

## Spill 1a

### First Sampling

Analytical Report- 427255 & 427256	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Sample #1	9/7/2011	1'	1.01	42.8	99.7	143	19100
Sample #2	9/7/2011	2'	0.0263	ND	ND	ND	20400
Sample #3	9/7/2011	2'	186	3780	17500	21300	18100
Sample #4	9/7/2011	4'	5.69	346	2240	2590	34300

### Second Sampling

Analytical Report- H102403	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Sample #1	11/4/2011	6'	ND	ND	ND	ND	3640
Sample #2	11/4/2011	3'	ND	ND	ND	ND	3840
Sample #3	11/4/2011	3'	ND	16.2	468	484.2	2480
Sample #4	11/4/2011	6'	0.060	46.6	1340	1386.6	11700

### Third Sampling

Analytical Report- H102403	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Sample #4	11/22/2011	7'	-	-	-	-	5680
Sample #4	11/22/2011	8'	-	-	-	-	2840
Sample #4	11/22/2011	9'	-	-	-	-	3280

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 130', per NMOSE).

All results are ppm. Chlorides for documentation. S# - Sample Points

Released: 15 B/O; Recovered: 8 B/O. Release Date: 8/26/2011

*YATES Rodke A041*

November 30, 2011

JEREMY HAASS

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: RODKE 'AOY' #1

Enclosed are the results of analyses for samples received by the laboratory on 11/29/11 13:30.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

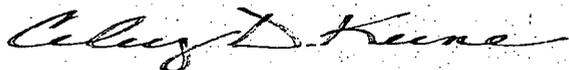
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (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  
 JEREMY HAASS  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

 Received: 11/29/2011  
 Reported: 11/30/2011  
 Project Name: RODKE 'AOY' #1  
 Project Number: 30-015-28404  
 Project Location: EDDY

 Sampling Date: 11/22/2011  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SAMPLE #4 - 7' (H102567-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5680	16.0	11/30/2011	ND	432	108	400	3.64		

**Sample ID: SAMPLE #4 - 8' (H102567-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2840	16.0	11/30/2011	ND	432	108	400	3.64		

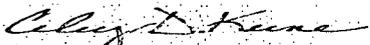
**Sample ID: SAMPLE #4 - 9' (H102567-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3280	16.0	11/30/2011	ND	432	108	400	3.64		

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

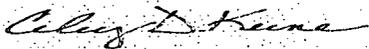
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported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

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\*=Accredited Analyte

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Celestine D. Keene, Lab Director/Quality Manager

