<u>District 1</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 1000 Rio Brazos Road, Aztec, NM 87410

State of New Mexico Energy Minerals and Natural Resources

> On Conservation Division 1220 South St. Francis Dr.

HOBBS OCD

Form C-14 Revised August 8, 20

DEC 0 6 2013

NSA DIY 19753775

accordance with 19.15.29 NMA

	District IV 1220 S. St. Fran	icis Dr., Sant	ta Fe, NM 8750			st. France, NM 875		R	RECEIVED							
				Rel	ease Notifi	cation	and Co	orrective A	ctio	n						
	Address 8	Ellison La	spache Corpo ane, Eunice l		31	·	OPERATOR   Initial Report   Separation   Initial Report   Initial Report									
17.1	Facility Nat	me EBDI	U #82			Facility Typ	e Oil Well									
	Surface Ow	mer NB B	Bunin Proper	ties	Mineral (	Owner				API No	. 30-025-395	568				
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	By Whom? Was a Watero	course Read		Yes ⊠	) No		Date and Hour  If YES, Volume Impacting the Watercourse.									
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	regulations all public health of should their o	l operators : or the envir perations ha ment. In ac	are required to conment. The ave failed to a ddition, NMC	o report an acceptanc idequately iCD accep	is true and comp ad/or file certain r e of a C-141 repo investigate and r tance of a C-141	elease no ort by the emediate	otifications at NMOCD ma contaminati	nd perform correct arked as "Final Roon that pose a three	tive act eport" c eat to g	ions for rele loes not relic round water.	ases which ma eve the operate , surface water	ay end or of li , hum	anger ability an health			
	Signature: Bruce Baker						OIL CONSERVATION DIVISION  Specialist Specialist									
	Title: Environ							c: 12 06 1		Expiration I						
	E-mail Addres			orp.com			Conditions of	•		1	Attached [	7				
A Company	Dato.	1-8-1			(432) 631-698;	2					IRP-11		-2991			
	Attach Additi	and Chan	to IF Mecaces	arv												



HOBBS OCD

DEC 0 6 2013

RECEIVED

### **APACHE CORPORATION**

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

EBDU #82 1RP-11-13-2991

## Termination Request

Environmental Specialist
NMOCO-DIST |
12/06/13

API No. 30-025-39568

Release Date: October 11<sup>th</sup>, 2013

Unit Letter C, Section 13, Township 21S, Range 37E

#### Rice Environmental Consulting & Safety

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

#### December 5<sup>th</sup>, 2013

#### **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 Corporation – EBDU #82 (1RP-11-13-2991) UL/C sec. 13 T21S R37E API No. 30-025-39568

Mr. Leking:

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

#### **Background and Previous Work**

The site is located approximately 4 miles northeast of Eunice, New Mexico at UL/C sec. 13 T21S R37E. NM OSE and BLM records indicate that groundwater will likely be encountered at a depth of approximately 53 +/- feet.

On October 11<sup>th</sup>, 2013, a release occurred from the stuffing box, releasing 13 barrels of oil and produced water. A vacuum truck was called to the site, which recovered 5 barrels. The release affected 8,067 square feet of lease pad and 635 square feet in the pasture. Apache signed the initial C-141 on October 15<sup>th</sup>, 2013 and submitted the initial C-141 to NMOCD (Appendix A).

RECS personnel were on site beginning on October 11<sup>th</sup>, 2013 to assess the release. Three points were sampled from the surface of the release and field tested for chlorides and for organic vapors using a PID meter (Figure 1). The site was the scraped down six inches and a total of 144 yards of scraped soil was taken to a NMOCD approved facility for disposal. A 5 point bottom composite from the base of the scrape at six inches was taken to a commercial laboratory for analysis (Figure 2). The laboratory chloride reading returned a result of 128 mg/kg, a Gasoline Range Organics (GRO) returned a result of non-detect and the Diesel Range Organics (DRO) returned a result of 14.4 mg/kg (Appendix B).

Apache met with NMOCD on October 31<sup>st</sup>, 2013 and NMOCD approved the site to be backfilled. 180 yards of clean caliche and 16 yards of clean blow sand were imported to the site to serve as backfill. The lease pad was backfilled with the caliche and the pasture with the blow sand. The site was then contoured to the surrounding location.

Photo documentation of these activities can be found in Appendix C.

Given that the contaminated soil was removed from the site and replaced with clean, imported soil, Apache request 'remediation termination' and site closure. A final C-141 will be found in Appendix D.

RECS appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 393-2967 or me if you have any questions or wish to discuss the site.

Sincerely,

Lara Weinheimer

Project Scientist

**RECS** 

(575) 441-0431

#### Attachments:

Figure 1 – Initial Sampling Data

Figure 2 – Scrape Data

Appendix A – Initial C-141

Appendix B – Laboratory Analysis

Appendix C – Photo Documentation

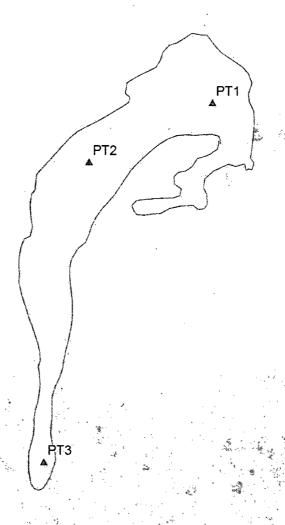
Appendix D – Final C-141



## **Initial Sampling Data**



	CI-	PID
Point 1 Surface	1169	1156
Point 2 Surface	643	1117
Point 3 Surface	598	1221



### Legend

Landowner: NB Bunin Properties

DGW: 53 ft

▲ SAMPLE POINTS

STAIN (8,067 sq ft; 635 sq ft in the pasture)

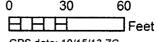


## APACHE EBDU #82 1RP-11-13-2991

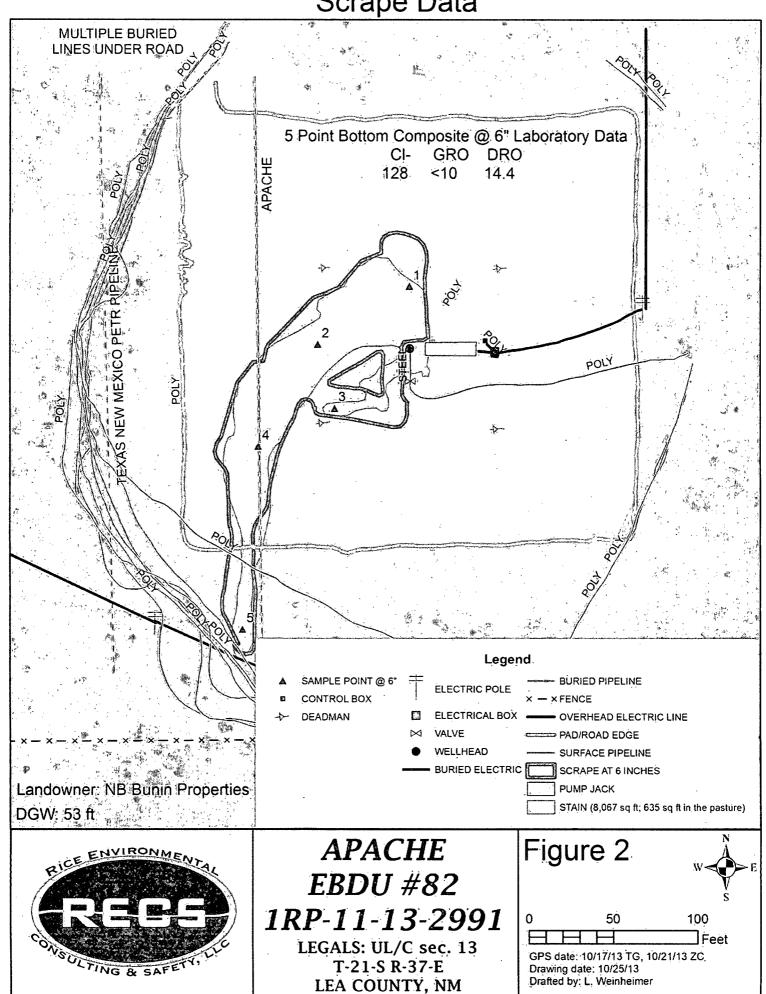
LEGALS: UL/C sec. 13 T-21-S R-37-E LEA COUNTY, NM

## Figure 1





GPS date: 10/15/13 ZC Drawing date: 10/15/13 Drafted by: L. Weinheimer Scrape Data



Appendix A
Initial C-141

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, Aztee, 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
bmit 1 Copy to appropriate District Office in

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	eatio	n and Co	orrective A	ction							
_						OPERATOR									
		pache Corpo				Contact Bruce Baker									
		ne Eunice, N	M 88231			Telephone No. (432) 631-6982									
Facility Nat	me EBDU	# 82				Facility Typ	be Oil Well								
Surface Ow	ner NBB	unin Propert	ies	Mineral C	)wner			APIN	lo. 30-025-:	39568					
				LOCA	N OF RE	LEASE									
Unit Letter C	Section 13	Township 21S	Range 37E	Feet from the 1090'	North FNL	/South Line	Feet from the 1500'	East/West Line FWL	County Lea						
			La	titude	le										
	NATURE OF RELEASE														
Type of Rele			iter	· · · · · · · · · · · · · · · · · · ·		Volume of			Recovered						
Source of Re							lour of Occurrence	e Date an	I Hour of Dis	covery					
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If a Watercou	rse was lim	pacted Descri	be Fully.*												
The well pres to pick up flu	Describe Cause of Problem and Remedial Action Taken.*  The well pressured up between back pressure valve and stuffing box causing packing to blow out. The packing was replaced and vacuum truck dispatched to pick up fluid.														
Describe Area The release w					tely 200	) square fect i	n pasture. The ar	ea will be delined	ited.						
regulations all public health of should their of or the environ	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 CONS	ERVATION	DIVISIO	N					
Signature:	Bruce	Baker			_										
Printed Name:	Bruce Bak	ker				Approved by Environmental Specialist:									
Title: Environ	ımental Tec	hnician				Approval Date: Expire			ation Date:						
E-mail Addres			orp.com			Conditions of			Attached						
Date: 10-15-	13		Phone:	(432) 631-6982											

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

Appendix B Laboratory Analysis



October 25, 2013

**BRUCE BAKER** 

APACHE - EUNICE

P. O. BOX 1849

**EUNICE, NM 88231** 

RE: EBDU #82

Enclosed are the results of analyses for samples received by the laboratory on 10/22/13 8:25.

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

Celego Keene

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 BRUCE BAKER P. O. BOX 1849 **EUNICE NM, 88231** 394-2425 Fax To:

Received:

Reported:

10/25/2013

Project Name: Project Number: Project Location:

NONE GIVEN

10/22/2013

EBDU #82

**NOT GIVEN** 

Sampling Date:

10/21/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

#### Sample ID: 5 PT. BOTTOM COMP (H302542-01)

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	10/22/2013	. ND	400	100	400	0.00	
TPH 8015M	· mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/24/2013	ND	180	90.0	200	2.46	
DRO >C10-C28	14.4	10.0	10/24/2013	ND	175	87.4	200	1.75	
Surrogate: 1-Chlorooctane	97.4	% 65.2-14	0						

Surrogate: 1-Chlorooctadecane

110%

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.

Celeg D. Keine



#### **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

PLEASE NOTE: Uability 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 whistoever 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 Liboratories.

Celey D. Keene

#### ARDINAL LABORATORIES

#### **CHAIN-OF-CUSTODY AND 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

Company Name	: Alache										8//	Lito						ANAI	LYSI	S RE	QUE	ST		·	
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Phone #:	Fax #:							Ac	ldre	ss:		· .			ŀ		-	Ę		ŀ					
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Sampler Name:								Fa	x #:					] 을	<b>TPH 8015</b>	BI	ä								<b>1</b>
FOR LAB USE ONLY		Ι.	Γ	L	M	ATR	IX	T .	PR	ESE	RV.	SAMPL	ING	10	古		<u> </u>	e e							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	TOE / COOT	OTHER:	DATE	TIME			•		Complete							
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remady for any daim anising whether based in contract or fort, shall be limited to the smount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the explicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries.

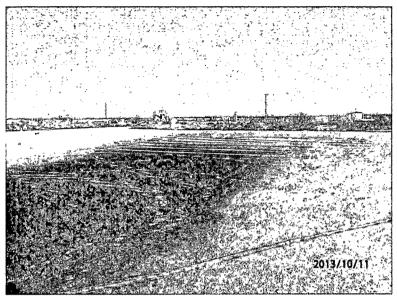
\*\*The contract of white is based upon any of the above stated reasons or otherwise.\*\*

I	Relinquished By:	Date 12/12 Receiv	red By:	Phone Result: ☐ Yes ☑ No Add'l Phone #:
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ı	Delivered By: (Circle One)		Cool Intact (Initials)	
-	Sampler - UPS - Bus - Other:		☐ Yes ☐ Yes / † #	Cath Conder
		<u> </u>	No No	

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 505-39\$2476

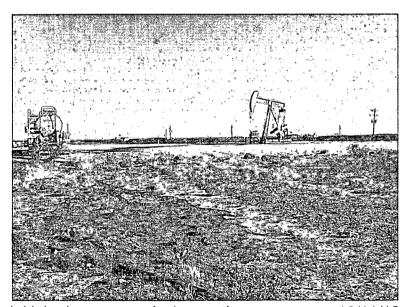
## Appendix C Photo Documentation

## **Apache EBDU #82**Unit Letter C, Section 13, T21S, R37E



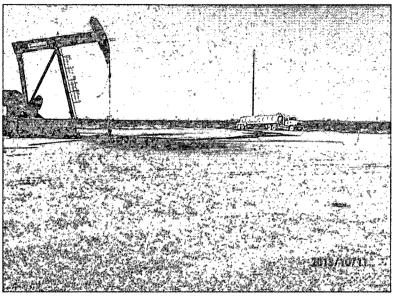
Initial release area, facing northwest

10/11/13



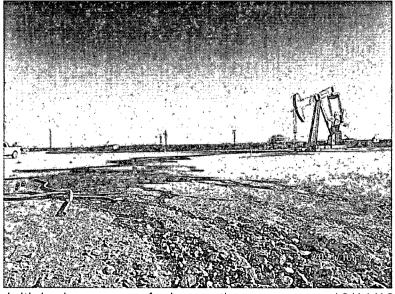
Initial release area, facing north

10/11/13



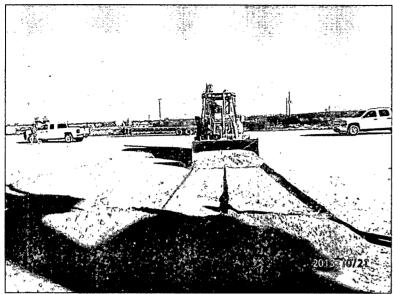
Initial release area, facing southwest

10/11/13

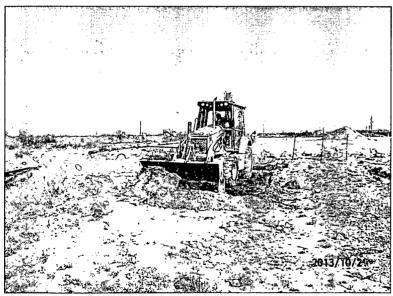


Initial release area, facing north

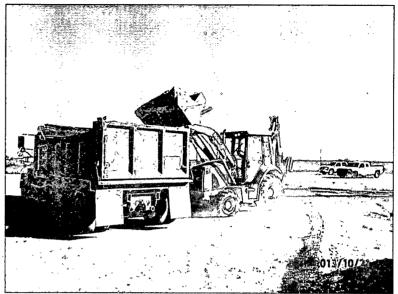
10/11/13



Scraping the release on the pad to 6 inches, facing north 10/21/13

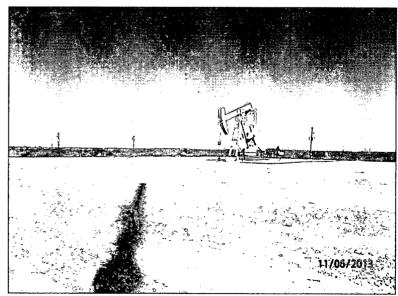


Scraping the pasture, facing northwest 10/21/13

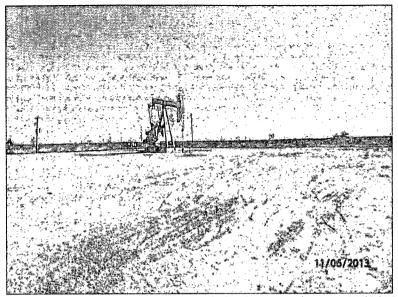


Exporting soil, facing northeast

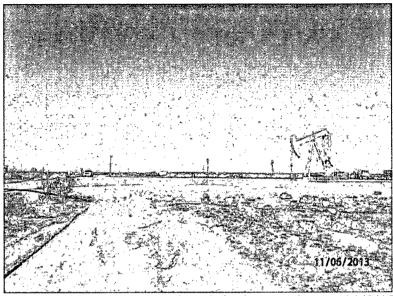
10/21/13



Site backfilled and completed, facing northeast 11/6/13



Site backfilled and completed, facing southeast 11/6/13



Site backfilled and completed, facing north 11/6/13

# Appendix D Final C-141

# District 1 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District Aria 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

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

#### HOBBS OCD

Form C-141 Revised August 8, 2011

DEC 0 6 2013

accordance with 19.15.29 NMAC.

RECEIVED

			Rel	ease Notific	cation	and Co	orrective A	ction	n						
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If a Watercon	irse was Im	pacted, Descr	ibe Fully.	*								1			
	•	•	•	•						DTW	= 6°	1'			
Describe Are. The release a assess the release the site was the scomposite fro 128 mg/kg, the Apache met w	sured up be pick up the a Affected affected 8,06 case. Three craped down the base as Gasoline with NMOC ported to the	tween back p fluid.  Ind Cleanup A 7 square feet points were so is inches a of the scrape Range Organic on October e site to serve	Action Take on the leasampled front a total at six inchics (GRO) 31st, 2013	lve and stuffing b	uare feet the release raped so commer of non-d	in the pastur ase and field il was taken cial laborator letect and the the site to be	re. RECS person tested for chlorid to a NMOCD appry for analysis. T Diesel Range Or backfilled. 180 y	nel were es and f proved f he labor ganics (	e on site be for organic facility for o ratory chlo (DRO) retu clean calic	ginning on C vapors using disposal. A ride reading rned a result he and 16 ya	October a PID 5 point returne of 14,4 rds of c	11 <sup>th</sup> , 2013 to meter. The bottom d a result of 4 mg/kg. clean blow			
regulations all public health should their o	l operators a or the environ perations ha ment. In ad	re required to onment. The rve failed to a Idition, NMO	report an acceptanc dequately CD accep	is true and compled/or file certain re- e of a C-141 repo- investigate and re- tance of a C-141 re-	elease no ort by the emediate	tifications an NMOCD ma	nd perform correct arked as "Final Re on that pose a thre	tive acti eport" d eat to gr	ions for rel loes not rel round water	eases which ieve the oper r, surface wa	may en rator of iter, hui	danger Tiability man health			
Signature: Buce Bucher						OIL CONSERVATION DIVISION  Approved by Environmental Specialist  Approved by Environmental Specialist									
'rinted Name	Bruce Bal	cer				THE VALUE OF THE PROPERTY OF T									
Title: Environ	mental Tec	h			A	Approval Date:  2 06 13   Expiration Date: -									
-mail Addres	ss: larry.bal	cer@apacheco	orp.com	****	c	Conditions of	Approval:		Attached						
Date: 15	S-S-/			(432) 631-6982	2					1		3-2991			