

May 07, 2012

JEREMY HAASS

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: SANTA FE LAND SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 05/03/12 11:20.

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.

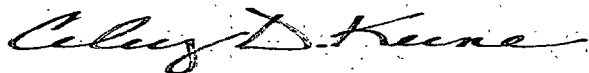
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

 Received: 05/03/2012
 Reported: 05/07/2012
 Project Name: SANTA FE LAND SWD #1
 Project Number: 30-015-20501
 Project Location: EDDY COUNTY, NM

 Sampling Date: 05/02/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S 1 2' (H201012-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8000	16.0	05/04/2012	ND	432	108	400	3.77		

Sample ID: S 1 4' (H201012-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	05/04/2012	ND	432	108	400	3.77	

Sample ID: S 1 6' (H201012-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	05/04/2012	ND	432	108	400	3.77	

Sample ID: S 2 2' (H201012-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	05/04/2012	ND	432	108	400	3.77	

Cardinal Laboratories

* = 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: 05/03/2012
Reported: 05/07/2012
Project Name: SANTA FE LAND SWD #1
Project Number: 30-015-20501
Project Location: EDDY COUNTY, NM

Sampling Date: 05/02/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S 2 4' (H201012-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8130	16.0	05/04/2012	ND	432	108	400	3.77	

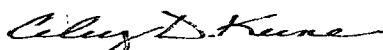
Sample ID: S 2 5'3" (H201012-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7000	16.0	05/04/2012	ND	432	108	400	3.77	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

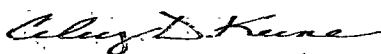
Notes and Definitions

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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Celey D. Keene, Lab Director/Quality Manager

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

Project Manager: Jeremy Haass

Project Name: Santa Fe Land SWD #1

Comp: (505) 393-2326 Yates Petroleum Corporation

Project #: 30-015-20501

Company Address: 105 South 4th Street

Project Loc: Eddy

City/State/Zip: Artesia, NM 88210

PO #: 103-2636

Telephone No: 575-748-4311

Fax No: _____

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: _____

e-mail: jhaass@yatespetroleum.com

(lab use only)

ORDER #: H201012

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₅	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH: 418.1 8015M 30.52	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	ETEX: 50211/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	SAR	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT	
1	S1 2'			5/2/2012			1	X								S													X		X	
2	S1 4'			5/2/2012			1	X								S													X		X	
3	S1 6'			5/2/2012			1	X								S													X		X	
4	S2 2'			5/2/2012			1	X								S													X		X	
5	S2 4'			5/2/2012			1	X								S													X		X	
6	S2 5'3"			5/2/2012			1	X								S													X		X	

Special Instructions:

Relinquished by: <u>[Signature]</u>	Date: <u>05/02/12</u>	Time: <u>3:09 PM</u>	Received by: <u>[Signature]</u>	Date: <u>05/02/12</u>	Time: <u>11:00 AM</u>
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by ELOT: _____	Date: _____	Time: _____

Laboratory Comments:

Sample Containers Intact? Y N
 VOCs Free of Headspace? Y N
 Labels on container(s)? Y N
 Custody seals on container(s)? Y N
 Custody seals on cooler(s)? Y N
 Sample Hand Delivered by Sampler/Client Rep.? Y N
 by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 11.0