

October 17, 2012

LUPE CARRASCO

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: CENTRAL DAGGER DRAW WATER TRANSFER

Enclosed are the results of analyses for samples received by the laboratory on 10/12/12 14:12.

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 accredited 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. Keine

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 LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/12/2012

Sampling Date:

10/12/2012

Reported:

10/17/2012

Sampling Type:

Soil

Project Name:

CENTRAL DAGGER DRAW WATER TRANS

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: S2 - R (H202497-01)

BTEX 8021B	mg,	/kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050 0.050 0.230 0.050		10/16/2012	ND	2.09	105	2.00	6.28	
Toluene*			10/16/2012	ND	1.90	95.0	2.00	6.87	
Ethylbenzene*	0.414 0.050		10/16/2012	ND	1.88	93.9	2.00	7.09	
Total Xylenes*	1.54	0.150	10/16/2012	ND	5.49	91.4	6.00	7.03	
Surrogate: 4-Bromofluorobenzene (PIL	185	% 89.4-12	6						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	99.8	50.0	10/16/2012	ND	180	90.0	200	8.27	
DRO >C10-C28	2110	50.0	10/16/2012	ND	179	89.6	200	8.85	
Surrogate: 1-Chlorooctane	94.2 % 65.2-14		0						
Surrogate: 1-Chlorooctadecane	132 % 63.6-15		4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any datin ansing, 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 kimitation, 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 claims 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.

Celey & Keene



Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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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Celeg & Keene

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: Lupe Carassco												Project Name: CDDWT																			
Comp. (505) 393-2326 Yates Petroleum Corporation										Project #:																						
	Company Address	105 South 4th 9	Street								Project Loc:																					
	City/State/Zip:	Artesia NM 8	8210																													
	Telephone No:	575-748-4310		Fax No:								Rep	ort Ì	Forn	nat:										NPDES							
	Sampler Signature	:					e-mail:		lca	ara	ssc)@y	/ates	spe	trol	ėu	m.co	<u>m</u>						٠.						,		
(lab use only) ORDER #: 1202497							· ·			Preservation & # of Containers							Matrix m				Analy: TCLP: TOTAL:										72 hrs	
LAB # (lab use only)		LD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total.#. of Containers		HNO ₃		NaOFI			寸	SL=Sludge s=Snil/Solid	-Potable Specify Other	8015M	TPH: TX 1005 TX 1006	Anions (Cl. SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	SAR	RUSH TAT (Pre-Schedule) 24, 48,	Standard TAT
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Date Time 10/12/12 2:12 P Date Time T					2 PM	Bold Mari							Dai Dai	2/12 C					ample Containers Intact? OCs Free of Headspace? abels on container(s) ustody seals on container(s) ustody seals on cooler(s) ample Hand Delivered by Sampler/Client Rep. ?													
Relinqu	ished by:		Date	ale Time Received by ELOT:						Da	ate T				by Courier? UPS DHL FedEx Lone Star Temperature Upon Receipt: Page 4 of 4																	