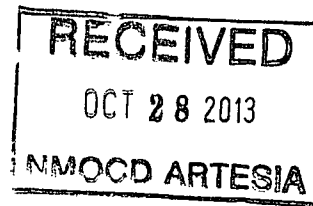




EXPLORING WHAT'S POSSIBLE



APACHE CORPORATION

P.O.Box 1849
Eunice, NM 88231
Phone 575.394.3159

Washington 33 St. #60 (2RP-1476)

Termination Request

API 30-015-40116

Release Date: September 3rd, 2012

Unit Letter O, Section 33, Township 17S, Range 28E

Rice Environmental Consulting & Safety

P.O. Box 2948 Hobbs, NM 88241

Phone 575.393.2967

March 15th, 2013

Mike Bratcher

New Mexico Energy, Minerals, & Natural Resources

Oil Conservation Division, Environmental Bureau – District 2

811 S. First St.

Artesia, NM 88210

RE: Termination Request

Apache Corporation

Washington 33 St. #60: UL/O sec. 33 T17S R28E

API No. 30-015-40116

2RP-1476

Mr. Bratcher:

Apache Corporation has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the site referenced above.

Background and Previous Work

On September 3rd, 2012, an accidental discharge of brine water occurred at the Washington 33 St. #60. The valve on the transfer line malfunctioned during the cement job and the Q-max employee could not transfer the fluid from the pit causing the pit to run over. The standing fluid was recovered from the site. Apache submitted the initial C-141 to NMOCD on September 3rd, 2012 which was approved on January 3rd, 2013 (Appendix A). The site is located 11.5 miles west of Loco Hills, in unit letter 'O', section 33, T-17-S R-28-E in Eddy County, New Mexico. BLM records indicated the groundwater will likely be encountered at a depth of approximately 78.5 feet.

RECS personnel were on site beginning on November 6th, 2012 to initiate work at the Washington 33 St. #60. Surface samples were collected throughout the release area and representative samples were taken to a commercial laboratory for analysis (Figure 1). Laboratory results showed elevated chlorides around the well head and to the north of the well head (Appendix B).

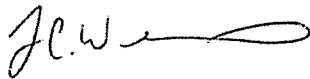
The release area near the well head (West Scrape) was excavated to 4 ft bgs. Composite samples were taken from each wall and the bottom of the excavation and field tested for chlorides (Figure 2). The composite samples were then sent to a commercial laboratory for analysis. The laboratory results returned chloride values below 250 mg/kg for all the walls and the bottom composite except for the west wall which returned a result of 800 mg/kg. The west wall dropped from a laboratory chloride value of 72,000 mg/kg to 800 mg/kg, which is a 99% drop in chloride values.

The north area (Frac Scrape) was excavated to 2 ft bgs and samples were taken and field tested for chlorides. Representative samples from each wall and from the bottom of the excavation were taken to a commercial laboratory for analysis of chlorides. All samples returned results below 250 mg/kg. Both excavations were backfilled with clean, imported soil. Photo documentation of these activities can be found in Appendix C.

2005 yards of contaminated soil was removed from excavated areas on the lease pad. Therefore, Apache submits the final C-141 (Appendix D) and respectfully requests the closure of the regulatory file for this site.

RECS appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 631-6432 below if you have any questions or wish to discuss the site.

Sincerely,

A handwritten signature in black ink, appearing to read 'J.C.W.' followed by a long, horizontal, wavy line.

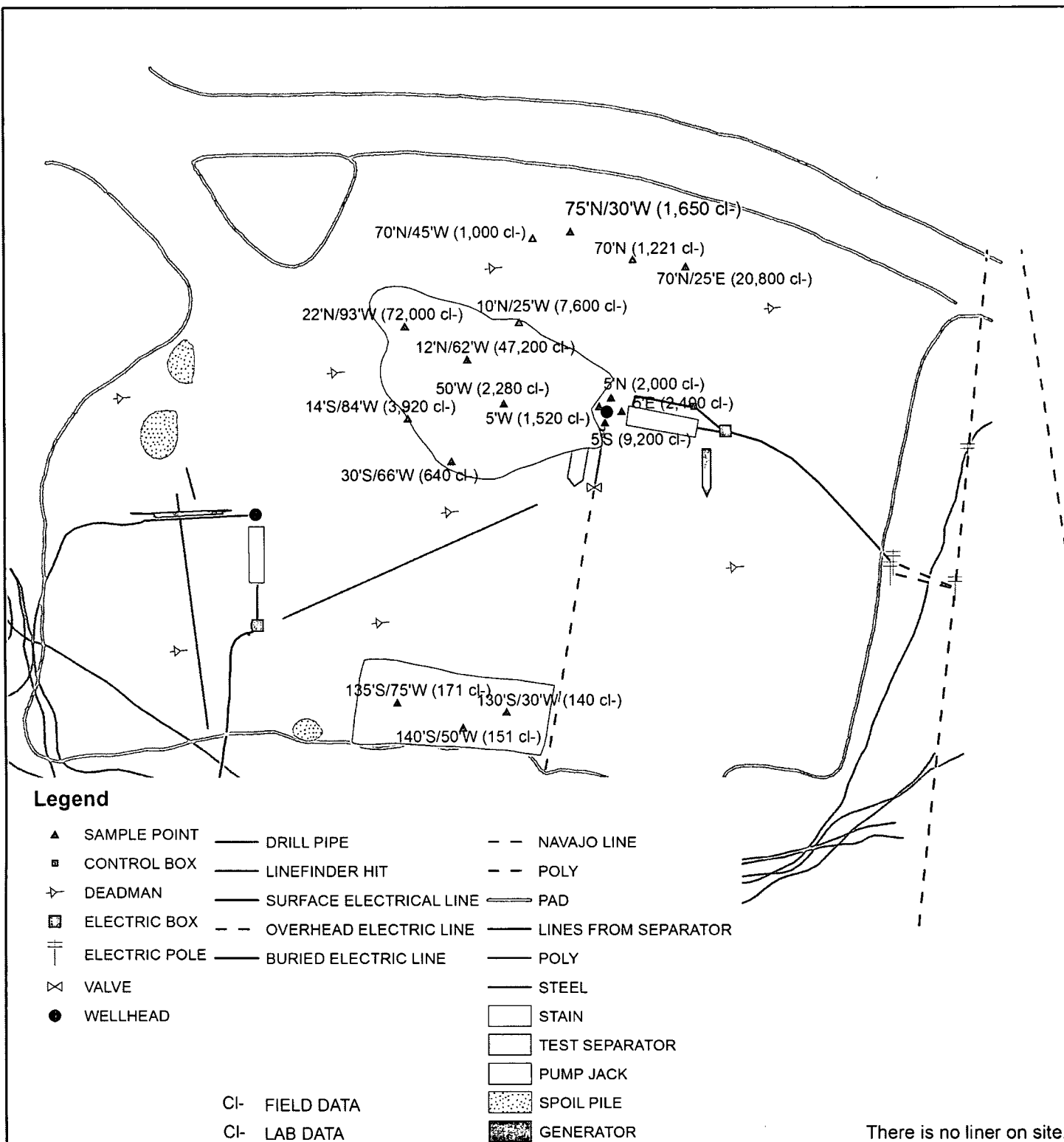
Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

Attachments:

- Figure – Site Map
- Appendix A – Initial C-141
- Appendix B – Laboratory Analysis
- Appendix C – Photo Documentation
- Appendix D – Final C-141

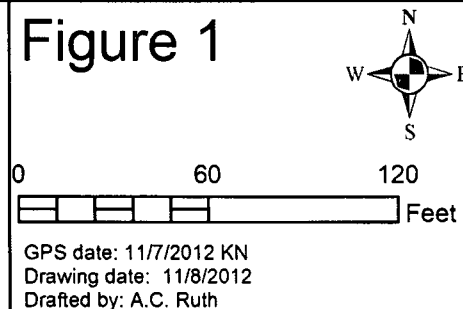
Figures

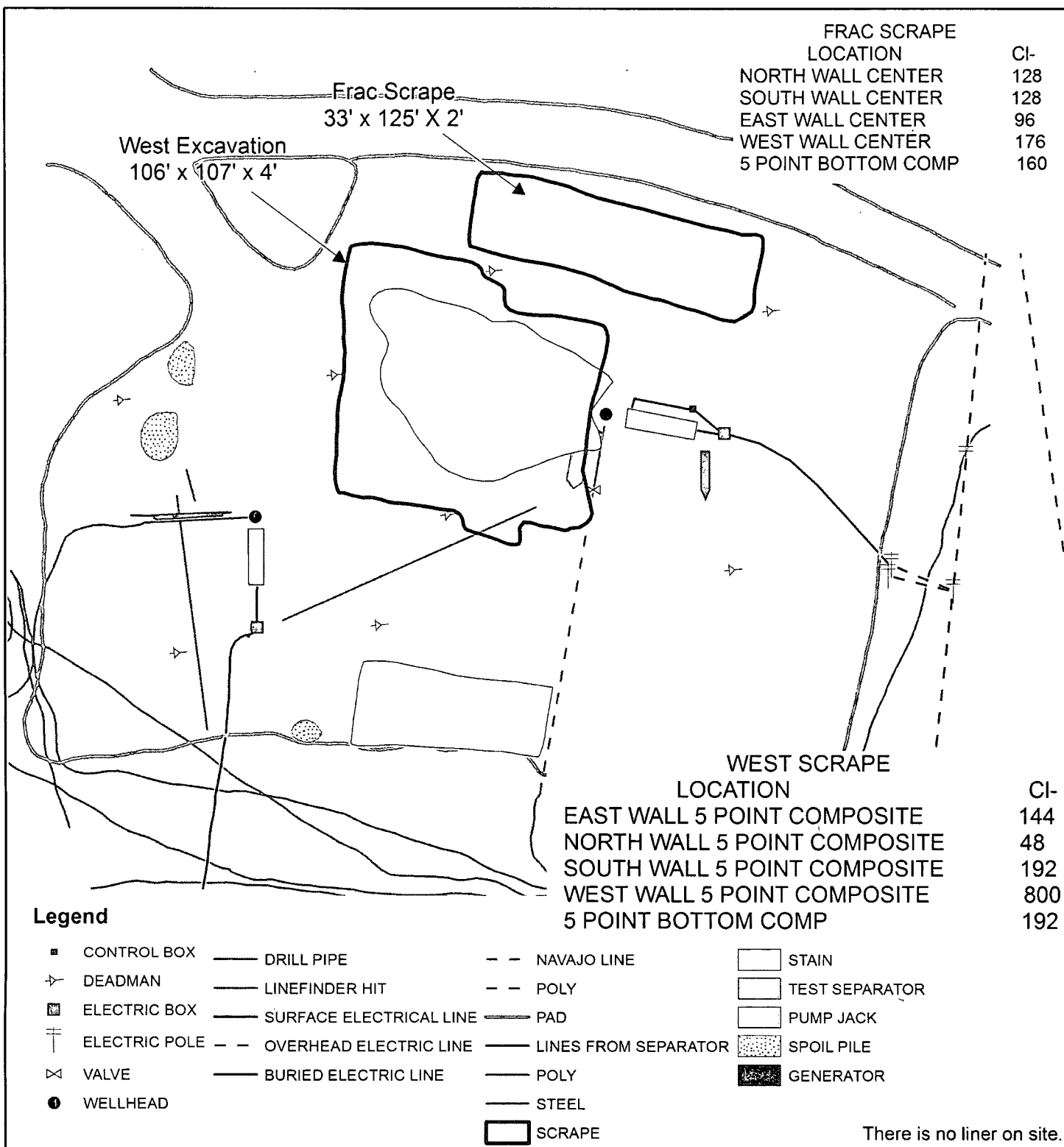
RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967



**APACHE
WASHINGTON
33 ST. #060**
 LEGALS: UL/O SEC 33
 T17S R28E
 EDDY COUNTY

Figure 1



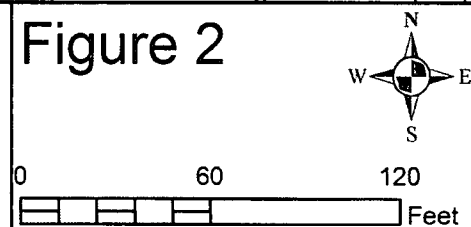


There is no liner on site.
Landowner = Bogle Ltd. Company



**APACHE
WASHINGTON
33 ST. #060**
LEGALS: UL/O SEC 33
T17S R28E
EDDY COUNTY

Figure 2



GPS date: 11/7/2012 KN
Drawing date: 11/8/2012
Drafted by: A.C. Ruth

Appendix B

Laboratory Analysis

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

Analytical Results For:

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

 Received: 11/06/2012
 Reported: 11/12/2012
 Project Name: WASHINGTON 33 STATE #060
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 11/06/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PT. 1 (H202708-01)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2012	ND	1.74	87.2	2.00	9.45	
Toluene*	<0.050	0.050	11/09/2012	ND	1.98	98.8	2.00	9.70	
Ethylbenzene*	<0.050	0.050	11/09/2012	ND	1.98	99.1	2.00	10.2	
Total Xylenes*	<0.150	0.150	11/09/2012	ND	6.03	101	6.00	9.53	
Total BTX	<0.300	0.300	11/09/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 119 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	11/08/2012	ND	384	96.0	400	4.08	

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	11/08/2012	ND	189	94.5	200	4.87	
DRO >C10-C28	736	10.0	11/08/2012	ND	204	102	200	9.18	

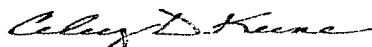
Surrogate: 1-Chlorooctane 88.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.8 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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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: 11/06/2012
Reported: 11/12/2012
Project Name: WASHINGTON 33 STATE #060
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/06/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 2 (H202708-02)

BTEX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2012	ND	1.74	87.2	2.00	9.45	
Toluene*	<0.050	0.050	11/09/2012	ND	1.98	98.8	2.00	9.70	
Ethylbenzene*	<0.050	0.050	11/09/2012	ND	1.98	99.1	2.00	10.2	
Total Xylenes*	<0.150	0.150	11/09/2012	ND	6.03	101	6.00	9.53	
Total BTEX	<0.300	0.300	11/09/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 120 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	11/09/2012	ND	384	96.0	400	4.08	

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	11/08/2012	ND	189	94.5	200	4.87	
DRO >C10-C28	83.3	10.0	11/08/2012	ND	204	102	200	9.18	

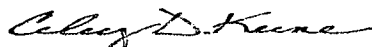
Surrogate: 1-Chlorooctane 87.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.8 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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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: 11/06/2012
 Reported: 11/12/2012
 Project Name: WASHINGTON 33 STATE #060
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 11/06/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PT. 3 (H202708-03)

BTEX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2012	ND	1.74	87.2	2.00	9.45	
Toluene*	<0.050	0.050	11/09/2012	ND	1.98	98.8	2.00	9.70	
Ethylbenzene*	<0.050	0.050	11/09/2012	ND	1.98	99.1	2.00	10.2	
Total Xylenes*	<0.150	0.150	11/09/2012	ND	6.03	101	6.00	9.53	
Total BTEX	<0.300	0.300	11/09/2012	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2040	16.0	11/09/2012	ND	384	96.0	400	4.08	

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	11/08/2012	ND	189	94.5	200	4.87	
DRO >C10-C28	41.6	10.0	11/08/2012	ND	204	102	200	9.18	

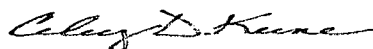
Surrogate: 1-Chlorooctane 90.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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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: 11/06/2012
 Reported: 11/12/2012
 Project Name: WASHINGTON 33 STATE #060
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 11/06/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PT. 4 (H202708-04)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/09/2012	ND	1.74	87.2	2.00	9.45		
Toluene*	<0.050	0.050	11/09/2012	ND	1.98	98.8	2.00	9.70		
Ethylbenzene*	<0.050	0.050	11/09/2012	ND	1.98	99.1	2.00	10.2		
Total Xylenes*	<0.150	0.150	11/09/2012	ND	6.03	101	6.00	9.53		
Total BTEX	<0.300	0.300	11/09/2012	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	11/09/2012	ND	384	96.0	400	4.08	

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	11/08/2012	ND	189	94.5	200	4.87	
DRO >C10-C28	51.9	10.0	11/08/2012	ND	204	102	200	9.18	

Surrogate: 1-Chlorooctane 90.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

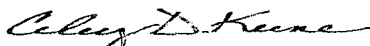
Sample ID: PT. 5 (H202708-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	47200	16.0	11/09/2012	ND	384	96.0	400	4.08		

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*=Accredited Analyte

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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: 11/06/2012
 Reported: 11/12/2012
 Project Name: WASHINGTON 33 STATE #060
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 11/06/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PT. 6 (H202708-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	72000	16.0	11/09/2012	ND	384	96.0	400	4.08	

Sample ID: PT. 7 (H202708-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	11/09/2012	ND	432	108	400	0.00	

Sample ID: PT. 8 (H202708-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	11/09/2012	ND	432	108	400	0.00	

Sample ID: PT. 9 (H202708-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	11/09/2012	ND	432	108	400	0.00	

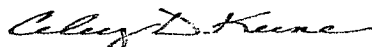
Sample ID: PT. 13 (H202708-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	11/09/2012	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

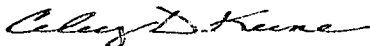
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL 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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Apache				BILL TO				ANALYSIS REQUEST																																																																																																																																																																																																																													
Project Manager: Natalie Gladden				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div>Chlorides</div> <div>TPH 8015 M</div> <div>BTEX</div> <div>Texas TPH</div> <div>Complete Cations/Anions</div> <div>TDS</div> </div>																																																																																																																																																																																																																													
Address:				Company:																																																																																																																																																																																																																																	
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Project Location: Washington 355r. #060				Phone #:																																																																																																																																																																																																																																	
Sampler Name: Kyle Norman				Fax #:																																																																																																																																																																																																																																	
<table border="1"> <thead> <tr> <th colspan="2">FOR LAB USE ONLY</th> <th rowspan="2">Lab I.D.</th> <th rowspan="2">Sample I.D.</th> <th rowspan="2">GIRAB OR (C)OMP.</th> <th rowspan="2"># CONTAINERS</th> <th colspan="6">MATRIX</th> <th colspan="2">PRESERV</th> <th colspan="2">SAMPLING</th> </tr> <tr> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>OIL</th> <th>SLUDGE</th> <th>OTHER</th> <th>ACID/BASE</th> <th>ICE / COOL</th> <th>OTHER</th> <th>DATE</th> <th>TIME</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>H202708</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>1 Pr. 1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>2 Pr. 2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>3 Pr. 3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>4 Pr. 4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>5 Pr. 5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>6 Pr. 6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>7 Pr. 7</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>8 Pr. 8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>9 Pr. 9</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>10 Pr. 10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>																FOR LAB USE ONLY		Lab I.D.	Sample I.D.	GIRAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV		SAMPLING		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME			H202708																	1 Pr. 1																	2 Pr. 2																	3 Pr. 3																	4 Pr. 4																	5 Pr. 5																	6 Pr. 6																	7 Pr. 7																	8 Pr. 8																	9 Pr. 9																	10 Pr. 10														
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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 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 11-6-12 Time: 9:30	Received By:	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No REMARKS:
Relinquished By:	Date: Time:	Received By:	email results Natalie.Gladden@usa.apachecorp.com Knorman@rice-ecs.com Bbaker@rice-ecs.com; hconder@rice-ecs.com; Lweinheimer@rice-ecs.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool - Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: (Initials) 	

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

November 12, 2012

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: WASHINGTON 33 STATE #060

Enclosed are the results of analyses for samples received by the laboratory on 11/07/12 16:30.

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.

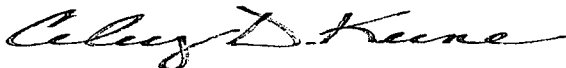
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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:

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

Received: 11/07/2012
Reported: 11/12/2012
Project Name: WASHINGTON 33 STATE #060
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/07/2012
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: PT. 15 (H202715-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1650	16.0	11/09/2012	ND	432	108	400	0.00	

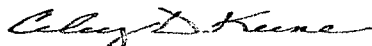
Sample ID: PT. 16 (H202715-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20800	16.0	11/09/2012	ND	432	108	400	0.00	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

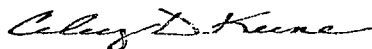
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

November 15, 2012

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: WASHINGTON 33 STATE #060

Enclosed are the results of analyses for samples received by the laboratory on 11/13/12 16:22.

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.

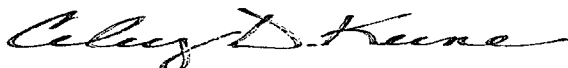
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Received: 11/13/2012
Reported: 11/15/2012
Project Name: WASHINGTON 33 STATE #060
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/13/2012
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: NORTH WALL CENTER (H202755-01)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/14/2012	ND	416	104	400	3.92	

Sample ID: SOUTH WALL CENTER (H202755-02)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/14/2012	ND	416	104	400	3.92	

Sample ID: EAST WALL CENTER (H202755-03)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/14/2012	ND	416	104	400	3.92	

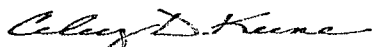
Sample ID: WEST WALL CENTER (H202755-04)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/14/2012	ND	416	104	400	3.92	

Cardinal Laboratories

* = Accredited Analyte

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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: 11/13/2012
Reported: 11/15/2012
Project Name: WASHINGTON 33 STATE #060
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/13/2012
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

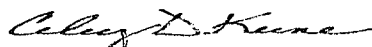
Sample ID: 5 PT. BOTTOM COMP (H202755-05)

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	11/14/2012	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

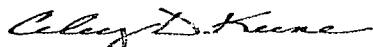
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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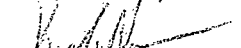

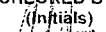


Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<small>PLEASE NOTE: Liability and Damages: Carrier'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 the client for the services. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Carrier within 30 days after completion of the applicable service. In no event shall Carrier be liable for accidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries or successors arising out of or related to the performance of services hereunder by Carrier, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>							
Relinquished By: 		Date: 11/22/12 Time: 4:22		Received By: 		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #:	
Relinquished By:		Date: Time:		Received By:		REMARKS: email results Natalie.Gladden@usa.apachecorp.com Knorman@rice-ecs.com Bbaker@rice-ecs.com; hconder@rice-ecs.com; Lweinheimer@rice-ecs.com	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		CHECKED BY: (Initials) 			

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

November 19, 2012

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: WASHINGTON 33 STATE #060

Enclosed are the results of analyses for samples received by the laboratory on 11/15/12 16:25.

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.

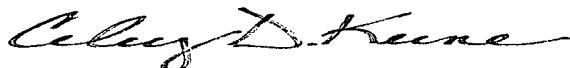
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

 Received: 11/15/2012
 Reported: 11/19/2012
 Project Name: WASHINGTON 33 STATE #060
 Project Number: WEST SCRAPE
 Project Location: NOT GIVEN

 Sampling Date: 11/15/2012
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: E WALL 5 PT. COMP (H202781-01)

Chloride, SM4500CI-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/16/2012	ND	432	108	400	0.00	

Sample ID: N WALL 5 PT. COMP (H202781-02)

Chloride, SM4500CI-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/16/2012	ND	432	108	400	0.00	

Sample ID: S WALL 5 PT. COMP (H202781-03)

Chloride, SM4500CI-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/16/2012	ND	432	108	400	0.00	

Sample ID: 5 PT. BTM COMP (H202781-04)

Chloride, SM4500CI-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/16/2012	ND	432	108	400	0.00	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

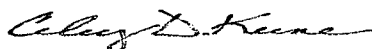
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL 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				BILL TO				ANALYSIS REQUEST																			
Project Manager: Natalie Gladden				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div>Chlorides</div> <div>TPH 8015 M</div> <div>BTEX</div> <div>Texas TPH</div> <div>Complete Cations/Anions</div> <div>TDS</div> </div>																			
Address:				Company:																							
City: Hobbs State: NM Zip: 88240				Attn:																							
Phone #: Fax #:				Address:																							
Project #: Project Owner:				City:																							
Project Name: <i>Weg Scope</i>				State: Zip:																							
Project Location: <i>Washington 33 St #060</i>				Phone #:																							
Sampler Name: Kyle Norman				Fax #:																							
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		G/RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING														
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:													DATE
H308781																											
1 East Wall Sp. Comp														11-5-12	11:20												
2 West Wall Sp. Comp														11	1:00												
3 South Wall Sp. Comp														11	2:00												
4 Sp. Bottom Comp														11	2:30												

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Relinquished By: <i>[Signature]</i>		Date: <i>11-5-12</i>	Received By: <i>[Signature]</i>		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Time: <i>1:05</i>					Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:		REMARKS: email results Natalie.Gladden@usa.apachecorp.com Knorman@rice-ecs.com Bbaker@rice-ecs.com; hconder@rice-ecs.com; Lweinheimer@rice-ecs.com	
Time:						
Delivered By: (Circle One)			Sample Condition		CHECKED BY:	
Sampler: <i>UPS</i> - Bus - Other:			Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<i>[Signature]</i>	

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

November 19, 2012

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: WASHINGTON 33 STATE #060

Enclosed are the results of analyses for samples received by the laboratory on 11/15/12 16:25.

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.

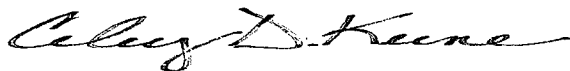
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Received: 11/15/2012
Reported: 11/19/2012
Project Name: WASHINGTON 33 STATE #060
Project Number: WEST SCRAPE
Project Location: NOT GIVEN

Sampling Date: 11/14/2012
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

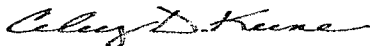
Sample ID: WEST WALL 5 PT. COMP (H202782-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	11/16/2012	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

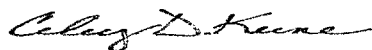
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

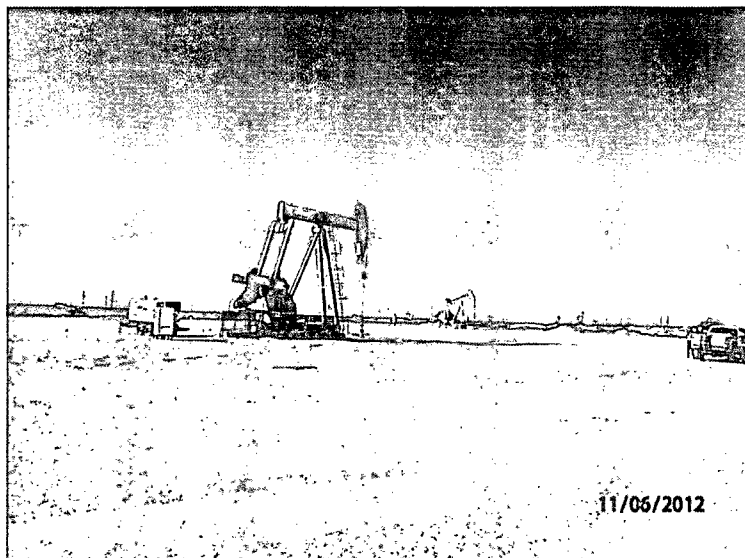
Appendix C

Photo Documentation

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

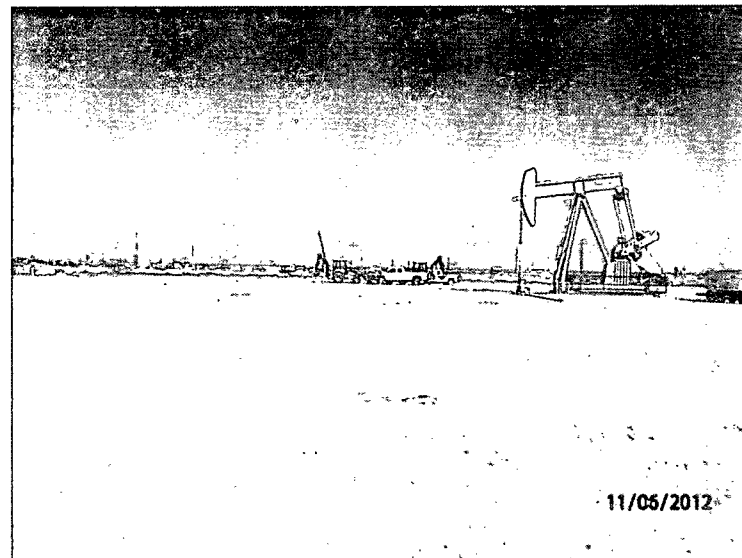
Apache Washington 33 St. #60

Unit Letter O, Section 33, T17S, R28E



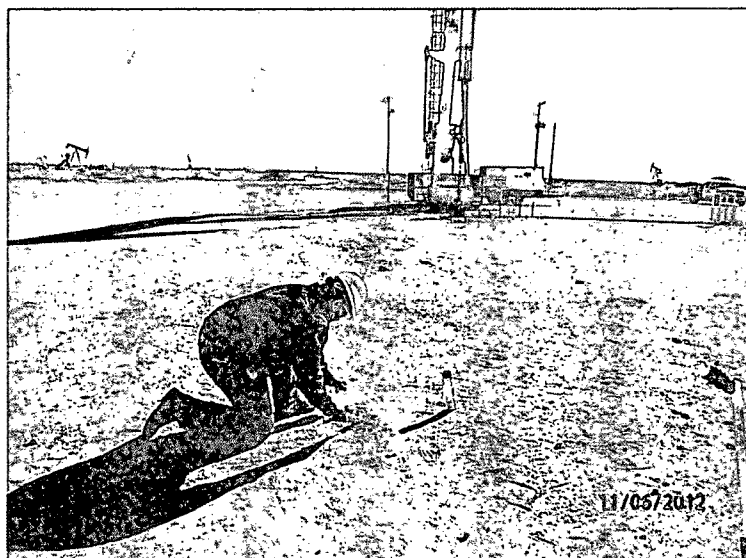
Initial site photo, facing southwest

11/6/12



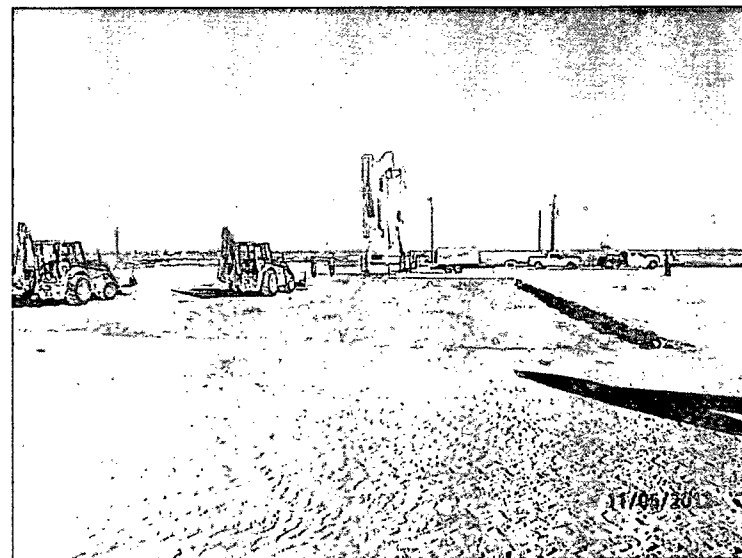
Initial site photo, facing north

11/6/12



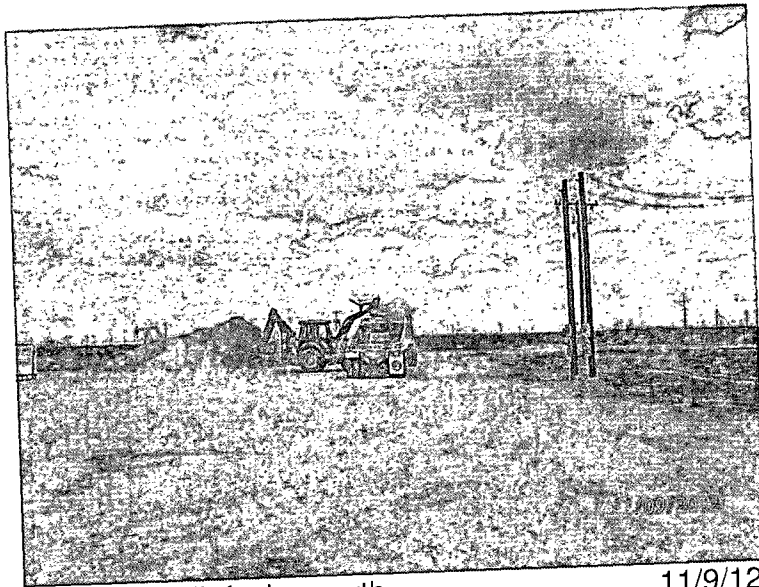
Collecting surface sample, facing east

11/6/12



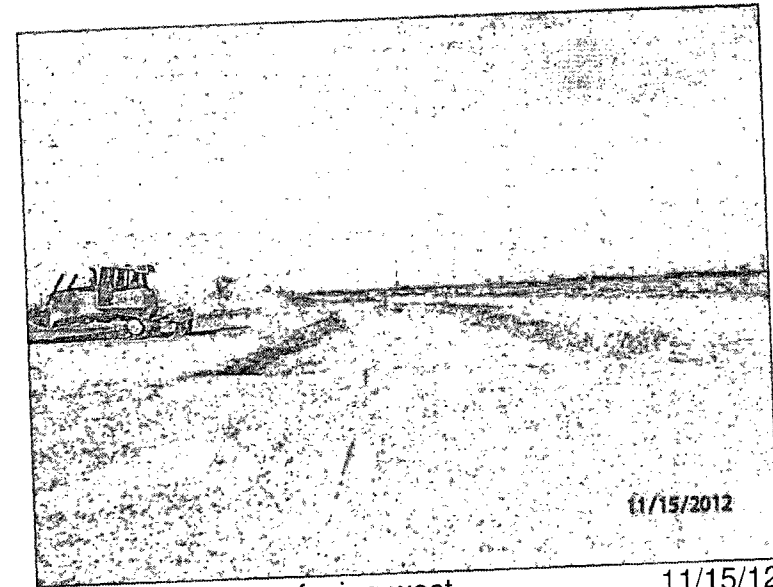
Scraping near well head, facing east

11/6/12



Exporting soil, facing north

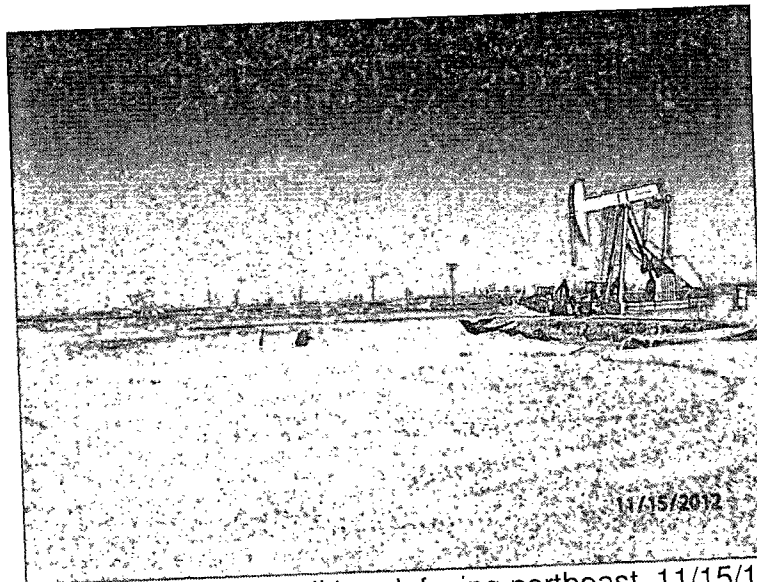
11/9/12



Final north scrape, facing west

11/15/2012

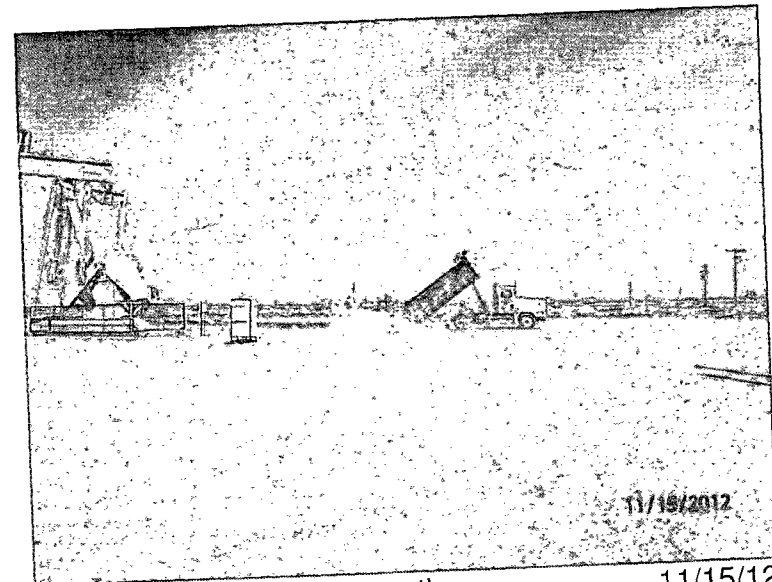
11/15/12



Final scrape near well head, facing northeast

11/15/2012

11/15/12



Importing backfill, facing north

11/15/2012

11/15/12

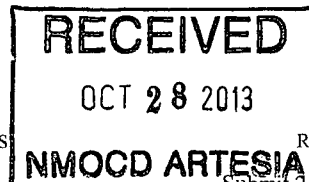
Appendix D

Final C-141

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505



Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Apache Corporation	Contact Larry Bruce Baker
Address PO Box 1849, Eunice, NM 88231	Telephone No. (432) 631-6982
Facility Name Washington 33 St. #60	Facility Type Producing well

Surface Owner Bogle Ltd. Company	Mineral Owner State	Lease No. 30-015-40116
----------------------------------	---------------------	------------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	33	17S	28E	855'	FSL	2375'	FEL	Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Brine Water	Volume of Release 15	Volume Recovered 2
Source of Release Valve	Date and Hour of Occurrence 9/3/12	Date and Hour of Discovery 9/3/12
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher	
By Whom? Natalie Gladden	Date and Hour 9/4/12 9:07am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Valve on the transfer line malfunctioned during the cement job and the Q-max employee could not transfer the fluid from the pit and the pit ran over. The standing fluid was recovered.

Describe Area Affected and Cleanup Action Taken.* RECS personnel were on site beginning on November 6th, 2012 to initiate work at the Washington 33 St. #60. Surface samples were collected throughout the release area and representative samples were taken to a commercial laboratory for analysis. Laboratory results showed elevated chlorides around the well head and to the north of the well head. The release area near the well head (West Scrape) was excavated to 4 ft bgs. Composite samples were taken from each wall and the bottom of the excavation and field tested for chlorides. The composite samples were then sent to a commercial laboratory for analysis. The laboratory results returned chloride values below 250 mg/kg for all the walls and the bottom composite except for the west wall which returned a result of 800 mg/kg. The west wall dropped from a laboratory chloride value of 72,000 mg/kg to 800 mg/kg, which is a 99% drop in chloride values. The north area (Frac Scrape) was excavated to 2 ft bgs and samples were taken and field tested for chlorides. Representative samples from each wall and from the bottom of the excavation were taken to a commercial laboratory for analysis of chlorides. All samples returned results below 250 mg/kg. Both excavations were backfilled with clean, imported soil. 2005 yards of contaminated soil was removed from excavated areas on the lease pad.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC D rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOC D marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOC D acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>Larry Bruce Baker</i>		OIL CONSERVATION DIVISION	
Printed Name: Larry Bruce Baker		Approved by District Supervisor:	
Title: Environmental Tech		Approval Date:	Expiration Date:
E-mail Address: larry.baker@apachecorp.com		Conditions of Approval:	
Date: 10-21-13 Phone: (432) 631-6982		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary