

Spill 1a

First Sampling

Analytical Report- 427255 & 427256	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
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 #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

← Excavation
Depth

Fourth Sampling

Analytical Report- H102703	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Sample #4	12/12/2011	10'	-	-	-	-	6000
Sample #4	12/12/2011	11'	-	-	-	-	5280
Sample #4	12/12/2011	12'	-	-	-	-	576
Sample #4	12/12/2011	13'	-	-	-	-	336
Sample #4	12/12/2011	14'	-	-	-	-	624
Sample #4	12/12/2011	15'	-	-	-	-	192

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

⊛ Excavated to 7'



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

December 17, 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 12/15/11 13:30.

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/ga/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 "Celey D. Keene". The signature is written in a cursive, flowing style.

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:	12/15/2011	Sampling Date:	12/12/2011
Reported:	12/17/2011	Sampling Type:	Soil
Project Name:	RODKE 'AOY' #1	Sampling Condition:	Cool & Intact
Project Number:	30-015-28404	Sample Received By:	Jodi Henson
Project Location:	EDDY		

Sample ID: SAMPLE #4 10' (H102703-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	12/17/2011	ND	432	108	400	0.00	

Sample ID: SAMPLE #4 11' (H102703-02)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	12/17/2011	ND	432	108	400	0.00	

Sample ID: SAMPLE #4 12' (H102703-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	12/17/2011	ND	432	108	400	0.00		

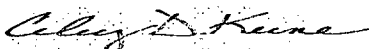
Sample ID: SAMPLE #4 13' (H102703-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	12/17/2011	ND	432	108	400	0.00	

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*=Accredited Analyte

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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: 12/15/2011
Reported: 12/17/2011
Project Name: RODKE 'AOY' #1
Project Number: 30-015-28404
Project Location: EDDY

Sampling Date: 12/12/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SAMPLE #4 14' (H102703-05)

Chloride, SM4500CI-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	12/17/2011	ND	432	108	400	0.00	

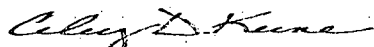
Sample ID: SAMPLE #4 15' (H102703-06)

Chloride, SM4500CI-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/17/2011	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

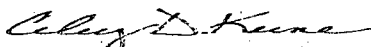
Notes and Definitions

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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Celey D. Keene, Lab Director/Quality Manager

