# Creek AL Federal #12

Analytical Report- H202528	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
::31 -4 "	10/16/2012	1'	175	3300	10800		1100
S1-2'	10/16/2012	2'	ND	ND	10.6		288
S1-3'	10/16/2012	3'	ND	ND	11.2		464
S1-4'	10/16/2012	4'	ND	ND	ND		352
*\$2-11°	10/16/2012	1'	11	19.1	125		3120
S2-2'	10/16/2012	2'	ND	ND	ND		2840
S2-3'	10/16/2012	3'	ND	ND	355		3440
S2-4'	10/16/2012	4'	ND	ND	ND		896
*S3-1"	10/16/2012	1'	139	9550	16100		2400
S3-2'	10/16/2012	2'	54	562	1580		2280
S3-3 <sup>'</sup>	10/16/2012	3'	0.078	ND	ND		2560
S3-4'	10/16/2012	4'	ND	ND	ND	·	2480
Analytical Report - H202665							
S3-5'	10/30/2012	5'					1620
S3-6'	10/30/2012	6'					1700
S3-7'	10/30/2012	7'					1470
S3-8'	10/30/2012	8'					1420

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 184', per trend map).

All results are ppm.Chlorides for documentation.

Released: 20 B/O, 15 B/PW, Recovered: 0 B/O, 0 B/PW. Release Date: 8/15/2012

<sup>\*</sup> Cells in red have been excavated and hauled for disposal. Excavated between 12" & 18".



November 05, 2012

LUPE CARRASCO
Yates Energy Petroleum Corp

105 S 4th Street Artesia, NM 88210

RE: CREEK AL FEDERAL #12

Enclosed are the results of analyses for samples received by the laboratory on 11/01/12 14:50.

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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> 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.

Celeg & 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:

11/01/2012

Reported:

11/05/2012

Project Name:

CREEK AL FEDERAL #12

Project Number:

NONE GIVEN

Project Location:

**EDDY** 

Sampling Date:

10/30/2012

Sampling Type:

Soil

Sampling Condition: Sample Received By: \*\* (See Notes)

Jodi Henson

Sample ID: S3 - 5 (H202665-01)

•	•	
Chloride, SM4500CI-B		

mg/	kç
-----	----

#### Analyzed By: HM

Chloride

Chloride

Chloride

Result 1620 Reporting Limit 16.0

Reporting Limit

16.0

Analyzed 11/05/2012

Analyzed

11/05/2012

Method Blank ND

ND

ND

BS 416

BS

416

% Recovery 104

True Value QC 400

RPD 3.77 Qualifier

Sample ID: S3 - 6 (H202665-02)

Chloride,	SM4500CI-B

Analyte

Result

1700

#### Analyzed By: HM

Method Blank

% Recovery 104

True Value QC

400

RPD

Qualifier

Sample ID: S3 - 7 (H202665-03)

Chlasida	SM4500CI-B
chioriae,	シロ4シひひし1-0

mg/	k

#### Analyzed By: HM

Analyte	Result
	1470

Reporting Limit

Analyzed 16.0 11/05/2012

Method Blank

BS 416

% Recovery 104

True Value QC 400

RPD 3.77

3.77

Qualifier

. Sample ID: S3 - 8 (H202665-04)

### Chloride, SM4500CI-B

#### mg/kg

#### Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	1420	16.0	11/05/2012	ND	416	104	400	3.77	

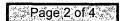
#### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. All claims, including those for negligence and arty other cause whatsoever shall be deemed waived unless made in winting 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 dan including, without limitation, 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

Celey & Keine

Celey D. Keene, Lab Director/Quality Manager





#### **Notes and Definitions**

Analyte NOT DETECTED at or above the reporting limit ND

Relative Percent Difference RPD

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

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or toxt, 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 limitation, business interruptions, loss of use, or 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 dalm 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 D. Keine



## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

	Project Manager:	Lupe Carrasco			···-												I	Proje	ct Na	me:			<u> </u>	Creel	k AL	Fed	dera	1 #1:	2		
	Comp: (505) 393-232	f Yates Petroleum Cor	rporation					<b></b>										F	roje	ct #:											
•	Company Address:	105 South 4th Street	t `			·			,									Pro	ject l	-oc:											
	Clty/State/Zip:	Artesia, NM 88210																	P	O #:	103-	163									
	Telephone No:	575-748-4350					Fax No:	. ,						•			Rep	ort F	orma	ıt:	х	Stand	dard			TRE	٦P		] NF	PDES	}
	Sampler Signature	- Can (	7) aru <u>.</u> .	ن `` آرامار-			e-mail:		ica	ırra	scc	<u>@</u>	/ate	espe	etro	leu	ım.cc	om_					<b>A</b> = 5	1	,						
lab use DRDEF	יייי פעל 1			····						Pi	resen	ration	&# c	of Con	tainer	S	Matr	ix	e	<u> </u>	TOT	LP AL	9	ilyze l	$oxed{\mathbb{E}}$					24, 48, 72 hrs	
LAB # (lab use only)	FIE	LD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled ·	Field Filtered	Total #. of Containers	lce	HNO,	HCI	H-SO4	Na,S,O <sub>3</sub>	Nono	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid	NP=Non-Polable Specify Offer	TPH: TX 1005 TX 1006	Cations (Ca, Mg. Na, K)	Aka	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pp Hg	Volatiles Semvolatiles	ਇਜੁਵਲ ਫ਼ਨੂਟਜੁਵਾ/5030 or BTEX 8260	RCI	N.ORM.	Chlorides	SAR	RUSH TAT (Pre-Schedule) 24	Standard TAT
j	S3-5					10/30/2012					•							• •										x			X
2	S3-6					10/30/2012																						Х	$oxed{oxed}$		Х
	S3-7	-,				10/30/2012																						Х			X
L	S3-8					10/30/2012		L		Ш			$\perp$		$oldsymbol{ol}}}}}}}}}}}}}}}}}$								_	$\perp$			Ш	X	$\perp$		X
		-			-			_	Ĺ					$\perp$	L					Ŀ	Ш		<u> </u>			$oxed{oxed}$	Ц	$\perp$	$\perp$		Ш
	,	·			,						'			·	_			]		1_			_		1_			$\dashv$	$\bot$		L
							·	L				_	_ _		<u> </u>		ļ		1	$\perp$				4	_	Ŀ		_	$\bot$		Ц
·								L	_			_	_	$\perp$	$oldsymbol{ol}}}}}}}}}}}}}}}}}$				┸	<u> </u>	L		4		_		Ш	$\bot$	$\bot$	1_	Ц
<del></del>		······································	·									_	4	,	↓_	-		·	$\bot$	_	$ldsymbol{f\perp}$		4	$\bot$	_	_		$\perp$	4	1	H
C	li di di		<u>_</u>	l					L						<u> </u>				<u> </u>	<u> </u>			<u></u>				Ш	Щ			Ц
<b>opeciai</b>	Instructions:	•	·	i				٠.					,							Sa	mple	Con	taine	mme ers In leads	tact			Ċ	2	Ň N	,
يسه دول م	shed by:	1131	ate 2/2 Date		me me	Received by:	Mu	W	<u> 3-,</u>	/ · {		g <del>= ~~~</del>			13		11 -	12	ime <u>5/</u> ime	La Ci Ci	bels istod istod imple by	on co y sea y sea e Han	ontai als o als o ad D oler/C	iner(s in cor in coc eliver Client	s) ntaine oler(s red	er(s) ) .?		- P	v .	z Z Z Z z s one S	
Relinqui	shed by:		Date	Tit	me	Received by EL	ОТ									Da	ate	17	ime	Te	•			oon R				r) 1.	O	°C	;
		1	<u></u> -								•									_i_		<u> </u>	1V	7)11	- 48	_	72	Pag	je 4	of 4	Party.