Project Location: SEC 8 T19S R 25E

 Sampling Date: 02/01/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: PA SAMPLE 1 2' (H300337-01)**

BTEX 8021B		mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.200	0.200	02/13/2013	ND	1.96	98.0	2.00	7.13		
Toluene*	16.8	0.200	02/13/2013	ND	1.96	98.0	2.00	7.02		
Ethylbenzene*	9.01	0.200	02/13/2013	ND	1.95	97.3	2.00	7.49		
Total Xylenes*	68.8	0.600	02/13/2013	ND	5.93	98.8	6.00	7.14		
<b>Total BTEX</b>	<b>94.6</b>	<b>1.20</b>	<b>02/13/2013</b>	<b>ND</b>						

Surrogate: 4-Bromofluorobenzene (PIE) 219 % 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	1430	10.0	02/08/2013	ND	200	99.9	200	1.06		
DRO >C10-C28	2650	10.0	02/08/2013	ND	182	91.1	200	3.68		

Surrogate: 1-Chlorooctane 135 % 65.2-140

Surrogate: 1-Chlorooctadecane 134 % 63.6-154

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received:	02/06/2013	Sampling Date:	02/01/2013
Reported:	02/13/2013	Sampling Type:	Soil
Project Name:	ROY #2 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SEC 8 T19S R 25E		

**Sample ID: PA SAMPLE 1 4' (H300337-02)**

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	02/13/2013	ND	1.96	98.0	2.00	7.13		
Toluene*	<0.050	0.050	02/13/2013	ND	1.96	98.0	2.00	7.02		
Ethylbenzene*	<0.050	0.050	02/13/2013	ND	1.95	97.3	2.00	7.49		
Total Xylenes*	<0.150	0.150	02/13/2013	ND	5.93	98.8	6.00	7.14		
Total BTEX	<0.300	0.300	02/13/2013	ND						

*Surrogate: 4-Bromofluorobenzene (PIE) 113 % 89.4-126*

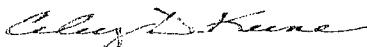
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/08/2013	ND	200	99.9	200	1.06		
DRO >C10-C28	<10.0	10.0	02/08/2013	ND	182	91.1	200	3.68		

*Surrogate: 1-Chlorooctane 87.5 % 65.2-140*
*Surrogate: 1-Chlorooctadecane 104 % 63.6-154*

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 AMANDA TRUJILLO  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

Received:	02/06/2013	Sampling Date:	02/01/2013
Reported:	02/13/2013	Sampling Type:	Soil
Project Name:	ROY #2 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SEC 8 T19S R 25E		

**Sample ID: PA SAMPLE 2 2' (H300337-03)**

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	02/12/2013	ND	1.96	98.0	2.00	7.13		
Toluene*	<0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.02		
Ethylbenzene*	<0.050	0.050	02/12/2013	ND	1.95	97.3	2.00	7.49		
Total Xylenes*	<0.150	0.150	02/12/2013	ND	5.93	98.8	6.00	7.14		
Total BTEX	<0.300	0.300	02/12/2013	ND						

*Surrogate: 4-Bromofluorobenzene (PIC) 112 % 89.4-126*

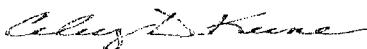
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/08/2013	ND	200	99.9	200	1.06		
DRO >C10-C28	<10.0	10.0	02/08/2013	ND	182	91.1	200	3.68		

*Surrogate: 1-Chlorooctane 82.1 % 65.2-140*
*Surrogate: 1-Chlorooctadecane 101 % 63.6-154*

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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 AMANDA TRUJILLO  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

Received:	02/06/2013	Sampling Date:	02/01/2013
Reported:	02/13/2013	Sampling Type:	Soil
Project Name:	ROY #2 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SEC 8 T19S R 25E		

**Sample ID: PA SAMPLE 2 3' (H300337-04)**

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	02/12/2013	ND	1.96	98.0	2.00	7.13		
Toluene*	<0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.02		
Ethylbenzene*	<0.050	0.050	02/12/2013	ND	1.95	97.3	2.00	7.49		
Total Xylenes*	<0.150	0.150	02/12/2013	ND	5.93	98.8	6.00	7.14		
Total BTEX	<0.300	0.300	02/12/2013	ND						

*Surrogate: 4-Bromofluorobenzene (PIE)*    108 %    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	02/08/2013	ND	200	99.9	200	1.06		
DRO >C10-C28	<10.0	10.0	02/08/2013	ND	182	91.1	200	3.68		

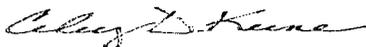
*Surrogate: 1-Chlorooctane*    82.2 %    65.2-140

*Surrogate: 1-Chlorooctadecane*    97.4 %    63.6-154

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 AMANDA TRUJILLO  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

Received:	02/06/2013	Sampling Date:	02/01/2013
Reported:	02/13/2013	Sampling Type:	Soil
Project Name:	ROY #2 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SEC 8 T19S R 25E		

**Sample ID: PA SAMPLE 3 2' (H300337-05)**

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	02/12/2013	ND	1.96	98.0	2.00	7.13		
Toluene*	<0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.02		
Ethylbenzene*	<0.050	0.050	02/12/2013	ND	1.95	97.3	2.00	7.49		
Total Xylenes*	<0.150	0.150	02/12/2013	ND	5.93	98.8	6.00	7.14		
Total BTEX	<0.300	0.300	02/12/2013	ND						

*Surrogate: 4-Bromofluorobenzene (PIE) 113 % 89.4-126*

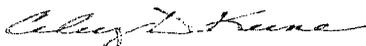
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/08/2013	ND	200	99.9	200	1.06		
DRO >C10-C28	<10.0	10.0	02/08/2013	ND	182	91.1	200	3.68		

*Surrogate: 1-Chlorooctane 72.4 % 65.2-140*
*Surrogate: 1-Chlorooctadecane 87.9 % 63.6-154*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	02/06/2013	Sampling Date:	02/01/2013
Reported:	02/13/2013	Sampling Type:	Soil
Project Name:	ROY #2 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SEC 8 T19S R 25E		

**Sample ID: PA SAMPLE 3 3' (H300337-06)**

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	02/12/2013	ND	1.96	98.0	2.00	7.13		
Toluene*	<0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.02		
Ethylbenzene*	<0.050	0.050	02/12/2013	ND	1.95	97.3	2.00	7.49		
Total Xylenes*	<0.150	0.150	02/12/2013	ND	5.93	98.8	6.00	7.14		
Total BTEX	<0.300	0.300	02/12/2013	ND						

*Surrogate: 4-Bromofluorobenzene (PIE) 110 % 89.4-126*

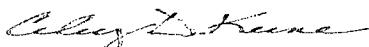
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/08/2013	ND	200	99.9	200	1.06		
DRO >C10-C28	<10.0	10.0	02/08/2013	ND	182	91.1	200	3.68		

*Surrogate: 1-Chlorooctane 86.8 % 65.2-140*
*Surrogate: 1-Chlorooctadecane 105 % 63.6-154*

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 AMANDA TRUJILLO  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

Received:	02/06/2013	Sampling Date:	02/01/2013
Reported:	02/13/2013	Sampling Type:	Soil
Project Name:	ROY #2 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SEC 8 T19S R 25E		

**Sample ID: PA SAMPLE 4 3' (H300337-07)**

BTEX 8021B		mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.13		
Toluene*	<b>1.20</b>	0.050	02/12/2013	ND	1.96	98.0	2.00	7.02		
Ethylbenzene*	<b>0.914</b>	0.050	02/12/2013	ND	1.95	97.3	2.00	7.49		
Total Xylenes*	<b>7.82</b>	0.150	02/12/2013	ND	5.93	98.8	6.00	7.14		
<b>Total BTEX</b>	<b>9.94</b>	0.300	02/12/2013	ND						

*Surrogate: 4-Bromofluorobenzene (PIE)*    171 %    89.4-126

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>161</b>	10.0	02/08/2013	ND	203	101	200	10.2		
<b>DRO &gt;C10-C28</b>	<b>932</b>	10.0	02/08/2013	ND	192	96.1	200	15.1		

*Surrogate: 1-Chlorooctane*    88.4 %    65.2-140

*Surrogate: 1-Chlorooctadecane*    115 %    63.6-154

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 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

Received:	02/06/2013	Sampling Date:	02/01/2013
Reported:	02/13/2013	Sampling Type:	Soil
Project Name:	ROY #2 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SEC 8 T19S R 25E		

**Sample ID: PA SAMPLE 4 4' (H300337-08)**

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	02/12/2013	ND	1.96	98.0	2.00	7.13		
Toluene*	<0.050	0.050	02/12/2013	ND	1.96	98.0	2.00	7.02		
Ethylbenzene*	<0.050	0.050	02/12/2013	ND	1.95	97.3	2.00	7.49		
Total Xylenes*	<0.150	0.150	02/12/2013	ND	5.93	98.8	6.00	7.14		
Total BTEX	<0.300	0.300	02/12/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 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	<10.0	10.0	02/08/2013	ND	203	101	200	10.2		
DRO >C10-C28	316	10.0	02/08/2013	ND	192	96.1	200	15.1		

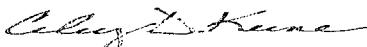
Surrogate: 1-Chlorooctane 73.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

- 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





January 23, 2013

AMANDA TRUJILLO

Yates Energy Petroleum Corp  
105 S 4th Street  
Artesia, NM 88210

RE: ROY #2 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/16/13 10:00.

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 cursive script that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	01/16/2013	Sampling Date:	01/10/2013
Reported:	01/23/2013	Sampling Type:	Soil
Project Name:	ROY #2 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SEC 8 T19S R 25E		

**Sample ID: PA SAMPLE 1 (H300112-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/18/2013	ND	448	112	400	0.00		

**Sample ID: PA SAMPLE 2 (H300112-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/18/2013	ND	448	112	400	0.00		

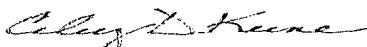
**Sample ID: PA SAMPLE 3 (H300112-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/18/2013	ND	448	112	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

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- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
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Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

