

March 13, 2013

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: EL FEDERAL #5 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/07/13 8:45.

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. Keeno

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:

APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 **EUNICE NM, 88231** Fax To: 394-2425

Received: 03/07/2013 Sampling Date: 03/06/2013

Reported: 03/13/2013 Sampling Type: Soil

Project Name: EL FEDERAL #5 TANK BATTERY Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: 5 PT. COMP @ 1' (H300575-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1390	16.0	03/07/2013	ND	416	104	400	3.77	
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	70.8	50.0	03/08/2013	ND	185	92.5	200	0.189	
DRO >C10-C28	>C10-C28 2420 5		03/08/2013	ND	181	90.6	200	0.0309	
Surrogate: 1-Chlorooctane	79.8	% 65.2-14	0						-

131 % 63.6-154 Surrogate: 1-Chlorooctadecane

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. Keine



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

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Celey D. Keine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

→ ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name: Apache Corp.							BILL TO						ANALYSIS REQUEST													
Project Manager: Natalie Gladden								P.O. #:											-	- 0.4(30)	a.A.parama		STATE OF STREET	Salarian de la companya de		
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City: Hobbs State: IVM Zip: 68240						Attn:										<u>0</u>										
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Project #: Project Owner:						City:						S	≥		エ	8/1										
Project Name:						State: Zip:						Chlorides	H 8015	BTEX	유	o	(0									
Project Location: El Federal #5 Tank Battery						Phone #:									Texas TPH	Cati	TDS									
Sampler Name: ['N(: 116.05						en march	Fax #:										-									
FOR LAB USE ONLY MATR				TRI	X	PRESERV. SAMPL					NG	O	표		E	ete										
Lab I.D.	Sample I.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL			36	OTHER: ACID/BASE: ICE / COOL		3001	Salatan Armenia (Salatan)		nomen ages sire i diregionistica					Complete Cations/Anions										
H300575			(G)RAB	# CON	GROU	SOIL	OIL	SLUDO	OTHE	ACID/E	ICE / COOL OTHER:	D.	ATE	TIME											TO CANCELLA TO	
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PLEASE NOTE: Liability and Damages. Cardinal's liability and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the 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 30 days after completion of the applicable service. In one event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of uso, or loss of profits incurred by client, its subsidiaries																										
affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is Relinquished By: Date: 3/1/2013 Received By: 3/1/201					AND THE STATE OF THE PERSON OF THE STATE OF T					Phone Res Fax Result	Phone Result: ☐ Yes ☑ No Add'l Phone #: Fax Result: ☐ Yes ☑ No Add'l Fax #:								S. DELS M. H. PET S. DE.							
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

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