

May 10, 2012

JEREMY HAASS

Yates Energy Petroleum Corp 105 S 4th Street

Artesia, NM 88210

RE: PATRIOT 'AIZ' #6



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 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 (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keens

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

Sampling Date:

05/03/2012

Reported:

05/10/2012

Sampling Type:

Soil

Project Name:

PATRIOT 'AIZ' #6

Sampling Condition:

Cool & Intact

Project Number:

30-015-28405

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NEW MEXICO

Sample ID: S1 1' (H201016-01)

BTEX 8260B	mg,	/kg	Analyze	d By: CMS					
Analyte	Result	Result Reporting Limit Analyza		Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	05/09/2012	ND	2.24	112	2.00	3.94	
Toluene*	<0.050 0.050 05/09/2012 ND		ND	2.09	104	2.00	5.50		
Ethylbenzene*	ne* <0.050 0.050 05/09/2012 ND			1.96	97.8	,2.00	5.95		
Total Xylenes*	<0.150 0.150 05/09/2012 ND		ND	6.29	105	6.00	5.94		
Surrogate: Dibromofluoromethane	87.7	% 61.3-14	2						
Surrogate: Toluene-d8	98.6	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	% 65.7-14	1							
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AP					
Analyte	lyte Result Reporting Limit Analyzed Method Blank		BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	7200	16.0	05/07/2012	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/09/2012	ND	183	91.3	200	5.05	
DRO >C10-C28	33.0	10.0	05/09/2012	ND	173	86.7	200	3.21	
Surrogate: 1-Chlorooctane	95.2	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	111 9	% 57.6-15	8						

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

J3/2U12

Sampling Date:

05/03/2012

Reported:

05/10/2012

Sampling Type:

Soil

Project Name:

PATRIOT 'AIZ' #6

Sampling Condition:

Cool & Intact

Project Number:

30-015-28405

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NEW MEXICO

Sample ID: S2 1' (H201016-02)

BTEX 8260B	mg,	kg	Analyze	d By: CMS		·			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2012	ND	2.24	112	2.00	3.94	
Toluene*	<0.050	0.050	05/09/2012	ND	2.09	104	2.00	5.50	
Ethylbenzene*	<0.050	0.050	05/09/2012	ND	1.96	97.8	2.00	5.95	
Total Xylenes*	<0.150	0.150	05/09/2012	ND	6.29	105	6.00	5.94	
Surrogate: Dibromofluoromethane	87.6	% 61.3-14	2						
Surrogate: Toluene-d8	96.9	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	% 65.7-14	1				•			
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Analyzed Method Blank		% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	4560 16.0		ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/09/2012	ND	183	91.3	200	5.05	
DRO >C10-C28	<10.0 10.0 05/09/2012		ND	173	86.7	200	3.21		
Surrogate: 1-Chlorooctane	89.0	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	96.9	% 57.6-15	8						

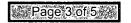
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*=Accredited Analyte

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Celey D Keine

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 SM4500CI-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

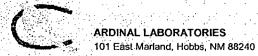
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Celey D. Keene, Lab Director/Quality Manager

Celey D. Keens

Page 4 of 5



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

(505) 393-2326 FAX (505) 393-247

	Project Manager: Jeremy Haass												Pr	oject	Nar	ne:_				Patr	iot '/	NZ'	#6		 	<u> </u>
	Compa (505) 393-2326 Yates Petroleum Co	orporation												Pr	ojec	t #: _	30-01	15-28	3405			j.				
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	City/State/Zip: Artesia, NM 88210)	· . · . · .)#:1												
	Telephone No: 575-748-4311				Fax No:	i X							Repor	t For	mat	- . Г	× St	andar	d		TR	RP	1	NF	PDES	7
	Sampler Signature:				e-mail:		naa	388(C	Dyate	espe	trole	um	.com						73 	_					DEG	
(lab use	only) R#HZD1D1b														145) 1444 2131		TCLF TOTAL		alyze	For.					Z hrs	
LAB # (lab use only)	FIELD CODE	4000	Beginning Deptin	Date Sampled	Time:Sampled	Teld Fitered			ervation OS-H		ontaine O'S'teN Noue	(Specify)	DW=Drinking Water. SL=Sludge-SW = Groundwater S=Sol/Solid = PP=Non-Polable: Specify Other:	TPH: 418.1 B015M 00 82	TPH: TX 1005 TX 1006	Mg	Anions (CI, SO4, Alkalinity) SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	/olatiles	Semivolatiles		N.O.R.M.	Chlorides	SAR	RUSH TAT (Pre-Schedule) 26,48,7	tandard TAT
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