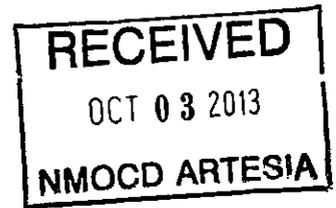




EXPLORING WHAT'S POSSIBLE

APACHE CORPORATION

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



Tony Federal Tank Battery

Closure Report

2RP-1605

API 30-015-30244

Release Date: May 23rd, 2012

Unit Letter K, Section 18, Township 17S, Range 31E

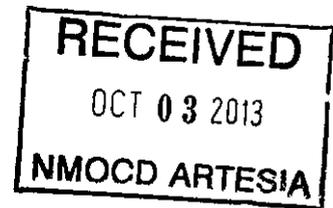
Rice Environmental Consulting & Safety

P.O. Box 2948 Hobbs, NM 88241

Phone 575.393.2967

June 3rd, 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 Tony Federal Tank Battery AD (2RP-1605)
UL/K sec. 18 T17S R31E
API No. 30-015-30244**

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

The site is an accidental discharge of produced water associated with the Tony Federal Tank Battery. A pin hole size leak was discovered in the body of the 4 in check valve on the water transfer liner on May 23rd, 2012. A total of 15 barrels of fluid was released and a total of 5 barrels of fluid was recovered from the site. The line was repaired and NMOCD was informed of the release on the May 23rd, 2012. An initial form C-141 was submitted to NMOCD on May 26th, 2012. (Appendix A). The site is located approximately 4 miles east of Loco Hills in unit letter 'K' of section 18, T17S, R31E in Eddy County, New Mexico. This site is located in an area of no known groundwater.

Beginning on May 23rd, 2012, RECS personnel initiated work on the Tony Federal Tank Battery (Figure 1). Soil samples were collected from the surface of the site and at depth. The samples were field tested for chlorides and hydrocarbons. The surface samples were submitted to a commercial laboratory for chloride and TPH analysis (Appendix B). Laboratory results showed high chloride values and low TPH values across the release area.

The entire leak area was excavated to 2 ft below ground surface (Figure 2). On July 3rd, 2012, a representative 5 point composite soil sample was collected from the excavation floor. The sample was field tested for chlorides and hydrocarbons and then the sample was taken to a commercial laboratory for analysis (Appendix C). The sample returned a chloride result of 352 mg/kg, a GRO result of non-detect and a DRO result of 357 mg/kg.

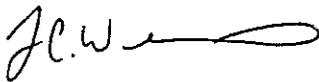
The excavated soil was taken to a NMOCD approved facility for disposal and clean soil was imported to the site to use as backfill. A sample of the imported soil was taken to a commercial laboratory for analysis and returned a chloride result of 144 mg/kg (Appendix D).

Conclusion

According to data obtained from the installation of several temporary monitor wells at surrounding locations, no groundwater exists beneath the site (Appendix D). Due to the non-existence of groundwater in the area, Apache submits the final C-141 (Appendix E) and respectfully requests the closure of the regulatory file for this site.

Apache Corporation appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 631-6432 if you have any questions or comments.

Sincerely,



Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

Attachments:

- Figure 1: Site Plat with Initial Sampling Data
- Figure 2: Site Plat with Final Excavation Lab Data
- Appendix A: Initial Form C-141
- Appendix B: Site Photographs
- Appendix C: Laboratory Results
- Appendix D: Groundwater Study
- Appendix E: Final Form C-141



Figures

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

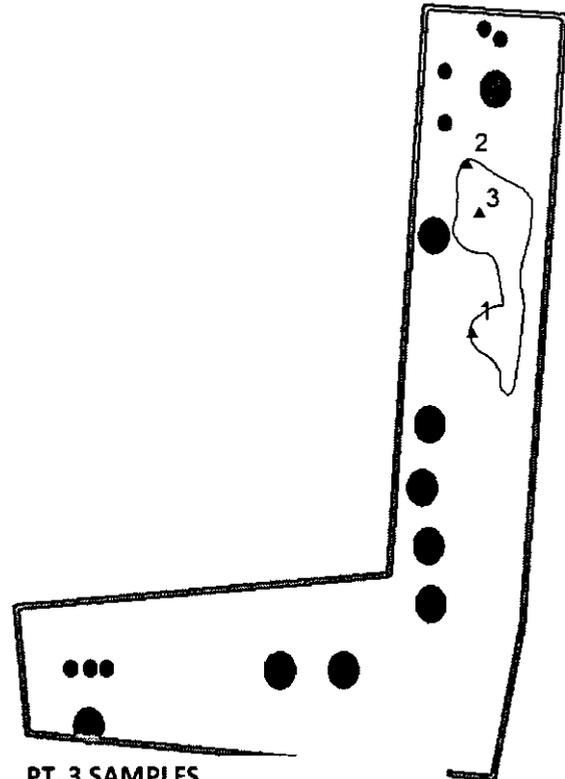
Initial Sampling Data

PT. 1 SAMPLES

Sample Description	Cl-	PID	LAB Cl-	GRO	DRO
Pt.1 @ SURFACE	17,523	30	17,000	14.6	28.2
Pt.1 @0.5'	7,682	10.1			
Pt.1 @1'	1,355	7.6			
Pt.1 @1.5'	743	2.4			
Pt.1 @2'	593	1.9			
Pt.1 @2.5'	960	2.3			
Pt.1 @3'	1,133	2.7			
Pt.1 @3.5'	1,311	2.8			
Pt.1 @4'	1,071	1			
Pt.1 @4.5'	1,182	2.1			
Pt.1 @5'	1,260	1.9			
Pt.1 @5.5'	1,057	1.9			
Pt.1 @6'	2,148	1.7			
Pt.1 @6.5'	1,290	2.3			
Pt.1 @7'	1,530	2.1			
Pt.1 @7.5'	1,424	2.7			
Pt.1 @8'	888	1.1			
Pt.1 @8.5'	1,698	0.9			

Temporary MW
4-11-11
No Water

Lease Road



PT. 2 SAMPLES

Sample Description	Cl-	PID	LAB Cl-	GRO	DRO
Pt.2 @ SURFACE	22,488	3	27,600	<10	<10
Pt.2 @0.5'	4,424	1.5			
Pt.2 @1'	488	1			
Pt.2 @1.5'	314	1.2			
Pt.2 @2'	302	1.3			
Pt.2 @2.5'	669	1.6			
Pt.2 @3'	360	1.9			
Pt.2 @3.5'	421	2.1			
Pt.2 @4'	602	1.1			
Pt.2 @4.5'	471	1.1			
Pt.2 @5'	647	1			
Pt.2 @5.5'	1,180	0.9			
Pt.2 @6'	922	0.7			
Pt.2 @6.5'	750	1.5			
Pt.2 @7'	619	2.5			
Pt.2 @7.5'	420	2.1			
Pt.2 @8'	562	1.9			
Pt.2 @8.5'	606	1.5			

PT. 3 SAMPLES

Sample Description	Cl-	PID	LAB Cl-	GRO	DRO
Pt.3 @ SURFACE	17,355	9	19,600	<10	59.2
Pt.3 @0.5'	2,073	6			
Pt.3 @1'	1,881	3.1			
Pt.3 @1.5'	521	2.7			
Pt.3 @2'	570	1.1			
Pt.3 @2.5'	513	1			
Pt.3 @3'	473	0.9			
Pt.3 @3.5'	644	0.7			
Pt.3 @4'	547	0.8			
Pt.3 @4.5'	440	1			
Pt.3 @5'	611	2			
Pt.3 @5.5'	656	2.5			
Pt.3 @6'	495	2.6			
Pt.3 @6.5'	469	1.4			
Pt.3 @7'	583	1.7			
Pt.3 @7.5'	651	2.5			
Pt.3 @8'	529	0.9			
Pt.3 @8.5'	558	1.5			

Legend

- ▲ SAMPLE POINTS
- BERM
- CONTAMINATED AREA (995 sq ft)
- SEPARATOR
- TANK

DGW = NONE



APACHE TONY FEDERAL TANK BATTERY

UL K SECTION 18
T-17-S R-31-E
EDDY COUNTY, NM

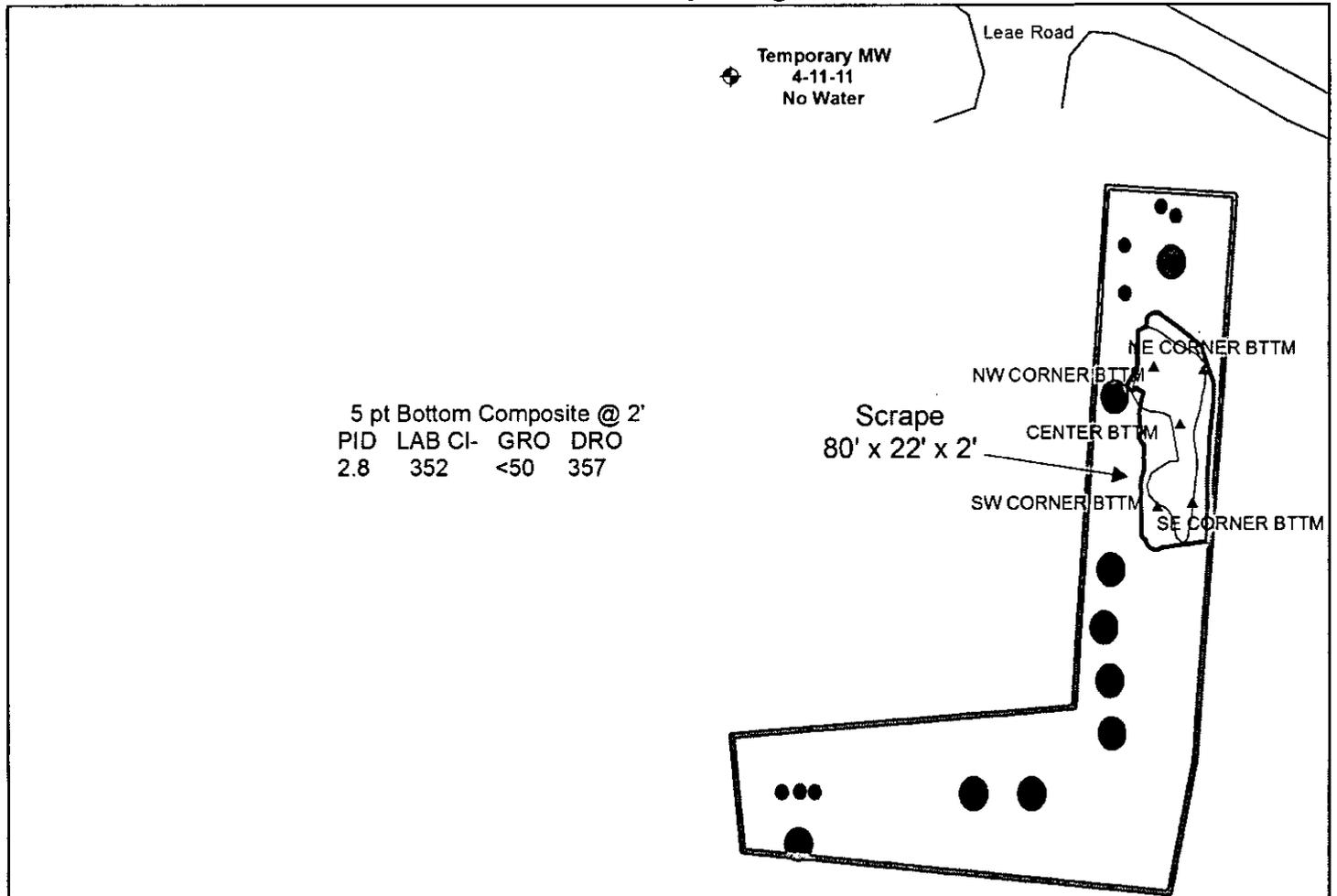
Figure 1



0 40 80
Feet

GPS date: 5/23/12 by JK
Drawing date: 6/4/12
Drafted by: L. Weinheimer

Final Sampling Data



5 pt Bottom Composite @ 2'
 PID LAB CI- GRO DRO
 2.8 352 <50 357

Legend

- ▲ FINAL SAMPLE POINTS
- BERM
- ▭ SCRAPE
- ▭ CONTAMINATED AREA (995 sq ft)
- SEPARATER
- TANK

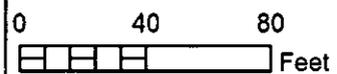
DGW = NONE



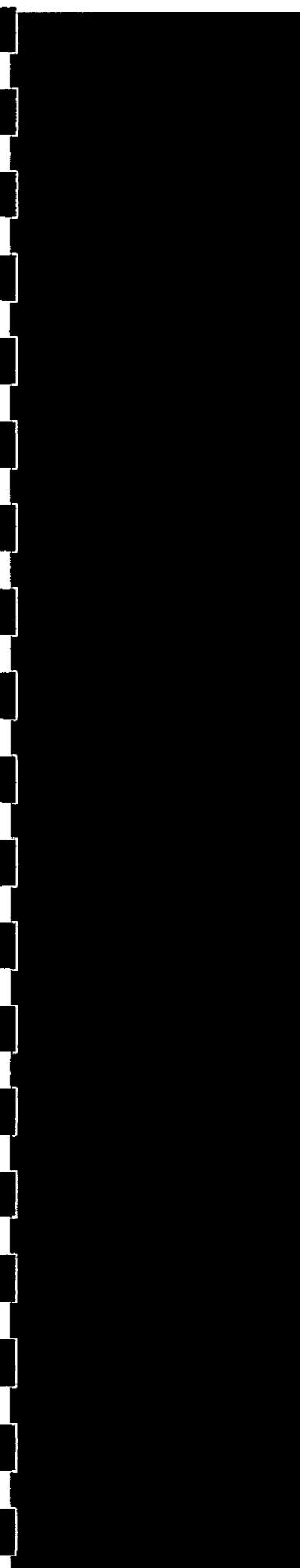
APACHE TONY FEDERAL TANK BATTERY

UL K SECTION 18
 T-17-S R-31-E
 EDDY COUNTY, NM

Figure 2



GPS date: 5/23/12 by JK
 Drawing date: 6/4/12
 Drafted by: L. Weinheimer



Appendix A

Initial 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
811 S. First St., 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

RECEIVED
MAR 26 2013
Submit 1 Copy to appropriate District Office in NMOC D ARTESIA

Form C-141
Revised August 8, 2011
District Office in
Artesia, NM 88210
19.15.29 NMAC.

Release Notification and Corrective Action

nJMW 1809930190 OPERATOR Initial Report Final Report

Name of Company Apache Corporation 873	Contact Natalie Gladden
Address PO Box 1849, Eunice NM 88231	Telephone No. 575-390-4186
Facility Name Tony Federal Battery (nearest well #1)	Facility Type Production Facility
Surface Owner BLM	Mineral Owner BLM
API No. 30-015-30244	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	18	17S	31E	1385'	FSL	1410'	FWL	Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 15	Volume Recovered 5
Source of Release Hole in 4" check valve	Date and Hour of Occurrence 05/23/12	Date and Hour of Discovery Same
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Amos/Bratcher	
By Whom? Natalie Gladden	Date and Hour 05/23/12	
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.*
Pin hole size leak in the body of the 4" check valve on the water transfer line.

Describe Area Affected and Cleanup Action Taken.*
Site will be remediated by NMOCD/BLM Guidelines to closure.

RECEIVED
OCT 03 2013
NMOCD ARTESIA

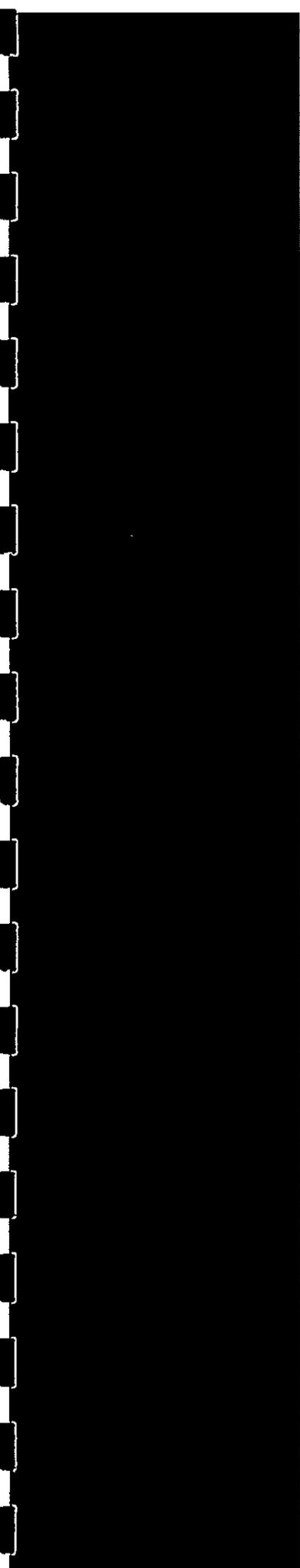
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD 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, NMOCD 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>Natalie Gladden</i>	OIL CONSERVATION DIVISION	
Printed Name: Natalie Gladden	Approved by Environmental Specialist: Signed By <i>M/L Bratcher</i>	
Title: Sr. Environmental Tech	Approval Date: APR 08 2013	Expiration Date:
E-mail Address: natalie.gladden@apachecorp.com	Conditions of Approval: Remediation per OCD Rule & Guidelines. SUBMIT REMEDIATION PROPOSAL NO LATER THAN:	Attached <input type="checkbox"/>
Date: 5/26/12 Phone: 575-390-4186		

* Attach Additional Sheets If Necessary

May 9, 2013

2RP-1605



Appendix B

Initial Laboratory Analyses

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

May 30, 2012

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: TONY FEDERAL TANK BATTERY AD

Enclosed are the results of analyses for samples received by the laboratory on 05/25/12 8:30.

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,



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: 05/25/2012
 Reported: 05/30/2012
 Project Name: TONY FEDERAL TANK BATTERY AD
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 05/23/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PT. 1 @ SURFACE (H201193-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	17000	16.0	05/29/2012	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	14.6	10.0	05/29/2012	ND	191	95.4	200	1.35		
DRO >C10-C28	28.2	10.0	05/29/2012	ND	193	96.6	200	1.68		

Surrogate: 1-Chlorooctane 84.0 % 65.2-140
 Surrogate: 1-Chlorooctadecane 95.7 % 63.6-154

Sample ID: PT. 2 @ SURFACE (H201193-02)

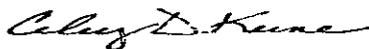
Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	27600	16.0	05/29/2012	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/29/2012	ND	191	95.4	200	1.35		
DRO >C10-C28	<10.0	10.0	05/29/2012	ND	193	96.6	200	1.68		

Surrogate: 1-Chlorooctane 87.6 % 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:	05/25/2012	Sampling Date:	05/23/2012
Reported:	05/30/2012	Sampling Type:	Soil
Project Name:	TONY FEDERAL TANK BATTERY AD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 3 @ SURFACE (H201193-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	19600	16.0	05/29/2012	ND	432	108	400	0.00		
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	05/29/2012	ND	191	95.4	200	1.35		
DRO >C10-C28	59.2	10.0	05/29/2012	ND	193	96.6	200	1.68		
<i>Surrogate: 1-Chlorooctane</i>	<i>84.0 %</i>	<i>65.2-140</i>								
<i>Surrogate: 1-Chlorooctadecane</i>	<i>99.2 %</i>	<i>63.6-154</i>								

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

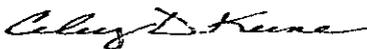
Notes and Definitions

- 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

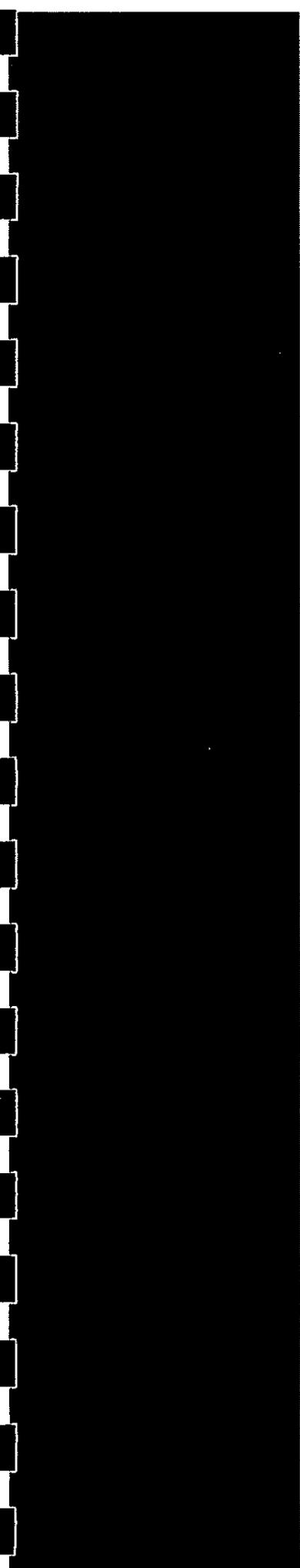
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Appendix C

Final Sampling Laboratory Analysis

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

July 13, 2012

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: TONY FEDERAL BATTERY AD

Enclosed are the results of analyses for samples received by the laboratory on 07/05/12 11:05.

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.

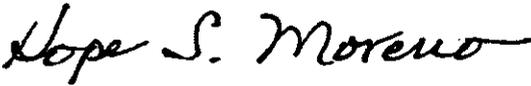
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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,



Hope Moreno

Inorganic Technical Director

Analytical Results For:

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

 Received: 07/05/2012
 Reported: 07/13/2012
 Project Name: TONY FEDERAL BATTERY AD
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 07/03/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 5 PT BTM COMP @ 2' (H201521-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	07/06/2012	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: AM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	07/11/2012	ND	193	96.5	200	0.00207	
DRO >C10-C28	357	50.0	07/11/2012	ND	202	101	200	0.0431	

Surrogate: 1-Chlorooctane 69.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 130 % 63.6-154

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.



Hope Moreno, Inorganic Technical Director

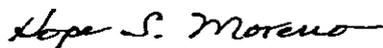
Notes and Definitions

- 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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Hope Moreno, Inorganic Technical Director

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

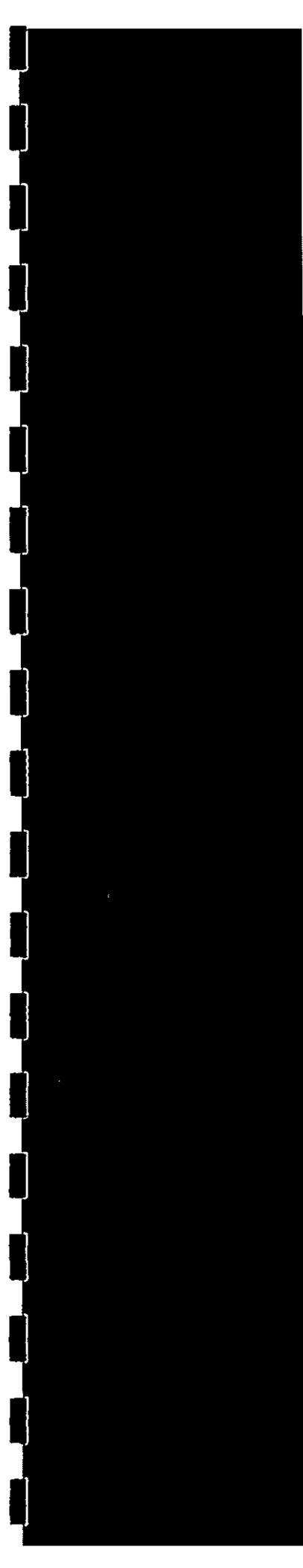
ARDINAL LABORATORIES

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

<p>Company Name: Apache Project Manager: Natalie Gladden Address: City: State: NM Zip: Phone #: Fax #: Project #: Project Owner: Project Name: 709 Federal Battery A.D. Project Location: Sampler Name: Dakota Harris</p>										<p>BILL TO</p>										<p>ANALYSIS REQUEST</p>																			
<p>FOR LAB USE ONLY</p>										<p>MATRIX</p>										<p>PRESERV</p>										<p>SAMPLING</p>									
<p>Lab I.D. Sample I.D.</p>										<p>GROUNDWATER</p>										<p>ACID/BASE</p>										<p>DATE TIME</p>									
<p>H201521</p>										<p>WASTEWATER</p>										<p>ICE / COOL</p>										<p>7-3-12 2:00</p>									
<p>1</p>										<p>SOIL</p>										<p>OTHER</p>										<p>Chlorides</p>									
<p>509 Federal Comp Co Sample in side battery</p>										<p>SLUDGE</p>										<p>OTHER</p>										<p>Texas TPH</p>									
<p>(GRAB OR (C)MP</p>										<p>OTHER</p>										<p>OTHER</p>										<p>Complete Cations/Anions</p>									
<p># CONTAINERS</p>										<p>GROUNDWATER</p>										<p>ACID/BASE</p>										<p>DATE TIME</p>									
<p>7-5-12 0700</p>										<p>WASTEWATER</p>										<p>ICE / COOL</p>										<p>7-5-12 1105</p>									
<p>7-5-12 0700</p>										<p>SOIL</p>										<p>OTHER</p>										<p>Chlorides</p>									
<p>7-5-12 1105</p>										<p>SLUDGE</p>										<p>OTHER</p>										<p>Texas TPH</p>									
<p>Relinquished By: [Signature]</p>										<p>Received By: [Signature]</p>										<p>Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>										<p>Additional Phone #:</p>									
<p>Relinquished By: [Signature]</p>										<p>Received By: [Signature]</p>										<p>Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>										<p>Additional Fax #:</p>									
<p>Delivered By: (Circle One) [Signature]</p>										<p>Sample Condition</p>										<p>Checked By: [Signature]</p>										<p>Remarks:</p>									
<p>Sampler - UPS - Bus - Other:</p>										<p>Cool/Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>										<p>email results</p>										<p>Natalie.Gladden@usa.apachecorp.com;</p>									
<p>#26</p>										<p>-10</p>										<p>Zcorder@rice-ecs.com; Bbaker@rice-ecs.com;</p>										<p>hconder@rice-ecs.com; Lweinheimer@rice-ecs.com</p>									

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



Appendix D

Imported Soil Laboratory Analysis

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

July 12, 2012

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: TONY FEDERAL BATTERY AD

Enclosed are the results of analyses for samples received by the laboratory on 07/09/12 10:00.

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.

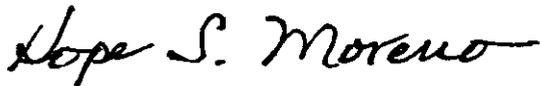
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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,



Hope Moreno

Inorganic Technical Director

Analytical Results For:

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

 Received: 07/09/2012
 Reported: 07/12/2012
 Project Name: TONY FEDERAL BATTERY AD
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 07/06/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: IMPORTED SOIL (H201553-01)

Chloride, SM4500Cl-B

mg/kg

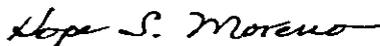
Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/10/2012	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Hope Moreno, Inorganic Technical Director

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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Hope S. Moreno

Hope Moreno, Inorganic Technical Director

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

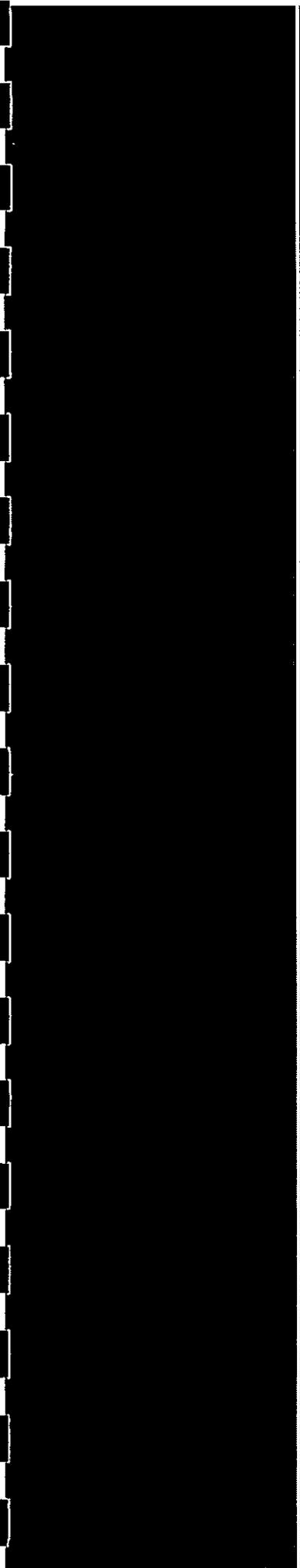
101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

Company Name: Apache		P.O. #:		ANALYSIS REQUEST	
Project Manager: <i>No. for the G. to do it</i>		Company:		Chlorides	
Address:		Attn:		TPH 8015 M	
City:		Address:		BTEX	
Phone #:		City:		Texas TPH	
State:		State:		Complete Cations/Anions	
Zip:		Zip:		TDS	
Project #:		Phone #:			
Project Name: <i>Tony Federal Battery</i>		Fax #:			
Project Location:		PRESERV			
Sampler Name: <i>Dakota Harris</i>		SAMPLING			
FOR LAB USE ONLY		DATE		TIME	
Lab I.D. Sample I.D.		7-9-12		3:00	
M201553		EMPHATIC SOIL			
		GROUNDWATER			
		WASTEWATER			
		SOIL			
		OIL			
		SLUDGE			
		OTHER:			
		ACID/BASE:			
		ICE / COOL			
		OTHER:			
		# CONTAINERS			
		(G)RAB OR (C)OMP			
		Received By: <i>[Signature]</i>		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		Date: 7-9-12		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		Time: 07:15		Add'l Phone #:	
		Received By: <i>[Signature]</i>		Add'l Fax #:	
		Date: 7-9-12		REMARKS:	
		Time: 10:00		email results <i>No. for the G. to do it & US99 Operate@rice.com</i>	
		Sample Condition		Zconder@rice-ecs.com; Bbaker@rice-ecs.com;	
		Cool Intact		hconder@rice-ecs.com; Lweinheimer@rice-ecs.com	
		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
		Checked By: <i>[Signature]</i>			
		Initials: <i>[Signature]</i>			
		Delivered By: <i>[Signature]</i>			
		Delivered By: (Circle One)			
		Sampler - UPS - Bus - Other:			

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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-4476

#26



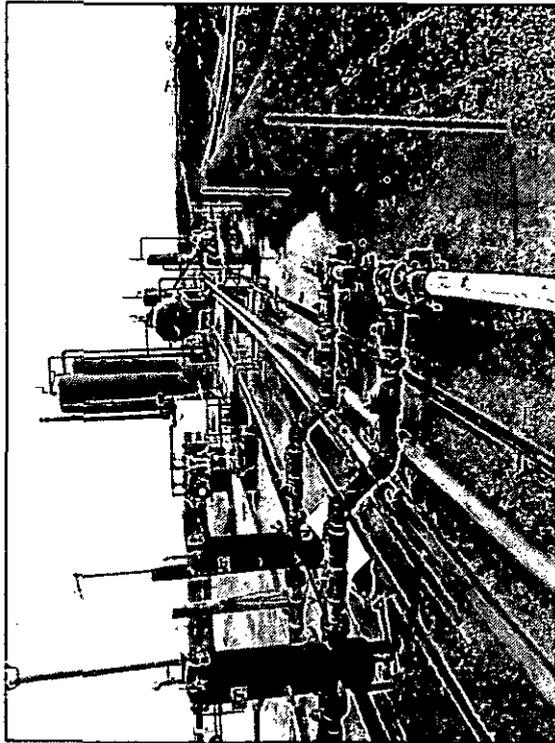
Appendix E

Photo Documentation

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

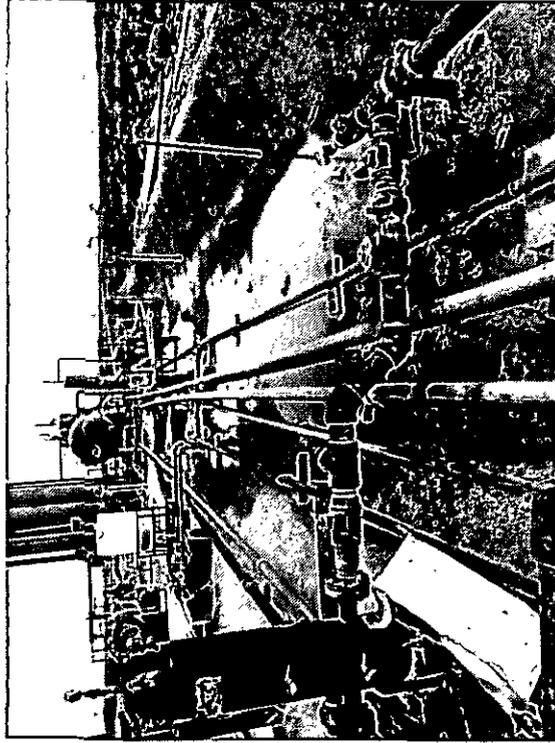
Apache Tony Federal Tank Battery AD

Unit K, Section 18, T17S, R31E



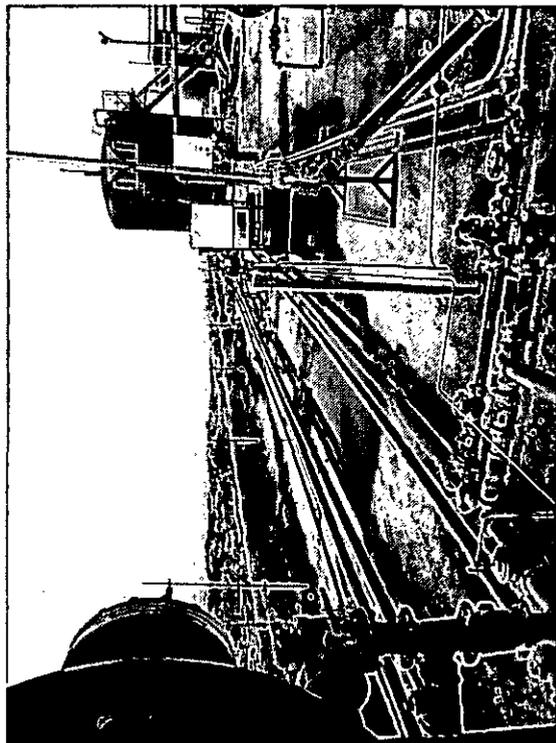
Initial release area, facing northwest

5/23/12



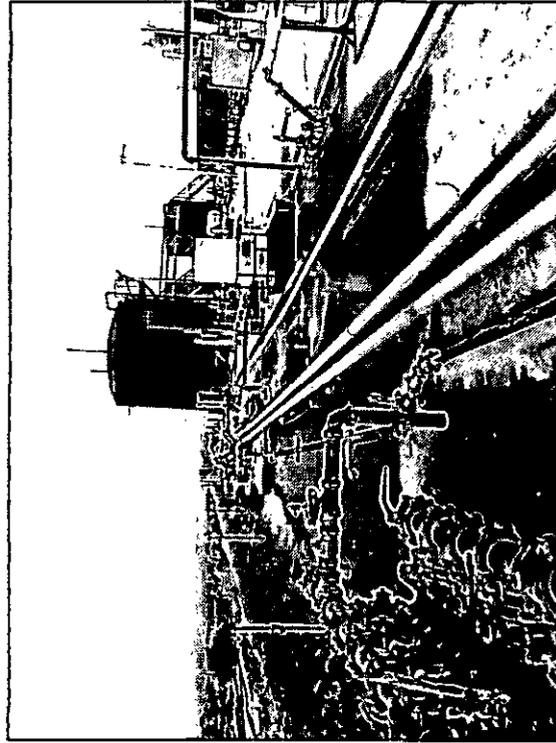
Initial release area, facing north

5/23/12



Initial release area, facing southwest

5/23/12

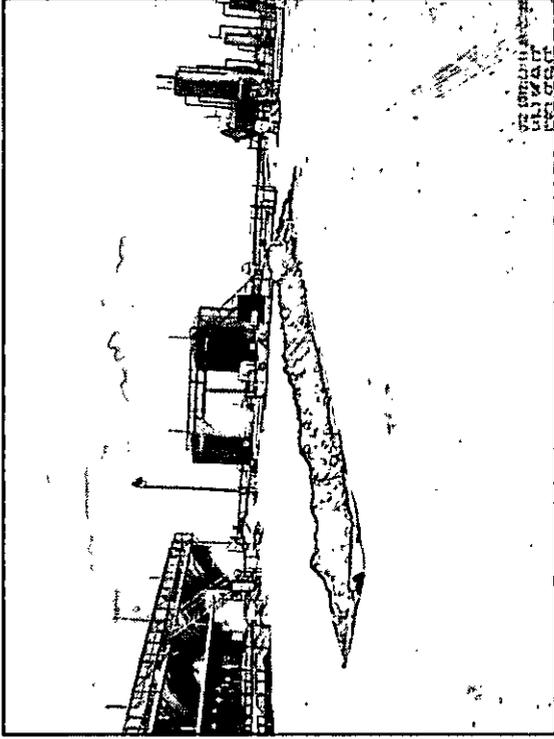


Initial release area, facing south

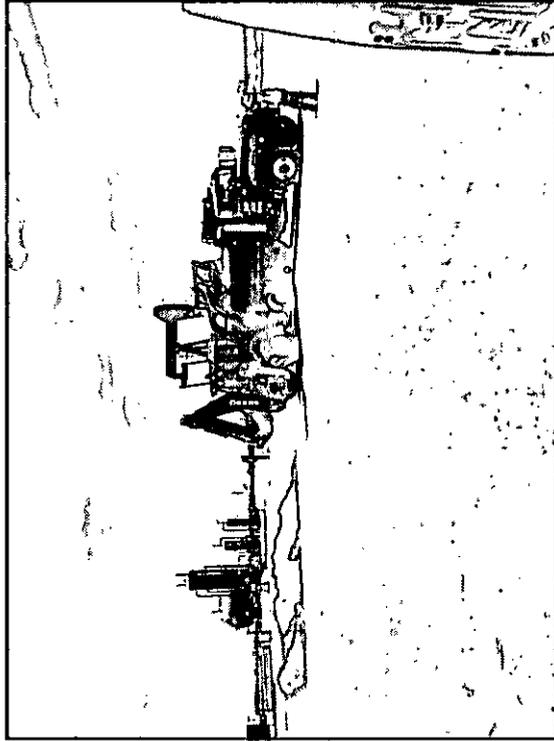
5/23/12



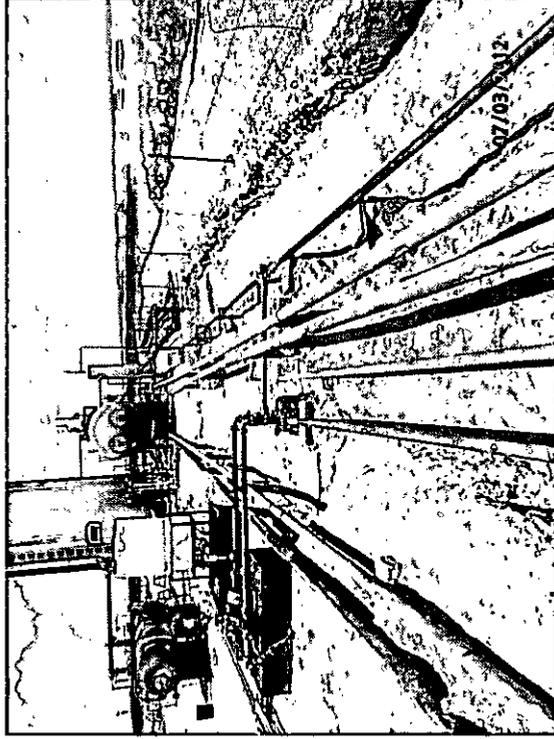
Shoveling inside the battery, facing north 6/6/12



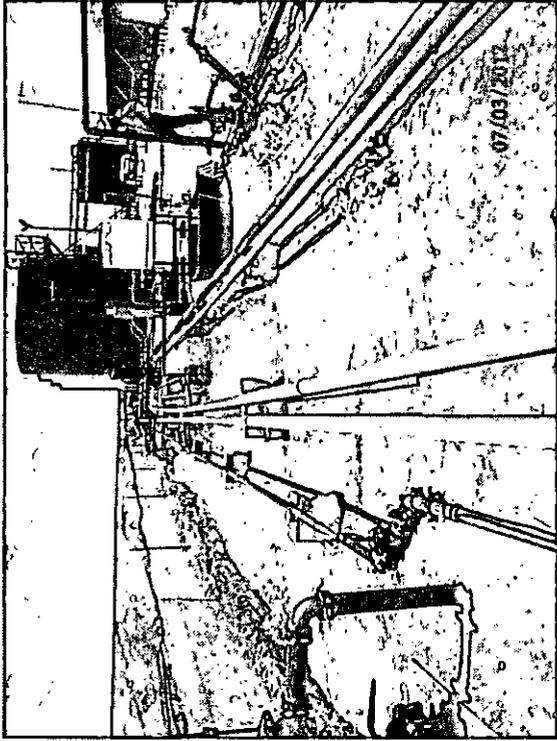
Spoil pile, facing south 6/11/12



Exporting soil, facing southeast 6/15/12

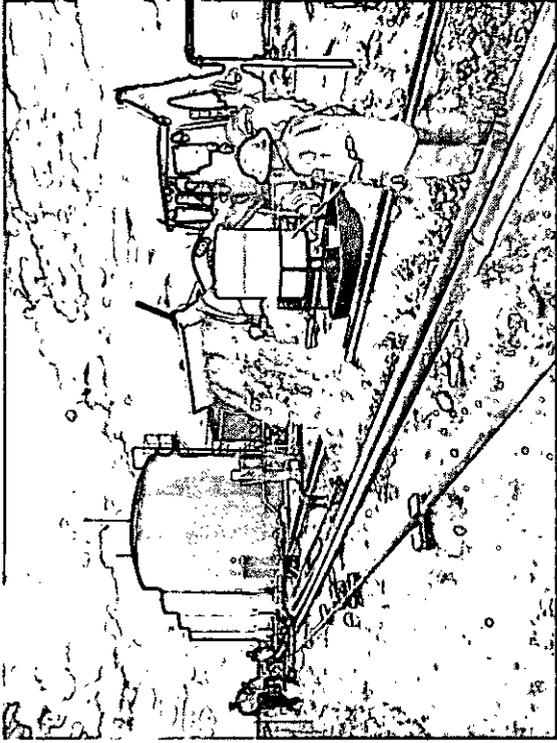


Scrape completed, facing north 7/3/12



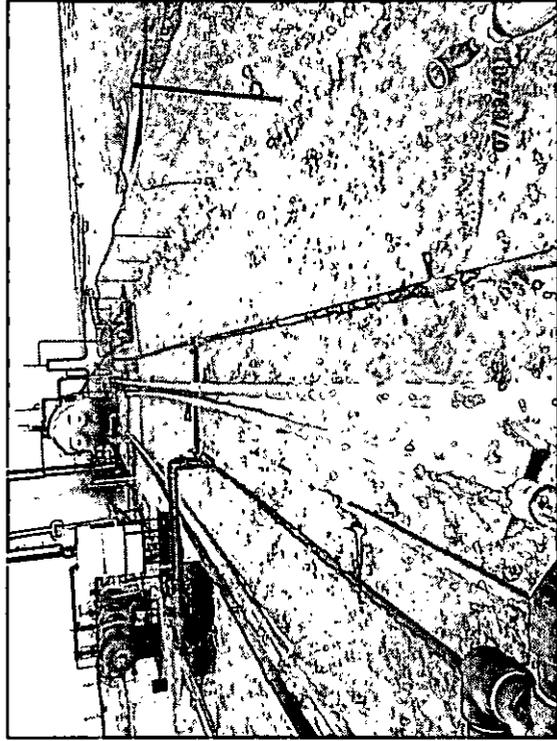
Scrape completed, facing south

7/3/12



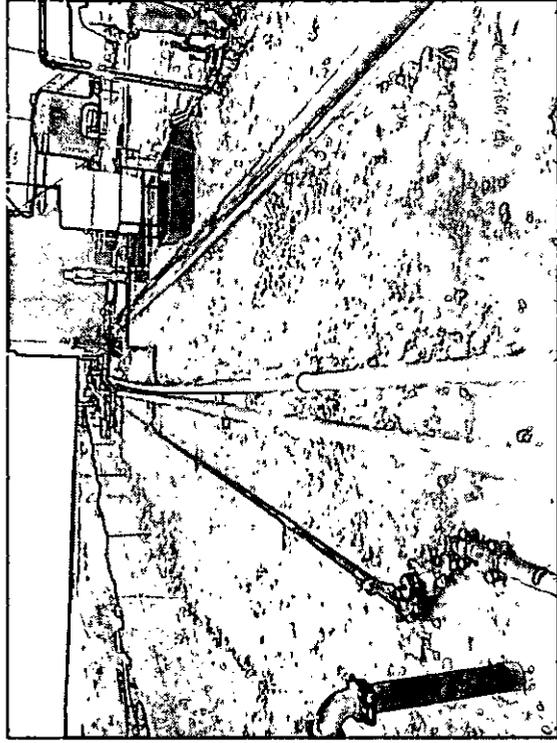
Backfilling site, facing south

7/6/12



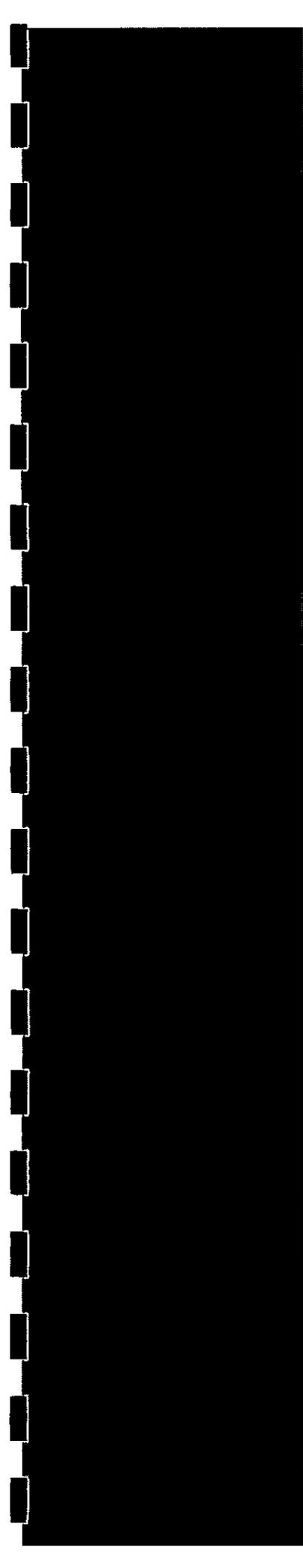
Site completed, facing north

7/9/12



Site completed, facing north

7/9/12



Appendix F

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
811 S. First St., 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

Form C-141
Revised August 8, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company Apache Corporation	Contact Bruce Baker
Address PO BOX 1849, Eunice, NM 88231	Telephone No. (575) 394-1503
Facility Name Tony Federal Battery (nearest well #1)	Facility Type Production Facility
Surface Owner BLM	Mineral Owner BLM
API No. 30-015-30244	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	18	17S	31E	1385	FSL	1410	FWL	Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 15 bbls	Volume Recovered 5 bbls
Source of Release Hole in 4" check valve	Date and Hour of Occurrence 5/23/12	Date and Hour of Discovery 5/23/12
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Amos/Bratcher	
By Whom? Natalie Gladden	Date and Hour 5/23/12	
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.*

RECEIVED
OCT 03 2013
NMOCD ARTESIA

Describe Cause of Problem and Remedial Action Taken.*
Pin hole size leak in the body of the 4" check valve on the water transfer line caused the release of 15 bbls.

Describe Area Affected and Cleanup Action Taken.* A total of 995 sq ft in the bermed facility was affected by the release. Beginning on May 23rd, 2012, RECS personnel initiated work on the Tony Federal Tank Battery. Soil samples were collected from the surface of the site and at depth. The samples were field tested for chlorides and hydrocarbons. The surface samples were submitted to a commercial laboratory for chloride and TPH analysis. The entire leak area was excavated to 2 ft below ground surface. On July 3rd, 2012, a representative 5 point composite soil sample was collected from the excavation floor. The sample was field tested for chlorides and hydrocarbons and then the sample was taken to a commercial laboratory for analysis. The sample returned a chloride result of 352 mg/kg, a GRO result of non-detect and a DRO result of 357 mg/kg. The excavated soil was taken to a NMOCD approved facility for disposal and clean soil was imported to the site to use as backfill. A sample of the imported soil was taken to a commercial laboratory for analysis and returned a chloride result of 144 mg/kg.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD 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, NMOCD 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.

OIL CONSERVATION DIVISION	
Signature: <i>Bruce Baker</i>	Approved by Environmental Specialist:
Printed Name: Bruce Baker	Approval Date: _____ Expiration Date: _____
Title: Environmental Technician	Conditions of Approval: _____ Attached <input type="checkbox"/>
E-mail Address: <i>larry.baker@apachecorp.com</i>	
Date: 10-2-13 Phone: (575) 394-1503	

Attach Additional Sheets If Necessary