District I 1625 N. French Dr., Hobbs, NM 88240 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 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

HOBBS OCD

Form C-141 Revised October 10, 2003

RECEIVED

APR 3 0 2012 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

### Release Notification and Corrective Action

						<b>OPERA</b>	<b>TOR</b>		Initia	al Report	⊠ Fir	nal Report
Name of Co		Apache (				Contact	Natalie Glad					
Address '		ox 1849, Eu		1, 88231		Telephone 1						
Facility Na	ne Sta	te C Tract 1.	3 #14			Facility Typ	e Productio	n Well	<u> </u>			
Surface Ow	ner Wa	allach		Mineral C	wner	State of NN	1		Lease N	No. 30-025-3	9286	_
	<del>,</del>		<b>-</b>			N OF RE						
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/\	West Line	County		
F	36	218	37E	450	FNL		990	FWL		Lea		
			Lat	itude		Longitu	de					
				NAT	URE	OF REL	EASE					
Type of Rele	ase Prod	uced Water/O	il Mixture	<del></del>		Volume of	Release 10 bbl		Volume I	Recovered 0	bbl	
Source of Re	lease Bac	k pressure va	ve				Iour of Occurrence	e .		Hour of Disco	overy	
Was Immedi	-4- Ni-+i C	2:- 0				08/26/11 If YES, To	W/l 9		08/26/11		<u> </u>	
was immedi	ate Notice C		Yes [	No 🛛 Not Re	equired	II YES, 10	wnom?					
By Whom?						Date and F	lour					
Was a Water	course Reac		_			If YES, Vo	olume Impacting the	he Wate	ercourse.			
			Yes 🛚	] No								
If a Watercon	ırse was Im	pacted, Descr	be Fully.*	k								
									DAI	N=511		
	leak was for			n Taken.* lity of vacuum tru	cks, cali	iche was brou	ight in to dry up st	tanding			was exca	vated and
The leak affe samples were clean caliche	cted the cal collected f and contou	rom the excavered to the surr	unding th ation and ounding a	e wellhead. Impa sent to a commer- area.	cial labo	oratory for ch	loride and TPH co	onfirma	tion. The e	excavation was	s backfille	ed with
regulations a public health should their or the enviro	Il operators or the environs hoperations homent. In a	are required to ronment. The ave failed to a	o report an acceptance dequately CD accept	e is true and comp nd/or file certain rece of a C-141 report investigate and recetance of a C-141	elease n ort by the emediate	otifications a e NMOCD m e contaminati	nd perform correct larked as "Final Roton that pose a threet te the operator of r	tive act eport" o eat to gr	ions for rel does not rel round wate ibility for c	eases which n ieve the opera r, surface wate ompliance wit	nay endar tor of liaber, human th any oth	nger bility n health
Signature:		talie	$\mathcal{G}_{\mathcal{A}}$	adder			OIL CONS	SERV	4	DIVISIQI		
Printed Nam	e: Natali	e Gladden				Approved by	District Superviso	Envir	onmenta	l Specialis	t O	
Title: EH	&S Environ	mental Tech				Approval Da	te: 04/30/17	2	Expiration	Date: =		
E-mail Addre	ess: Nata	lie.gladden@	apachecor	p.com		Conditions of	f Approval:	_		Attached		
Date:	19/1	<del>-</del>		(575) 390-4186		·				IRP-06		3079
Attach Addi	uonai Snet	tis 11 Necess	ary									



## **APACHE CORPORATION**

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

## State C Tract 13 #14

## Closure Report

API 30-025-39286

Release Date: August 26, 2011

Unit Letter F, Section 36, Township 21S, Range 37E

#### Rice Environmental Consulting & Safety

P.O. Box 5630 Hobbs, NM 88241 Phone 575.393.4411 Fax 575.393.0293

#### **April 30, 2012**

Geoffrey Leking New Mexico Energy, Minerals, & Natural Resources Oil Conservation Division, Environmental Bureau – District 1 1625 N. French Dr. Hobbs, NM 88240-9273

> RE: TERMINATION REQUEST Apache – State C Tract 13 #14 AD UL/F sec. 36 T21S R37E API No. 30-025-39286

Mr. Leking:

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 and oil associated with the State C Tract 13 #14. A stuffing box leaked, releasing mixed fluids onto the well pad, and caliche was used to soak up standing fluids. An initial form C-141 was submitted by Apache Corporation on August 26, 2011 (Appendix A). The site is located east of Eunice, in unit letter 'F' of section 36, T21S, R37E in Lea County, New Mexico.

On August 26, 2011, RECS personnel initiated work on the State C Tract 13 #14. Surface soil samples were collected and field tested for chloride (Figure 1). Headspace measurements were also taken in the field using a Photo Ionization Detector (PID). The samples were submitted to a commercial laboratory for chloride and TPH (GRO/DRO) analyses. Chloride ranged from 8,600 ppm (parts per million or mg/kg) to 12,000 ppm. GRO ranged from 4,750 ppm to 10,700 ppm and DRO ranged from 11,100 ppm to 18,900 ppm.

On September 1, 2011, RECS personnel collected soil samples from the final excavation (Figure 2). Representative grab samples were collected from the excavation walls and the excavation floor, and submitted to a commercial laboratory for chloride and TPH (GRO/DRO) analyses. Chloride did not exceed 48 ppm in all samples. TPH did not exceed 15.5 ppm in all samples (Appendix C).

Impacted soils were removed from the excavation and transported to a NMOCD approved disposal facility. The excavation was backfilled with clean caliche and contoured to the surrounding area. See Appendix B for photographs of field activities.

#### Conclusion

Due to the complete removal of impacted soils, Apache submits the final C-141 (Appendix D) 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 Natalie Gladden (575) 390-4186 if you have any questions or comments.

Sincerely,

Bruce Baker Head Foreman

Bruce Bahan

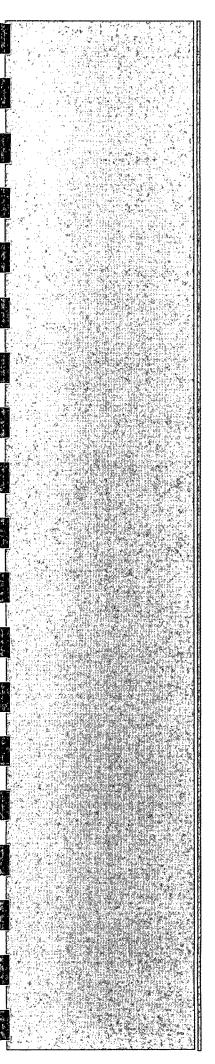
RECS

(575) 631-5157

#### Attachments:

Figure 1: Site Plat with Initial Sampling Lab Data Figure 2: Site Plat with Final Excavation Lab Data

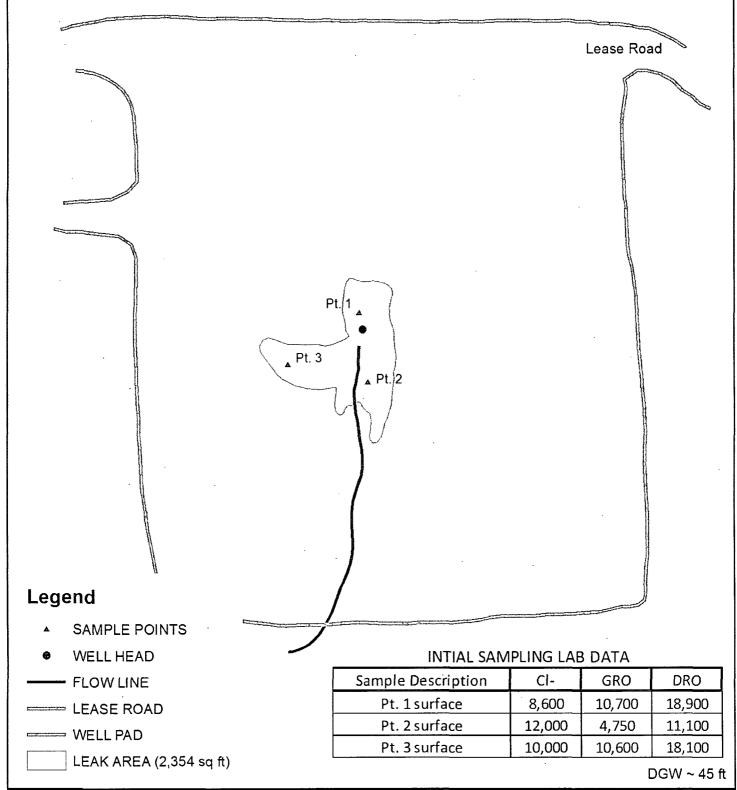
Appendix A: Initial Form C-141 Appendix B: Site Photographs Appendix C: Laboratory Results Appendix D: Final Form C-141



Figures

RICE Environmental Consulting and Safety (RECS)
P.O. Box 5630 Hobbs, NM 88241
Phone 575.393.4411 Fax 575.393.0293

## Site Plat





## Apache State C Track 13 Well 14 AD

LEGALS: UL/ C&F sec. 36 T21S R37E

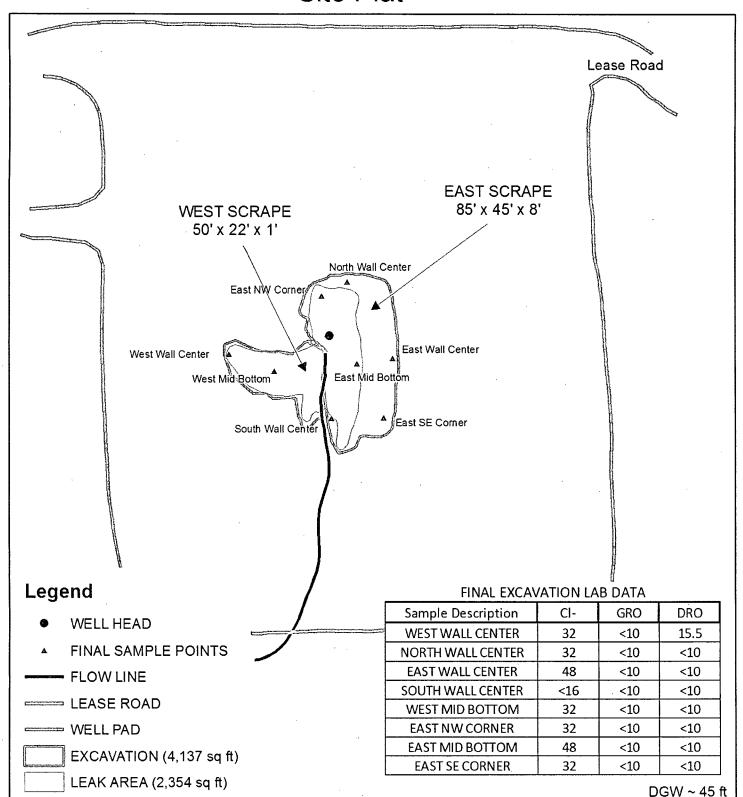
## Figure 1



0 15 30 60 Feet

Drawing date: 8/29/11 Drafted by: L. Weinheimer

### Site Plat





## Apache State C Track 13 Well 14 AD

LEGALS: UL/ C&F sec. 36 T21S R37E

## Figure 2



0 12.5 25 50

Drawing date: 8/29/11 Drafted by: L. Weinheimer



P.O. Box 5630 Hobbs, NM 88241 Phone 575.393.4411 Fax 575.393.0293 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.

			Rele	ease Notific	ation	and Co	rrective A	ction				
						<b>OPERA</b>			☑ Initia	l Report		Final Report
Name of Co							alie Gladden	0.6				
Address PC Facility Nar							lo. 575-390-41 e Production w				<del></del> ,	
							e Troduction w					
Surface Ow	ner Walla	ch		Mineral O	wner S	State of NM			API No.	. 30-025-3	39286	
					TION	OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/We	st Line	County		
F	36	218	37E	1331	FNL		1530	FWL		Lea		
			La	titude		Longitud	e					
				NAT	URE	OF RELI	EASE					
Type of Rele	ase Produc	ed water/Oil	Mixture	1111	CITE		Release 10		Volume R	lecovered (	)	
Source of Re	lease Stuff	ing Box Leak				1	our of Occurrence			Hour of Dis	covery	
Was Immedia	te Notice (	Given?				08/26/11 If YES, To	Whom?	S	same			
			Yes [	] No 🛛 Not Re	quired							
By Whom?						Date and I-						
Was a Water	course Read		Yes 🗵	l No		If YES, Vo	lume Impacting	the Watero	course.			
If a Watercou												
Describe Cau Stuffing box hauled to Sur	leak was fo	und. Due una		n Taken.* v of vacuum trucks	s, calich	e was brough	t in to dry up star	nding fluid	l's then th	at material	was exc	cavated and
Describe Are Contamination	a Affected	and Cleanup A				· · · · · ·						
regulations al public health should their or or the environ	I operators or the envi operations h nment. In a	are required to ronment. The nave failed to	o report ar acceptant adequately OCD accep	is true and comp ad/or file certain ruce of a C-141 report investigate and ruce of a C-141	elease no ort by the emediate	otifications as NMOCD m contaminati	nd perform correct arked as "Final R on that pose a thr	ctive action teport" doc reat to grou	ns for rele es not reli und water	eases which eve the opc ; surface wa	may er rator of ater, hu	ndanger liability man health
Signature:	$\bigcirc$ a	blu	Gr	ladder			OIL CON	SERVA	<u>ATION</u>	DIVISIO	<u> </u>	
Printed Name	( :: Natalie (	Gladden				Approved by	Environmental S	pecialist:				
Title: EHS E	nvironmen	tal Tech				Approval Da	e:	Ex	epiration l	Date:		
E-mail Addro	ss: natalie.	gladden@apa	checorp.co	om		Conditions of	Approval:			Attached		
Data: 8/26	111	Phone: 575	300-4186		1					.]		

<sup>\*</sup> Attach Additional Sheets If Necessary

Appendix B
Site Photographs

RICE Environmental Consulting and Safety (RECS)
P.O. Box 5630 Hobbs, NM 88241

Phone 575.393.4411 Fax 575.393.0293

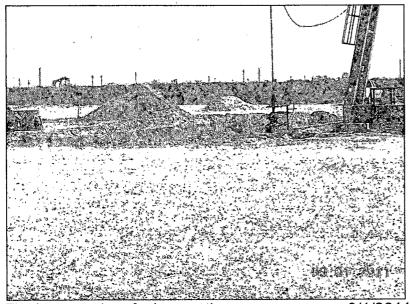
## State C Tract 13 #4

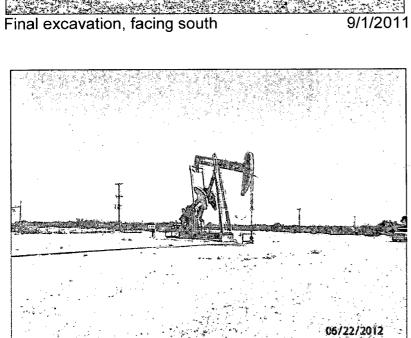
Unit Letter F, Section 36, T21S R37E

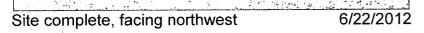


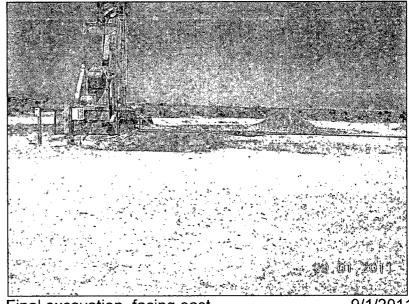
08. 30. 2011
Exporting soil, facing north

8/30/2011

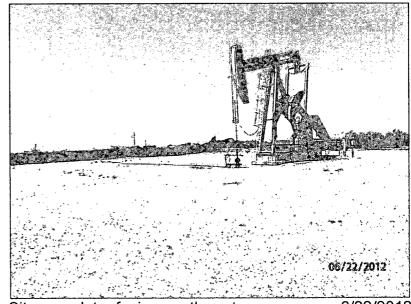






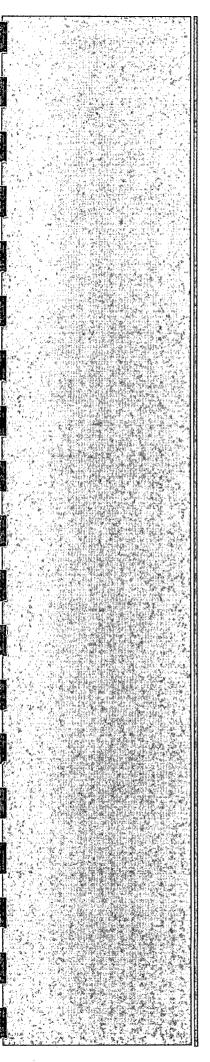


Final excavation, facing east 9/1/2011



Site complete, facing southwest

6/22/2012



# Appendix C Laboratory Results

RICE Environmental Consulting and Safety (RECS)
P.O. Box 5630 Hobbs, NM 88241
Phone 575.393.4411 Fax 575.393.0293



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

Received: Reported:

09/01/2011

09/07/2011

09/07/2011 STATE C TRACT 13 WELL #014

Project Name: Project Number:

Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: Sampling Type:

177

08/26/2011 Soil

200

Sampling Type.
Sampling Condition:

88.3

Cool & Intact

Sample Received By:

Jodi Henson

0.760

#### Sample ID: SP 1 @ SURFACE (H101860-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8600	16.0	09/02/2011	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: ab					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10700	100	09/04/2011	ND	174	87.2	200	0.657	

ND

09/04/2011

Surrogate: 1-Chlorooctane

DRO >C10-C28

225 %

18900

55.5-154

100

Surrogate: 1-Chlorooctadecane

89.5 %

57.6-158

#### Sample ID: SP 2 @ SURFACE (H101860-02)

Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	09/02/2011	ND	416	104	400	7.41	
TPH 8015M	mg,	kg	Analyze	d By: ab					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4750	100	09/04/2011	ND	174	87.2	200	0.657	
			09/04/2011	ND	177	88.3	200	0.760	

Surrogate: 1-Chlorooctane 180 % 55.5-154
Surrogate: 1-Chlorooctadecane 94.1 % 57.6-158

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and cleant's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by clent for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 5



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

Received:

09/01/2011

Sampling Date:

08/26/2011

Reported:

09/07/2011

Sampling Type:

Soil

Project Name:

STATE C TRACT 13 WELL #014

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

**NOT GIVEN** 

#### Sample ID: SP 3 @ SURFACE (H101860-03)

Reporting Limit	Analyzed 09/02/2011	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
16.0	09/02/2011	NID					
		ND	416	104	400	7.41	
/kg	Analyze	d By: ab					S-06
Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
100	09/06/2011	ND	174	87.2	200	0.657	
100	09/06/2011	ND	177	88.3	200	0.760	
	Reporting Limit	Reporting Limit Analyzed 100 09/06/2011	Reporting Limit Analyzed Method Blank 100 09/06/2011 ND	Reporting Limit Analyzed Method Blank BS 100 09/06/2011 ND 174	Reporting Limit Analyzed Method Blank BS % Recovery 100 09/06/2011 ND 174 87.2	Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 100 09/06/2011 ND 174 87.2 200	Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 100 09/06/2011 ND 174 87.2 200 0.657

Surrogate: 1-Chlorooctane 230 % 55.5-154 Surrogate: 1-Chlorooctadecane 92.7% 57.6-158

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 whatspewer 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 subclidaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal laboratories.

Celey D. Keine Celey D. Keene, Lab Director/Quality Manager

Page 3 of 5



Apache Corp.

Company Name:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

#### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

natalie.gladden@apachecorp.com

Zconder@rice-ecs.com; Bbaker@rice-ecs.com;

hconder@rice-ecs.com; Lweinheimer@rice-ecs.com

ANALYSIS REQUEST

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

Project Manage	r: Natalie Gladden							- /	P, O.	. #:						ļ							i i		1 1
Address:								ď	Con	npan	y:							S						į l	
City:		State:	Zip	):					Attr	1:								Cations/Anions							
Phone #:		Fax #:						1	Add	Iress	:			1		ŀ		Ĭ.Ē							
Project #:		Project Owne	r:						City	':					≥		_	\\(\s\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\							
Project Name:	State C Trac	t 13 W	9)j :	#-1	14			-	Stat	te:		Zip:		es	5		ТРН	Ë							
Project Locatio	n: Franide	N/M						j	Pho	ne #	:			흥	801	<u>û</u>	[ C	] };	SC					1	
Sampler Name:		7						ı	Fax	#:				Chlorides		BTEX	exas	ပြိ	TD						
FOR LAB USE ONLY	)	<u> </u>	Ι.	T		MA	TRIX			PRES	ERV	SAMPL	ING	じ	PH	_	[ @ ]	क							
<b>Lab</b> I.D. HID1860	Sample I.	D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER SOIL	OIL.	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME	7	<del>   </del>			Complete							
- 1	SPI @ Surta	ae	4	i		1.7			$\exists$	V	/1	<i>इ.ज.म</i>	1000	<i>√</i>	W.										
2	SPZ @ Surf	કેલ્પ્ટ	G	1									1005	1	1										
.3	383 @ Surf	ک مع <u>ن ۴</u>	Ġ	j		V	1_	- !		J		8-26-11				<u></u>									
			┖	_			<u> </u>	L.	_	<u> </u>												<u> </u>		<u></u>	
			_	L					_	_ļ_	<u> </u>					<u> </u>					<u> </u>	ļ			
			4_	1_	_	_ _		<u> </u>	4	<del></del>	-				ļ	ļ		ļ		ļ		ļ	<u> </u>		
			-	╀	<u> </u>	_ _	1		4	- -	_		!			<del> </del>					<u> </u>	ļ	ļ	<u> </u>	
		····	╁	╀			-	1	4	!	-		1			ļ						<del> </del>			
			╁	╂			!	$\vdash$	$\dashv$	+	╁					<u> </u>				<u> </u>	<del> </del>	<del></del>	-	<sup> </sup>	
analyses. Af claims includ service, in no event shall C affiliates or successors aris	nd Damages. Cardinal's liability and clik ing those for negligence and any other of Cardinal be liable for incidental or conse ing out of or related to the performance	rause whatsoever shall be quental damages, includir of services hereunder by	deeme ig with the Cardina	ed waiv ut limit: d. rega:	d unle tion, p dess c	ss made i usiness in I whether	n write terrupt	ig and r ions, los	receive ss of L	ed by Ca ise, or lo	irdinal v iss of p	within 30 days aft rofits incurred by	er completion of the ollent, its subsidia asons or otherwis	ne applicat irles ie.		J	l		L	I	<u></u>	<u></u>		!	
Relinquished B	<u>ν</u> :	Date:	Re	cei	/ed	By:							Phone Re Fax Resul	t:	□ Ye			Add'i	Phone :	#:					
. ^		Time:				_							REMARKS	S:											
Relinquished B	y;	Date:	Re	cei	ed l	Зу:		.1					email	resu	ılts										

BILL TO

#26

CHECKED BY:

(Irritials)

Sample Condition
Cool Intact

Yes Yes
No No

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



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

Received:

09/02/2011

Reported: Project Name: 09/07/2011

STATE C TRACT 13 WELL #014

Project Number: Project Location:

NONE GIVEN

Sampling Date:

09/01/2011

Sampling Type:

Soil Cool & Intact

Sampling Condition: Sample Received By:

Jodi Henson

#### Sample ID: WEST WALL CENTER (H101872-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/06/2011	ND	400	100	400	7.69	
ТРН 8015М	mg	/kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/06/2011	ND	160	79.9	200	0.555	
DRO >C10-C28	15.5	10.0	09/06/2011	ND	157	78.3	200	2.57	
Surrogate: 1-Chlorooctane	113	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	113	% 57.6-15	8						

#### Sample ID: NORTH WALL CENTER (H101872-02)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/06/2011	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/07/2011	ND	160	79.9	200	0.555	
DRO >C10-C28	<10.0	10.0	09/07/2011	ND	157	78.3	200	2.57	
Surrogate: 1-Chlorooctane	111	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	113 :	% 57.6-15	8						

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 subclidaries, 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.

Celeg & Keene



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

Received:

09/02/2011

Reported:

09/07/2011

Project Name:

STATE C TRACT 13 WELL #014

Project Number: Project Location: NONE GIVEN NOT GIVEN

Sampling Date:

09/01/2011

Sampling Type:

Soil

Sampling Condition:

Cool & Intact Jodi Henson

Sample Received By:

Sample ID: EAST WALL CENTER (H101872-03)

Chloride, SM4500CI-B

Chloride, SM4500Cl-B	mg,	/кд	Anaiyze	а ву: нм					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/06/2011	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/07/2011	ND	160	79.9	200.	0.555	
DRO >C10-C28	<10.0	10.0	09/07/2011	ND	157	78.3	200	2.57	

Surrogate: 1-Chlorooctane

108 %

55.5-154

Surrogate: 1-Chlorooctadecane

110%

112%

57.6-158

57.6-158

#### Sample ID: SOUTH WALL CENTER (H101872-04)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/06/2011	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/07/2011	ND	160	79.9	200	0.555	
DRO >C10-C28	<10.0	10.0	09/07/2011	ND	157	78.3	200	2.57	

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clients' 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, dry other datase Windspecter Shall be destricted water winds and an expected of the services because it winds and including, without limitation, business interruptions, loss of profits included 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.

Celeg D. Keene



APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 **EUNICE NM, 88231** 394-2425

Fax To:

Received: Reported: 09/02/2011

09/07/2011

Project Name:

STATE C TRACT 13 WELL #014

Project Number: Project Location:

Surrogate: 1-Chlorooctadecane

NOT GIVEN

102 %

57.6-158

NONE GIVEN

Sampling Date: Sampling Type: 09/01/2011

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

#### Sample ID: WEST MID BOTTOM (H101872-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/06/2011	ND	400	100	400	7.69	
TPH 8015M	mg.	/kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/07/2011	ND	160	79.9	200	0.555	
DRO >C10-C28	<10.0	10.0	09/07/2011	ND	157	78.3	200	2.57	
Surrogate: 1-Chlorooctane	102	% 55.5-15	4				_		

#### Sample ID: EAST N.W. CORNER (H101872-06)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/06/2011	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/07/2011	ND	160	79.9	200	0.555	
DRO >C10-C28	<10.0	10.0	09/07/2011	ND	157	78.3	200	2.57	
Surrogate: 1-Chlorooctane	105 9	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	108 9	% 57.6-15	8						

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 use, or loss of use, or loss of use, or loss of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



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

Received: Reported: 09/02/2011

09/07/2011

108 %

57.6-158

STATE C TRACT 13 WELL #014

Project Name: Project Number:

Surrogate: I-Chlorooctadecane

Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date:

08/31/2011

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

#### Sample ID: EAST MID BOTTOM (H101872-07)

mg/kg		Analyzed By: HM						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
48.0	16.0 09/06/2011		ND 400		100	400	7.69	
mg/kg		Analyzed By: ab				,		
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	09/07/2011	ND	160	79.9	200	0.555	
<10.0	10.0	09/07/2011	ND	157	78.3	200	2.57	
106	% 55.5-15	4						,
	Result  48.0  mg,  Result  <10.0  <10.0	Result         Reporting Limit           48.0         16.0           mg/kg           Result         Reporting Limit           <10.0	Result         Reporting Limit         Analyzed           48.0         16.0         09/06/2011           mg/kg         Analyze           Result         Reporting Limit         Analyzed           <10.0	Result         Reporting Limit         Analyzed         Method Blank           48.0         16.0         09/06/2011         ND           mg/kg         Analyzed By: ab           Result         Reporting Limit         Analyzed         Method Blank           <10.0	Result         Reporting Limit         Analyzed         Method Blank         BS           48.0         16.0         09/06/2011         ND         400           mg/kg         Analyzed By: ab           Result         Reporting Limit         Analyzed         Method Blank         BS           <10.0	Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery           48.0         16.0         09/06/2011         ND         400         100           mg/kg         Analyzed By: ab           Result         Reporting Limit         Analyzed Method Blank         BS         % Recovery           <10.0	Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC           48.0         16.0         09/06/2011         ND         400         100         400           mg/kg         Analyzed By: ab           Result         Reporting Limit         Analyzed By: ab           Result         Reporting Limit         Analyzed Method Blank         BS         % Recovery         True Value QC           <10.0	Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           48.0         16.0         09/06/2011         ND         400         100         400         7.69           mg/kg         Analyzed By: ab           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           <10.0

Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/06/2011	ND	400	100	400	7.69	
TPH 8015M	mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/07/2011	ND	160	79.9	200	0.555	
DRO >C10-C28	<10.0	10.0	09/07/2011	ND	157	78.3	200	2.57	
Surrogate: 1-Chlorooctane	107	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane 109 %		% 57.6-15	8						

#### 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 detented waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

· \$3.4	ROMO - I LONG DE SE LONG DE MESTE I. Plante Rése (1948), Flather, Mike (1851) 1973 (1945) (1851)	PAR PETE ENGREPHEN		er young	C. J. A. A.	lagge a chiere fo	all T. J. a. G. gin n. Si.		क अहे,बर २८%	
Carengeany Nistano. Presponti Mentanany	Apache 12+1e Gladen		P. C. S.				8.446 72	TO SAME ASSESSMENT		
Address:			t entreprises							
Page Violates	Obster NM	ર્વાંયું)	Alen.							19
Mann #:	February (fil		Address							100
Profesit #:	Project enave	r:	taliy:							
ि इंडपुंजार्थ स्थितकारः		•	Lekeler:	$x'(\mathbf{i}y)$		3				4
Product Louistines 5	State C Tract 13 ,	4014	Phone &			VO				
Fallereya only Pilogenera.			F 18 4	dr.		22				#
POR LABOUR OBLY		MA CLEA	शिक्षाः अगराः विकास	VI GARRA	. AMG	200				1
		1818	20		•	28 7				i
Alexander Paris	Chapting plants, B. 18 B.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	હ			147				
11.0	"	2000	786			917			7 10 10 10 10 10 10 10 10 10 10 10 10 10	1100
H101872				9/A //	i Mil.					ļ.
1 W	est Wall Cutr	9''	1	9-1-11	11:10	1/1				
2 No	with Wall Catr with Wall Catr	91		8-31-11	1:05	V/ /				ļ
3 E	xot wall Catr	19 1/2		9-1-11	9:20	V/ V				1
	ulh Wall Critic	9 1		9-1-11	1.35	1/1/			1	1
- 13-	est mid BLAM	9 11 /	V	9-1-11	11:40	1/1/		The same of the sa		d H
	st N.W. Corner	9		0.31.11	1.20					i i
	st Mid BHAM		V	8-31-11						h
0 000	* S.E. Corner	9 1 4		9-1-11	1:45	VY				
				1						
in the Europe House Transportation of	goe Carebra's infully and comb, on come tomotherin	. B H B. ang cala amba abeliar baagbir ama	ի ռեմատուայն ներա դե		ati by Har r akid na	H T F	1 1 1	1 1	, , , ,	::

inary. In course, we reliably there on management and any other cause violationed on the thresholds, and to consider the Cardina willing after any color services. In this case, we also recovered to the consideration of the consideration of

fite hours her fr	Matter a 1/2 Management to y	Pleane Room to   LT Year   Pa Me   Ashir Pleane Co
11. 106. 1 -	9-2.11	Franciscon C. Vic. 19 No. Joseph Con (f)
I WILLIAM	330- (-)	ASERGARICO,
13 th the second second	15 Jan 11 Dageiyest Squ	· · · · · · · · · · · · · · · · · · ·
	TISIII - And Maria	
100	"5:35 (1) (1) MUNUAU.	
And income of the section of the b	Sample Condition Cities (St.)	ंदरमानीहरू(स्पृतिकार भागासामा है जी जीर प्रतिमेतिका अस्तास वास्
įį.	Yes Comment of the State of the	transconcernition in the history of the contract of the contra
Suitesta on 1885 Figure + Missort	- 4° 17 miles	
il	1 1001 1 100	

i Cardin, campat accept vertes charges is some to vritten charges to 505 tos 200.

## Appendix D Final Form C-141

P.O. Box 5630 Hobbs, NM 88241 Phone 575.393.4411 Fax 575.393.0293 <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 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

HOBBS OCD

Form C-141 Revised October 10, 2003

APR 3 0 2012 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

RECEIVED

#### **Release Notification and Corrective Action**

			OPERATOR ☐ Initial Report ☐ Final Report											
Name of Company Apache Corp.						Contact Natalie Gladden								
Address P.O. Box 1849, Eunice, NM, 88231						Telephone No. (575) 390-4186								
Facility Name State C Tract 13 #14						Facility Type Production Well								
Surface Ow	Surface Owner Wallach Mineral Owner						<u> </u>		Lease N	No. 30-025-	39286			
LOCATION OF RELEASE														
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	South Line   Feet from the		West Line	County				
F	36	218	37E	450	FNL		990	FWL		Lea				
LatitudeLongitude														
				NAT	URE	OF RELI	EASE							
Type of Rele		uced Water/C		;	-	Volume of Release 10 bbl Volume Recovered 0 bbl								
Source of Re	lease Bac	ck pressure va	lve			Date and F 08/26/11	lour of Occurrenc	e	Date and 08/26/11	Hour of Disc	covery			
Was Immedia	ate Notice C		Yes [	No 🛛 Not Re	eauired	If YES, To	Whom?							
By Whom?				<del></del>	<u>.</u>	Date and F	lour							
Was a Water	course Reac	hed?					lume Impacting t	he Wate	ercourse.					
			Yes 🛚	No										
If a Watercou	irse was Im	pacted, Descr	ibe Fully.*											
									DT	N=51	1			
Describe Cau Stuffing box hauled to Sur	leak was for	und. Due to t			cks, cali	che was brou	ght in to dry up s	tanding	fluids then	that materia	l was ex	xcavated a	ınd	
samples were clean caliche	cted the cal collected fi and contou	iche pad surro rom the excav red to the surr	ounding the vation and counding a	e wellhead. Impa sent to a commer rea.	cial labo	ratory for chl	ved to a NMOCD oride and TPH co	onfirmat	tion. The e	xcavation wa	as back	filled with	1	
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:	$-\omega$	Halu (	JU	adden		THE FEBRUARY								
Printed Name	: Natalie	e Gladden			1	Approved by District Supervisonmental Specialist								
Title: EH&	&S Environ	mental Tech				Approval Dat	e: 04 30 17	۷_	Expiration	Date: -				
E-mail Addre	ss: Nata	lie.gladden@a	apachecor	o.com		Conditions of Approval:  Attached								
Date:		<u> </u>		(575) 390-4186						IRP-01		- 3079	٦_	
* Attach Addit	ional Shee	ts If Necess	ary											