# RECEIVED DEC 01 2011 NMOCD ARTESIA

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# 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-	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 ADY 1



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 Hydorcarbons

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

Cardinal Laboratories is accreditated 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,

Celez D. Kune

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	Sampling Date:	11/22/2011
Reported:	11/30/2011	Sampling Type:	Soil
Project Name:	RODKE 'AOY' #1	Sampling Condition:	** (See Notes)
Project Number:	30-015-28404	Sample Received By:	Jodi Henson
Project Location:	EDDY		

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

Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d By: HM					<u> </u>
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	Analyze	d 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

PLEASE NOTE: Lability and Damages. Cardinal's liability and client's exclusive remedy for an<sup>1</sup>/<sub>2</sub> 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 whitsoverer shall be accented waived unless made in writing and received by client, its subsidiaries, affiliates or competion 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 iclient, its subsidiaries, affiliates or successors ansing out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims based upon any of the above stated reasons or otherwise. Results relate only to the samples including to the samples including thore than the terrorited except in full with written approval of Cardinal Laboratories.

Celez D. Kene

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

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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 SM4500CI-B does not require samples be received at or below $6^{\circ}\mathrm{C}$
	Samples reported on an as received basis (wet) unless ${}^{\prime}_{j} otherwise$ noted on report

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.

Celez Kerne

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 4

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