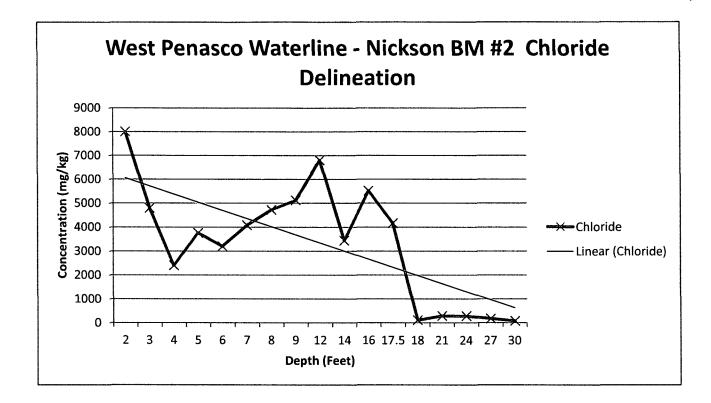
(Feet)	Chloride
2	8000
3	4800
4	2400
5	3760
6	3200
7	4080
8	4720
9	5120
12	6800
14	3440
16	5520
17.5	4160
18	112
21	288
2.4	280
27	176
30	80





September 14, 2012

AMANDA TRUJILLO Yates Energy Petroleum Corp 105 S 4th Street Artesia, NM 88210

RE. WEST PENASCO WATER SYSTSEM - NICKSON

Enclosed are the results of analyses for samples received by the laboratory on 09/06/12 14:00.

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

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.

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,

Celleg D. Keine

Celey D. Keene Lab Director/Quality Manager



### Analytical Results For:

Yates Energy Petroleum Corp AMANDA TRUJILLO 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:	09/06/2012	Sampling Date:	09/05/2012
Reported:	09/14/2012	Sampling Type:	Soil
Project Name:	WEST PENASCO WATER SYSTSEM - NICI	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	S30 T18S R26E		

### Sample ID: 18' (H202142-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					<u></u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/10/2012	ND	400	100	400	0.00	

### Sample ID: 21' (H202142-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					<u> </u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/10/2012	ND	400	100	400	0.00	

### Sample ID: 24' (H202142-03)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	280	40.0	09/10/2012	ND	400	100	400	0.00	

## Sample ID: 27' (H202142-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/10/2012	ND	400	100	400	0.00	

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

PELASE NOTE Labelity and Damages Cardinals labelity and client's exclusive remedy for any claim 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 whatspeever shall be deemed valved unless made in writing and received by claims, including those for incidential or consequential damages, 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 such claims based on any of the above stated reasons or otherwise. Results relate only to the samples identified above. This reproduced exception following inclusions and of Cardinal Jabovatores.

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Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Yates Energy Petroleum Corp AMANDA TRUJILLO 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:	09/06/2012	Sampling Date:	09/05/2012
Reported:	09/14/2012	Sampling Type:	Soil
Project Name:	WEST PENASCO WATER SYSTSEM - NICI	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodı Henson
Project Location:	S30 T18S R26E		

## Sample ID: 30' (H202142-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP				·	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/10/2012	ND	400	100	400	0.00	

**Cardinal Laboratories** 

\*=Accredited Analyte

PLEASE NOTE Lability and Damages Cardinal's lability and client's erclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount paid by client for shal/ses. All claims, including those for negligence and any other cause whistoever shall be deemed waved unless made in writing and received by claims, including those for incidental or consequential cardinal's including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidianes, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims based upon any of the above stated relations or otherwise. Results relate only to the samples identified above. This reproduced excepts in full with interna perviousle (Cardinal Laboratores

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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 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

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Celey D. Keene, Lab Director/Quality Manager

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LAB # (lab uso only)	FIE	ELD CODE		Beginning Depth	Ending Depth	Date Sanipled	Time Sampled	Ti∋lc Filtar⊷d	Total #. of Containers	,cc	HNON	нсı	Η <sub>2</sub> 1,Ω,	NEOH	Nastry 13	None	Other ( "pecify"		tion-potente Specify Other	TP41 :18 1 B015M 8015B	TPH TN 1005 TA 1000	Cations (Ca, Mc, Na K)	Anions (Cl. SO4, Alkalimity)	SAR / ESP / CEC	s 4g Ba Cd Cr Po Ng	Volatiles		BTEX 8021B/5030 or BTEX 8266	ROL	Chlorides			RUSH TAT (Pra Schadule) 24-4	Standard TAT
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