

Analytical Report- H301570-01 (Cardinal)	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
C00.5	Pooling Area	7/2/2013	Comp/Shovel	6"	<0.30	<10.0	<10.0	144

Site Ranking is Twenty (20). Depth to Ground Water < 50' (approx. 40', per NMOSE).

All results are ppm. X - Sample Points

Released : 48 B/PW; Recovered: 130 B/PW & B/FW Mix. Release Date: 6/20/2013



Louise AYI #2  
30-015-33938  
Section 25, T21S-R26E  
Eddy County, NM

SAMPLE DIAGRAM(Not to Scale)

Prepared by Robert Asher  
Environmental Regulatory Agent



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

July 11, 2013

ROBERT ASHER

YATES-PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: LOUISE AYI #2

Enclosed are the results of analyses for samples received by the laboratory on 07/03/13 9:30.

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](http://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,

Caley D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

YATES PETROLEUM CORPORATION  
ROBERT ASHER  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 07/03/2013  
Reported: 07/11/2013  
Project Name: LOUISE AYL #2  
Project Number: 30-015-33938  
Project Location: EDDY COUNTY

Sampling Date: 07/02/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: C00.5 (H301570-01)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/09/2013	ND	416	104	400	0.00	

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 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 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 claim 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. 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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, 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 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 claim 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. Keene, Lab Director/Quality Manager



(lab use only)					
ORDER #: H301570					
LAB # (lab use only)					
FIELD CODE					
C00.5	Beginning Depth	6"	Ending Depth	6"	Date Sampled
					Time Sampled
					Field Filtered
					Total #. of Containers
					Ice
					HNO <sub>3</sub>
					HCl
					H <sub>2</sub> SO <sub>4</sub>
					NaOH
					Na <sub>2</sub> S <sub>2</sub> O <sub>8</sub>
					None
					Other (Specify)
					DW=Drinking Water SL=Sludge
					GW = Groundwater S=Soil/Solid
					NP=Non-Potable Specify Other
					TPH: 418.1 8015M 8016B
					TPH: TX 1005 TX 1006
					Cations (Ca, Mg, Na, K)
					Anions (Cl)
					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.
					RUSH TAT (Pre-Schedule) 24, 48, 72 hrs
					Standard TAT

Special Instructions:					
Please put Chlorides on separate report. ALL results in mg/kg. Thank you.					
Relinquished by: [Signature]					
Date: 07/02/13					
Time:					
Received by: [Signature]					
Date: 7/13/13					
Time: 9:30					
Received by EL OT:					
Date:					
Time:					
Laboratory Comments:					
VOCs Free of Headspace?					
Sample Custody Seal(s) intact?					
Labels on container(s)?					
Custody seals on container(s)?					
Distilled/sealed on receipt?					
Sample Hand Delivered by Sampler/Client Rep? by Courier? UPS DHL FedEx Lone Star					
Temperature Upon Receipt: 4 °C					