

September 09, 2014

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: TONY FEDERAL #28

Enclosed are the results of analyses for samples received by the laboratory on 09/09/14 8:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 APACHE CORP - HOBBS  
 BRUCE BAKER  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	09/09/2014	Sampling Date:	09/08/2014
Reported:	09/09/2014	Sampling Type:	Soil
Project Name:	TONY FEDERAL #28	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: VERTICAL 1 @ 11' (H402789-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>128</b>	16.0	09/09/2014	ND	416	104	400	0.00	

**Sample ID: VERTICAL 1 @ 12' (H402789-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16.0</b>	16.0	09/09/2014	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



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Celey D. Keene, Lab Director/Quality Manager



# CARDINAL LABORATORIES

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 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: AP-ECO  
 Project Manager: Bruce Baker  
 Address: \_\_\_\_\_  
 City: Hobbs State: NM Zip: 88240  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Location: TONY FOL. # 28  
 Sampler Name: Kyle Humphrey  
 P.O. #: 51170  
 Company: \_\_\_\_\_  
 Attn: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D. H02199 Sample I.D. \_\_\_\_\_  
 1 VERT. 2 @ 11 FT. (G)RAB OR (C)OMP. \_\_\_\_\_  
 2 VERT. 2 @ 12 FT # CONTAINERS \_\_\_\_\_  
 6 \_\_\_\_\_  
 1 \_\_\_\_\_  
 MATRIX: SOIL  OIL \_\_\_\_\_  
 SLUDGE \_\_\_\_\_ OTHER: \_\_\_\_\_  
 PRESERV: ACID/BASE: \_\_\_\_\_  
 ICE / COOL  OTHER: \_\_\_\_\_  
 DATE: 9-8-14 TIME: 12:00  
 DATE: 9-8-14 TIME: 12:05  
 Chlorides \_\_\_\_\_  
 TPH 8015 M \_\_\_\_\_  
 BTEX \_\_\_\_\_  
 Texas TPH \_\_\_\_\_  
 Complete Cations/Anions \_\_\_\_\_  
 TDS \_\_\_\_\_  
 R 75 #

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Relinquished By: [Signature] Date: 9/9/14 Time: 8:30  
 Received By: Medi Henderson  
 Delivered By: (Circle One) UPS Sample Condition: Cool  Intact   
 Sampler - UPS - Bus - Other: 2882 Yes  No   
 CHECKED BY: [Signature]  
 Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_  
 email results Lerry. Baker @ AP-ECO CORP, COM  
 Knorman@rice-ecs.com  
 KJones@rice-ecs.com; jkamppain@rice-ecs.com hconder@rice-ecs.com;  
 Lweinheimer@rice-ecs.com  
 Khumphrey@rice-ecs.com  
 sedwards@rice-ecs.com; lflores@rice-ecs.com

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

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