

April 23, 2012

JEREMY HAASS

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: SANTA FE SWD

Enclosed are the results of analyses for samples received by the laboratory on 04/17/12 12:00.

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.

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: 04/17/2012
Reported: 04/23/2012
Project Name: SANTA FE SWD
Project Number: 103-2636
Project Location: EDDY COUNTY, NM

Sampling Date: 04/13/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S 1 (H200886-01)

BTX 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	04/20/2012	ND	2.16	108	2.00	0.605	
Toluene*	<0.050	0.050	04/20/2012	ND	2.29	114	2.00	1.16	
Ethylbenzene*	<0.050	0.050	04/20/2012	ND	2.32	116	2.00	1.72	
Total Xylenes*	<0.150	0.150	04/20/2012	ND	7.28	121	6.00	2.24	

Surrogate: 4-Bromofluorobenzene (PIL) 107 % 64 4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8500	16.0	04/19/2012	ND	416	104	400	0.00	

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	04/17/2012	ND	183	91.5	200	0.212	
DRO >C10-C28	<10.0	10.0	04/17/2012	ND	194	97.0	200	0.820	

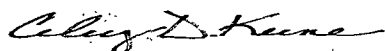
Surrogate: 1-Chlorooctane 94.1 % 55 5-154

Surrogate 1-Chlorooctadecane 92.7 % 57 6-158

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: 04/17/2012
Reported: 04/23/2012
Project Name: SANTA FE SWD
Project Number: 103-2636
Project Location: EDDY COUNTY, NM

Sampling Date: 04/13/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S 2 (H200886-02)
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	04/20/2012	ND	2.16	108	2.00	0.605	
Toluene*	<0.050	0.050	04/20/2012	ND	2.29	114	2.00	1.16	
Ethylbenzene*	<0.050	0.050	04/20/2012	ND	2.32	116	2.00	1.72	
Total Xylenes*	<0.150	0.150	04/20/2012	ND	7.28	121	6.00	2.24	

Surrogate 4-Bromofluorobenzene (PIL) 104 % 64.4-134

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9400	16.0	04/19/2012	ND	416	104	400	0.00	

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	04/17/2012	ND	183	91.5	200	0.212	
DRO >C10-C28	<10.0	10.0	04/17/2012	ND	194	97.0	200	0.820	

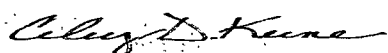
Surrogate 1-Chlorooctane 96.8 % 55.5-154

Surrogate 1-Chlorooctadecane 94.6 % 57.6-158

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*=Accredited Analyte

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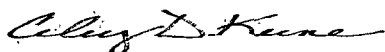
Celey D. Keene, Lab Director/Quality Manager

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

Cardinal Laboratories***=Accredited Analyte**

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: <u>YPC</u>		BILL TO		ANALYSIS REQUEST																																			
Project Manager: <u>Jeremy Haass</u>		P.O. #: <u>103-2636</u>																																					
Address:		Company: <u>YPC</u>																																					
City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u>		Attn: <u>Jeremy Haass</u>																																					
Phone #: Fax #:		Address:																																					
Project #: Project Owner: <u>Jeremy</u>		City: <u>Artesia</u>																																					
Project Name: <u>Santa Fe SHD</u>		State: <u>NM</u> Zip: <u>88210</u>																																					
Project Location: <u>Edley</u>		Phone #: Fax #:																																					
Sampler Name: <u>Jeremy Haass</u>																																							
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																															
Lab I.D.		Sample I.D.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE		ICE / COOL		OTHER:		DATE		TIME													
<u>H200886</u>		<u>SS1</u>								<u>X</u>								<u>X</u>		<u>X</u>				<u>4/13</u>				<u>TPH</u>											
<u>2</u>		<u>S2</u>								<u>X</u>								<u>X</u>		<u>X</u>				<u>4/13</u>				<u>BTEX</u>											
																												<u>Chlorides</u>											

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Relinquished By: <u>[Signature]</u>		Date: <u>4/17</u>		Received By: <u>[Signature]</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Time: <u>12:00</u>		Time: <u>12:00</u>		Received By: <u>[Signature]</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:			
Time:		Time:		Time:					
Delivered By: (Circle One)				Sample Condition		CHECKED BY:			
Sampler - UPS - Bus - Other:				Cool Intact		(Initials)			
				<u>35°</u> <input type="checkbox"/> Yes <input type="checkbox"/> No		<u>[Signature]</u>			