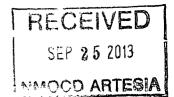
EXPLORING WHAT'S POSSIBLE



APACHE CORPORATION

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

Tony Federal Battery AD

Closure Report 2RP-1477

API 30-015-30382

Release Date: November 24, 2012

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

Jean, enclosed are Apache Termination Request Reports for various sites in your area. Mike had said he wanted the reports prior to the next meeting so that he could look them over. If you have any questions or concerns, please let me know.

Thanks!

Lara

RECS

Rice Environmental Consulting & Safety

P.O. Box 2948 Hobbs, NM 88241 Phone 575.393.2967

February 21, 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 Battery AD UL/K,N sec. 18 T17S R31E API No. 30-015-30382 2RP-1477

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 hydrocarbons associated with the Tony Federal Battery. A transmitter on the salt water disposal pumps failed causing water to be dispensed into the oil tank. Fluids from the oil tank were released within the battery facility. NMOCD was notified, and an initial form C-141 was submitted by Apache Corporation on December 26, 2012 (Appendix A). The site is located approximately 4 miles east of Loco Hills, New Mexico, in unit letter 'K' of section 18, T17S, R31E in Eddy County.

On November 26, 2012, RECS personnel initiated work at the Tony Federal Battery (Figure 1). Soil samples taken from two points at ground surface to 1.5 ft. below ground surface (bgs) were field tested for chloride. Headspace measurements were also taken in the field using a Photo Ionization Detector (PID). The surface samples were submitted to a commercial laboratory for chloride and TPH (GRO/DRO) analyses (Appendix C). The samples contained 11,600 and 7,600 mg/kg chloride, 10,300 mg/kg GRO, and 15,200 and 15,100 mg/kg DRO.

The leak area was excavated by hand to 1 ft. below ground surface (Figure 2). On December 27, 2012, a representative composite sample was collected from the excavation floor and submitted to a laboratory for chloride and TPH analyses (Appendix C). The sample contained 496 mg/kg chloride, <50 mg/kg GRO, and 560 mg/kg DRO.

Excavated soils were removed to a NMOCD approved disposal facility. The excavation was backfilled with clean caliche (128 mg/kg chloride, Appendix C), and the site was leveled. See Appendix B for photographs of field activities.

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 the number below if you have any questions or comments.

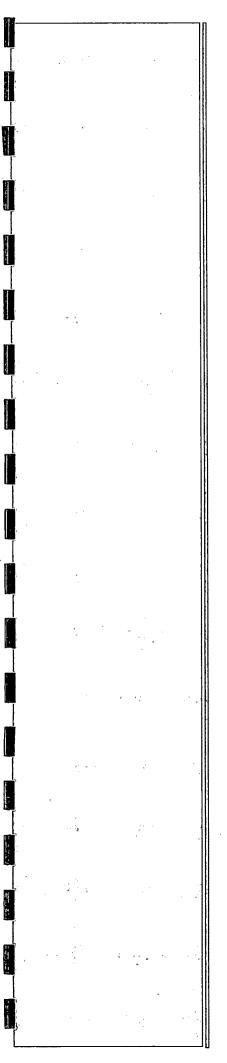
Sincerely,

Bruce Baher

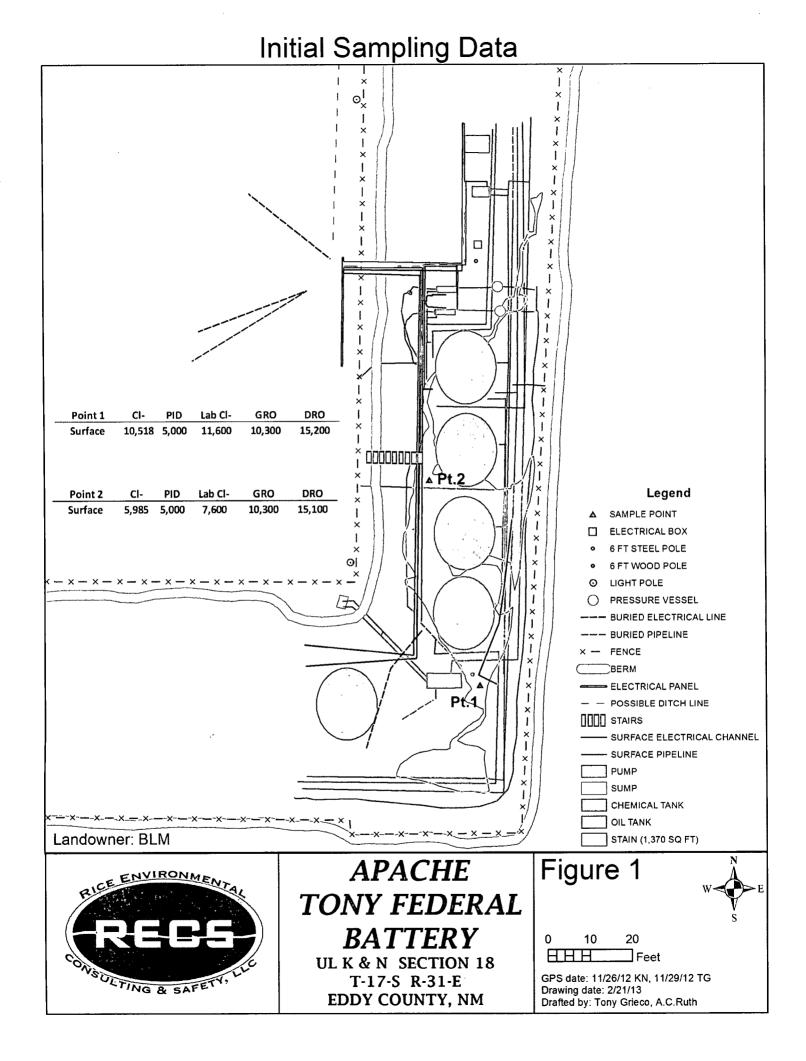
Bruce Baker Project Manager RECS (575) 631-5157

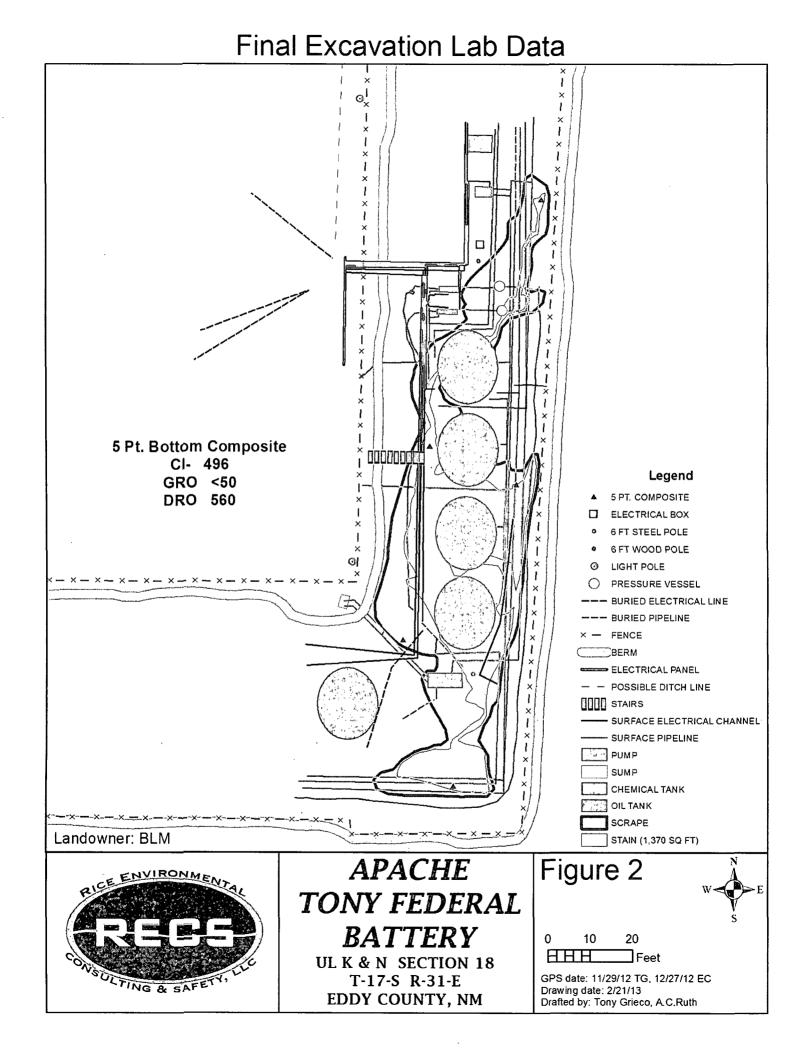
Attachments:

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



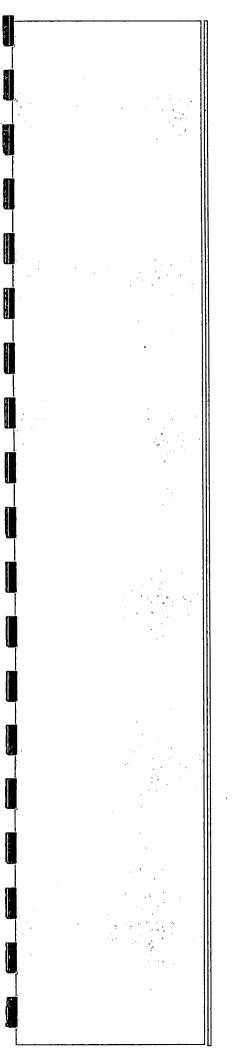


Appendix A Initial Form C-141

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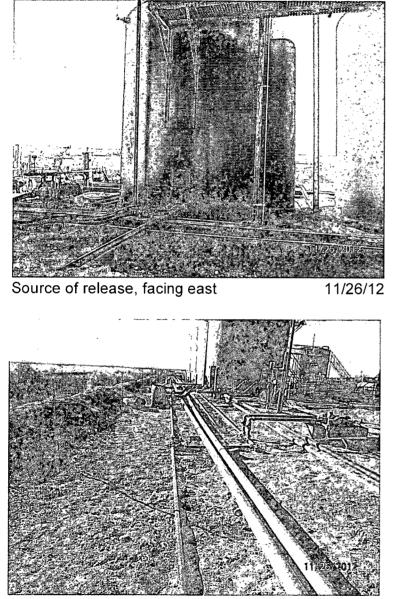
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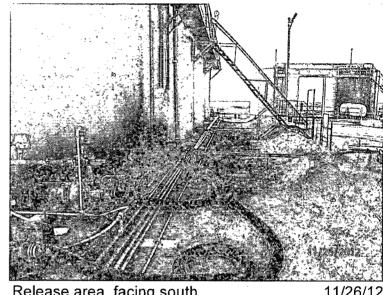
Appendix B Site Photographs

Tony Federal Tank Battery AD Unit Letter K,N, Section 18, T17S, R31E



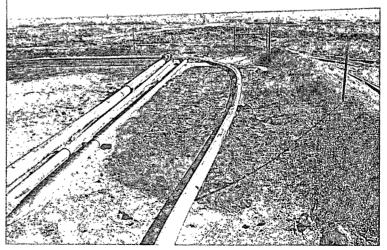
Release area, facing south

11/26/12



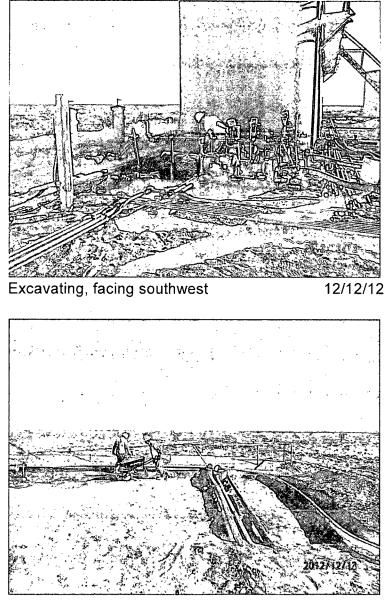
Release area, facing south

11/26/12



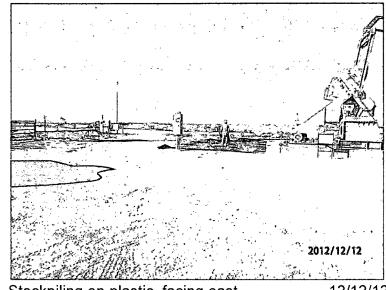
Initial release area, facing east

11/26/12



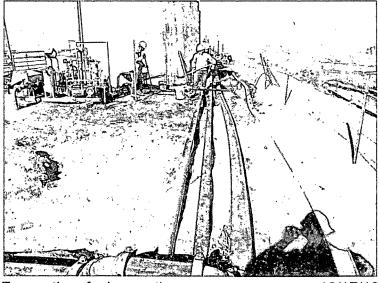
Excavating, facing east

12/13/12



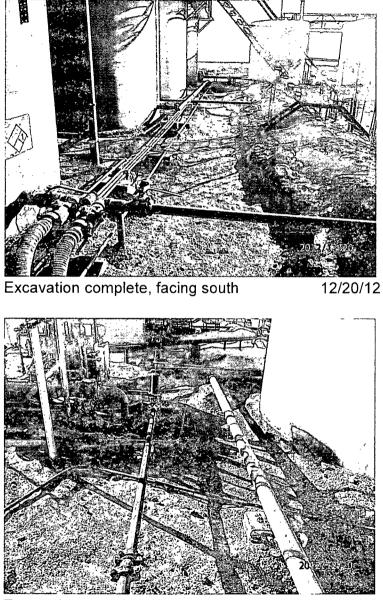
Stockpiling on plastic, facing east

12/12/12



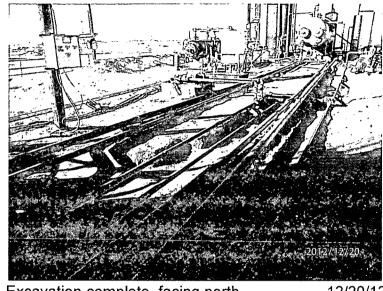
Excavating, facing north

12/17/12



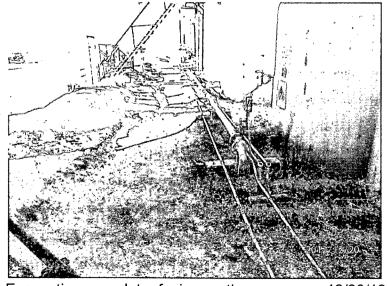
Excavation complete, facing west

12/20/12



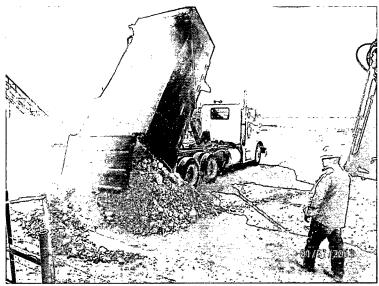
Excavation complete, facing north

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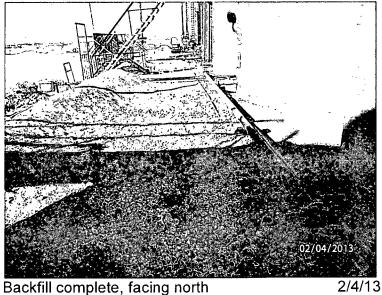
Excavation complete, facing north

12/20/12

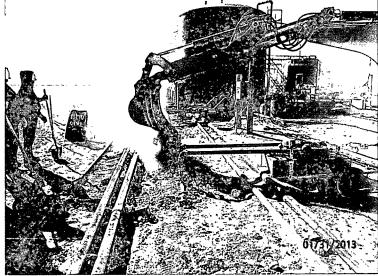


Importing backfill, facing south

1/31/13

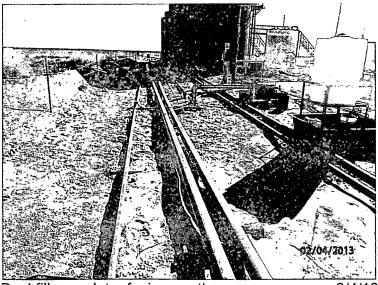


Backfill complete, facing north



Backfilling, facing south

1/31/13



Backfill complete, facing south

2/4/13

Appendix C Laboratory Results



Analytical Results For:

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

Received:	11/26/2012	Sampling Date:	11/26/2012
Reported:	11/28/2012	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. 1 @ SURFACE (H202842-01)

Chloride, SM4500CI-B	mg/	′kg	Analyze	d By: AP			•		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11600	16.0	11/28/2012	ND	416	104	400	0.00	
ТРН 8015М	mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10300	50.0	11/27/2012	ND	183	91.4	200	0.678	
DRO >C10-C28	15200	50.0	11/27/2012	ND	192	95.9	200	2.48	
Surrogate: 1-Chlorooctane	210	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	207	% 63.6-15	4						

Sample ID: PT. 2 @ SURFACE (H202842-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	11/28/2012	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10300	50.0	11/27/2012	ND	183	91.4	200	0.678	
DRO >C10-C28	15100	50.0	11/27/2012	ND	192	95.9	200	2.48	
Surrogate: 1-Chlorooctane	210	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	197	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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 SM4500CI-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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Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager

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

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Delivered By: (Circle One)	Sample Condition CHECKED BY:	Bbaker@rice-ecs.com; hconder@rice-ecs.com;
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Sampler - UPS - Bus - Other:	20 Cool Intact (Initials)	
	3°C Cool Intact (Inftitals) Dryes Pres (Inftitals)	

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

#26



January 03, 2013

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 12/27/12 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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. Keine

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:	12/27/2012	Sampling Date:	12/27/2012
Reported:	01/03/2013	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: 5 PT. COMP. (H203097-01)

Chloride, SM4500CI-B	mg,	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	12/31/2012	ND	432	108	400	11.8	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	12/31/2012	ND	187	93.5	200	0.497	
DRO >C10-C28	560	50.0	12/31/2012	ND	199	99.5	200	0.749	
Surrogate: 1-Chlorooctane	85.9	% 65.2-14	0				,		
Surrogate: 1-Chlorooctadecane	108	63.6-15	4						

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*=Accredited Analyte

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Celey D. Kune

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

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 4

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

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Lab I.D. 11203097	Sample I.D.	(G)RAB OR (C)OMP.	TAINE	GROUNDWATER	WASTEWATER	SOIL	01	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME					Complete						
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PLEASE NOTE: Liability and Damages. Cardine's liability and clents exclusive remody for any claim arising whother based in contract or tort, shall be limited to the amount paid by the clent for the consisters. All claims including those for negligence and any other cases whatsover shall be limited wined unless made in writing and vocived by Cardinat within 30 days after completion of the applicable survice. In no event shall Cardinat to flavo for incidental or consequental durages, including without imitiation, business interruptions, lass of uses of tops of positis incurred by cleant, its subsidiaries, affiliates or successory attiget on out of an affect to subsort to subsort tops becauld by Cardinat legardless of whether such claim is based upon any of the above statef vasoors or otherwise.

Relinquished By:	Date: 12-12 Received By: 1/2-12-12	Phone Result: □ Yes ☑ No Add'l Phone #: Fax Result: □ Yes ☑ No Add'l Fax #:
Elin Varian	Time: 35 (M/U MCADA	REMÁRKS:
Rélinquished By:	Date: Received By:	email results to:
	Time:	
Delivered By: (Circle One)	Sample Condition CHECKED BY:	zconder@rice-ecs.com; bbaker@rice-ecs.com;
Sampler - UPS - Bus - Other:	Cool Intact (Infijals)	hconder@rice-ecs.com; lweinheimer@rice-ecs.com

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



January 22, 2013

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 01/16/13 16:32.

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 accredited analytes.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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,

Celeg D. Keine

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:	01/16/2013	Sampling Date:	01/16/2013
Reported:	01/22/2013	Sampling Type:	Soil
Project Name:	TONY FEDERAL BATTERY AD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		
,			

Sample ID: IMPORTED SOIL (H300115-01)

Chloride, SM4500CI-B	mg _.	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/22/2013	ND	432	108	400	3.64	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Llability and Damages. Cardinal's liability and clent's exclusive remedy for any daim anising, 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 whitsoever shall be deemed waived unless made in writing and received by Cardinal within thin'y (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 incrued 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 climin is based by events.

Celeg D. Kune

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 SM4500CI-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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PLEASE NOTE: Lability 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 whitsboever 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 incurved 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 claims is asset by one stated reasons or otherwase. Results relate only to the samples identified above. This reproduced except in full with writem approval of Cardinal Laborations.

Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ADDINAL LADODATODIES

Company Name:	Apache Corp.							識脑	B	ILL TO	Clair an	1910				ANA	LYSIS	S RE	QUES
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Project Location:	Tony Fed. Batien	<u>.</u>				 	Pho	ne #	:			Chlorides	801	BTEX	່ທ	ati	DS		
Sampler Name:	Wills Trenches					ſ	Fax	_				물		ы	exas	C	E H		
FOR LAB USE ONLY Lab I.D. H320115	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER		SLUDGE		ACID/BASE: ACID/BASE:			TIMĖ,	O	HdT		Te	Complete			
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PLEASE NOTE: Lisbility and Damages. Carolinal's fability and elemits exclusive remedy for any claim origing whether based in contract or fort, shall be limited to the amount pair by two client for the PECASE NOTE: Explainly and Damingles. Landmark stooky and events exclusive remercy not any dame on based of contract or tori, main to entrice to one analyses, All claims including those for negligence and any other cause whateover chall be deemed waived unless made in writing and received by Cantinal within 30 days after completion of the applicable service. In ne event shall Cardinal he liable for incidental or consequential damages, including without initiation, histores interruptions, has a function are any other cause of the applicable service. In ne event shall Cardinal he liable for incidental or consequential damages, including without initiation, histores interruptions, has a function service and the subsidiaries infiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such chain is based upon any of the above stated reasons or otherwise.

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Relinquished By:	010100	MUNICIPATION STATISTICS	
Kennduisnea By:	Date:	Received By:	email results
	Time:		natalie.gladden@apachecorp.com
			Zconder@rice-ecs.com; Bbaker@rice-ecs.com;
Delivered By: (Circle One)		Sample Condition CHECKED BY:	
		Cool Intact (Initials)	hconder@rice-ecs.com; Lweinheimer@rice-ecs.com;
Sampler - UPS - Bus - Other:		Cool Intact (Inifials)	jkamplain@rice-ecs.com
† Cardinal cannot accept verbal c	hanges. Please	fax written changes to 505-393-2476	
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Appendix D Groundwater Study

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= Wells of unknown use (USGS)

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=Non-production wells
 (commercial. sanitation. domestic. stock)

 $\chi = Subject Site$

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Appendix E Final Form C-141

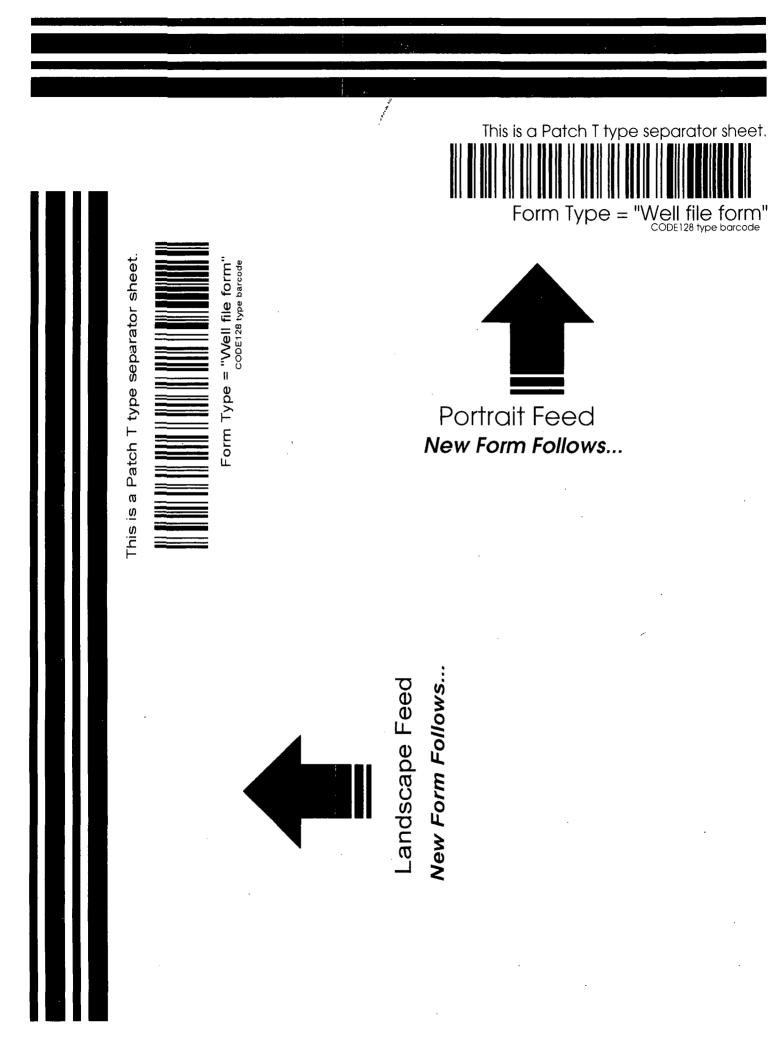
and the second
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Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

			Rele	ease Notifi	cation	and Co	orrective A	ction						
						OPERA	ſOR	🗌 Ir	itial Report 🛛 🛛 Final Repo					
Name of Co		Apache Cor					Bruce Baker							
Address PC						Telephone N								
Facility Nar	ne Tony	Federal Bat	tery (nea	rest well #1)		Facility Typ	e Production	1 Facility						
Surface Ow	ner BLM	[Mineral (Owner 2	BLM		API	No. 30-015-30382					
						OF RE	LEASE							
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/West Lir	e County					
Lot 4	18	17S	31E	990	FSL		330	FWL	Eddy					
			Lat	itude		_ Longitu	de							
				NAT	TURE	OF REL	EASE							
Type of Rele						Volume of	Release 35 bbl	s Volun	ne Recovered 30 bbls					
Source of Re	lease Wa	ter Tank					lour of Occurrence		nd Hour of Discovery					
Was Immedia	to Notico (liver?				11/24/12 If YES, To	Whom?	11/24/	12					
was mineur			Yes 🗌] No 🔲 Not R	equired	Amos/Lek								
By Whom?	Natalie Glad				•	Date and H		612 am	RECEIVED					
Was a Water							olume Impacting t							
			Yes 🛛	No					SEP 25 2013					
If a Watercou	irse was Im	pacted, Descr	ibe Fully. ¹	*		I			NMOCD ARTESIA					
		ates the SWD vered from ins			did not k	ick on which	ı high leveled the	water tank, whi	ch caused the water to go into the					
The leak affe	cted the 1,3 e composite	soil sample v	t of calich vas collec	e within the berm	vation flo	oor and sent			D approved disposal facility. A nfirmation of chloride and TPH.					
regulations a public health should their o	Il operators or the envir operations h ument. In a	are required t conment. The ave failed to a ddition, NMC	o report an acceptance dequately OCD accept	nd/or file certain ce of a C-141 rep investigate and	release no ort by the remediate	otifications a NMOCD m contamination	nd perform correc arked as "Final R on that pose a thr	ctive actions for eport" does not eat to ground w	pursuant to NMOCD rules and releases which may endanger relieve the operator of liability ater, surface water, human health or compliance with any other					
							OIL CON	SERVATIC	N DIVISION					
Signature:	Bruce	Baher												
Printed Name	e: Bruce Ba	iker				Approved by	District Supervis	or:						
Title: Enviro	nmental Te	ch				Approval Da	te:	Expirati	on Date:					
E-mail Addre	ess: larry.ba	aker@apached	orp.com		(Conditions o	f Approval:		Attached					
	$\frac{7}{6} - \frac{3}{6}$	0 - 13 ets If Necess		: (432) 631-6982										

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	1625 N. French Dr., Hobbs, NM 88240 Form C-14 District II Energy Minerals and Natural Resources														
	1301 W. Grand	Avenue, Art	esia, NM 88210)									,		
	District III 1000 Rio Brazos	s Road, Azte	c, NM 87410				vation Div 1 St. Franc				District	Office	to appropriate in accordance		
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