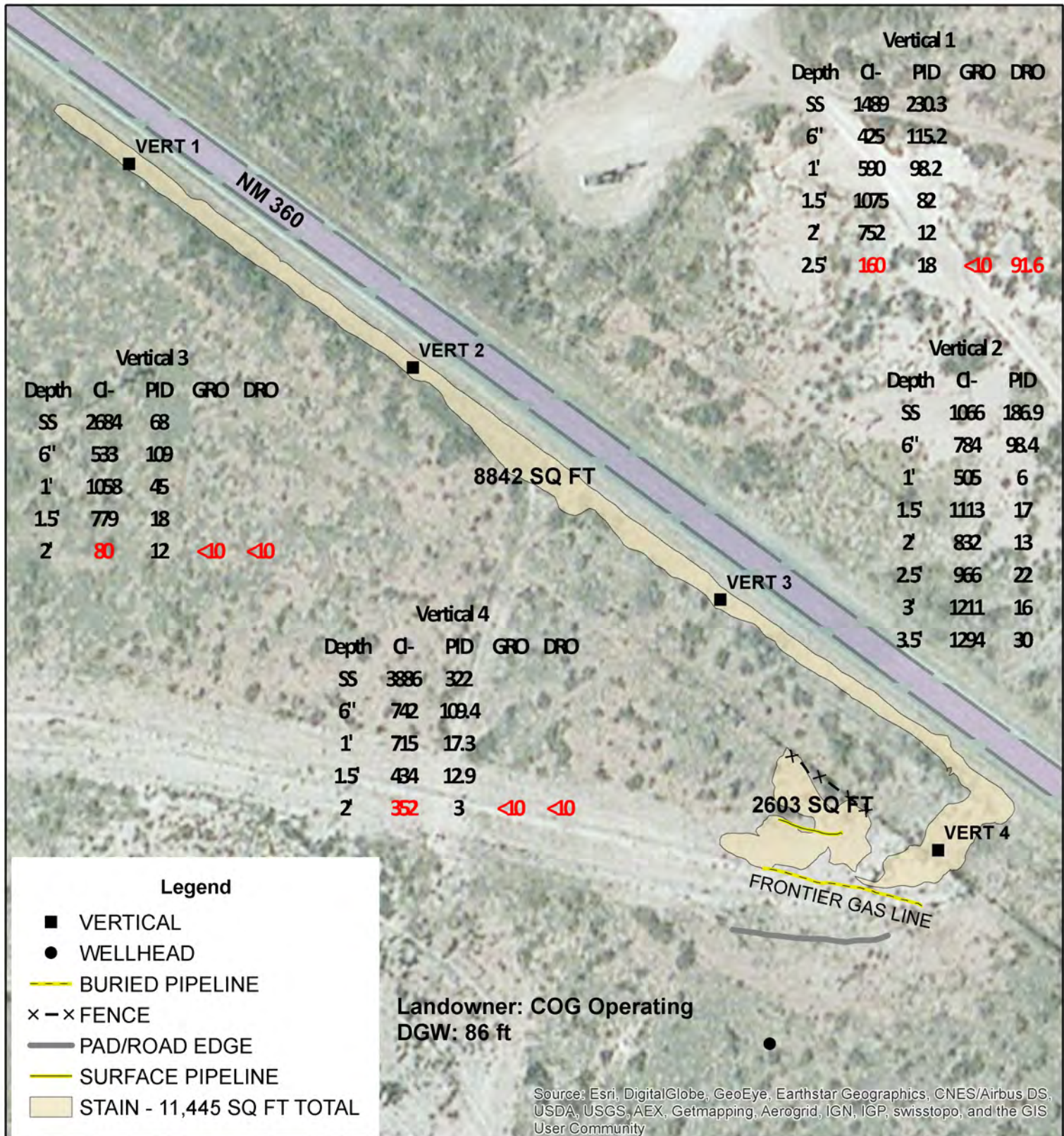


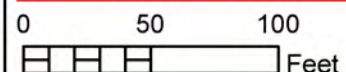
# Vertical Data



**APACHE  
EAU EMULSION  
LINE**

UL J SECTION 34  
T-17-S R-28-E  
EDDY COUNTY, NM

**Underground facilities are spatially projected and need to be field verified.**



GPS date: 2/9/15 AG  
Drawing date: 3/2/15  
Drafted by: T. Grieco





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

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February 26, 2015

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: EAU EMULSION LINE

Enclosed are the results of analyses for samples received by the laboratory on 02/25/15 16:50.

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:	02/25/2015	Sampling Date:	02/25/2015
Reported:	02/26/2015	Sampling Type:	Soil
Project Name:	EAU EMULSION LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: VERTICAL 1 @ 2.5' (H500551-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/26/2015	ND	416	104	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/26/2015	ND	201	101	200	2.35	
DRO >C10-C28	91.6	10.0	02/26/2015	ND	179	89.3	200	9.82	
Surrogate: 1-Chlorooctane	83.2 %	47.2-157							
Surrogate: 1-Chlorooctadecane	76.3 %	52.1-176							

**Sample ID: VERTICAL 3 @ 2' (H500551-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/26/2015	ND	416	104	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/26/2015	ND	201	101	200	2.35	
DRO >C10-C28	<10.0	10.0	02/26/2015	ND	179	89.3	200	9.82	
Surrogate: 1-Chlorooctane	80.4 %	47.2-157							
Surrogate: 1-Chlorooctadecane	71.3 %	52.1-176							

Cardinal Laboratories

\*=Accredited Analyte

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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) 393-2432Received: 02/25/2015  
Reported: 02/26/2015  
Project Name: EAU EMULSION LINE  
Project Number: NONE GIVEN  
Project Location: NOT GIVENSampling Date: 02/25/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson**Sample ID: VERTICAL 4 @ 2' (H500551-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/26/2015	ND	416	104	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/26/2015	ND	201	101	200	2.35	
DRO >C10-C28	<10.0	10.0	02/26/2015	ND	179	89.3	200	9.82	
Surrogate: 1-Chlorooctane	81.6 %	47.2-157							
Surrogate: 1-Chlorooctadecane	75.9 %	52.1-176							

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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 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



RUSH!!

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By: <i>[Signature]</i>		Date: <i>2/25/15</i>		Received By: <i>Jodi Benson</i>		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:	
Relinquished By:		Date:		Received By:		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #:	
Delivered By: (Circle One)		Time: <i>4:50</i>		Time:		REMARKS:			
Sampler - UPS - Bus - Other:		Sample Condition		CHECKED BY:		email: hconder@riceswd.com; lflores@rice-ecs.com;			
		<i>4.2g</i>		<i>[Signature]</i>		lweinheimer@rice-ecs.com; knorman@rice-ecs.com;			
		<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes				jkamplain@rice-ecs.com; sedwards@rice-ecs.com;			
		<input type="checkbox"/> No <input type="checkbox"/> No				kursanic@rice-ecs.com			
						Environmental Tech: <i>K Humphrey</i> @rice-ecs.com			

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

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