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

State of New Mexico **Energy Minerals and Natural Resources**

AUG 0 9 2012 Oil Conservation Division 1220 South St. Francis Dr.

HOBBS OCD

Form C-141 Revised October 10, 2003

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

Santa Fe, NM 87505 Release Notification and Corrective Action

				ease Notifi		OPERA'		1	ial Report Final Repor
Name of Co	ompany A	pache Corpo	oration			Contact Na	atalie Gladden		
		49 Eunice,		1		Telephone 1	No. 575-390-41	86	
Facility Na	me NEDU	J #102				Facility Typ	e Injection We	ell	
Surface Ow	vner McCa	asland		Mineral (Owner	St of NM		Lease	No. 30-025-06400
	1725	7 1 1 1 1		LOC	ATIO	N OF RE	LEASE		ely's
Unit Letter	Section	Township	Range	Feet from the	_	South Line	Feet from the	East/West Line	County
Н	2	218	37E	1582'	FNL		1582'	FEL	Lea
11	2	213			TNL		N. T. C.	FEL	Lea
			La	titude		Longitud	le		
				NAT	TURE	OF REL	EASE		
Type of Rele						Volume of	Release 10	Volume	Recovered 0
Source of Re						Date 01/17		Date 01/	18/10
Was Immedi	iate Notice		Yes 🗵	No Not R	equired	If YES, To			
By Whom? 1	Natalie Glad	lden			- 1	Date and I	lour 01/18/10 7:3	0am	
Was a Water		ched?	Yes 🛭	No		If YES, Vo	olume Impacting	the Watercourse.	
If a Waterco	urse was Im	pacted, Descr	ibe Fully.	*			****		
									N1/01
7.0	CD 11	em and Reme	1'-1 A -4'-	- T-1 +			-		Drw=40'
Valve handle	e was left or	wellhead val	ve and co		open. F	fluid released	and soaked in bef	ore vacuum truck	could get to location. Backhoe
Describe Are	ea Affected	and Cleanup	Action Ta	ken.*					
Site has been			ionon ru						
regulations a public health should their or the enviro	all operators n or the envi operations l onment. In a	are required to fronment. The have failed to	to report a e acceptan adequately OCD accep	nd/or file certain a ce of a C-141 rep y investigate and a	release r ort by th remedia	notifications a ne NMOCD m te contaminat	nd perform correct arked as "Final R on that pose a three the operator of	etive actions for re deport" does not re eat to ground water responsibility for	resuant to NMOCD rules and leases which may endanger lieve the operator of liability er, surface water, human health compliance with any other
Signature:	100	duic Gladden	G	ladde	N.	Approved by		SERMATION or: Environme	DIVISION Tell Specialist
Title: EH&S	S Environm	ental Tech				Approval Da	te: 8(9)1	2 Expiration	Date:
E-mail Addr	ess: natalie	.gladden@apa	achecorp.c	com		Conditions o	Approval:	_	Attached
Date: 07/2	27/12	Pho	one: 575-3	90-4186					IRP-6-14-3106

^{*} Attach Additional Sheets If Necessary



HOBBS OCD

AUG 09 2012

RECEIVED

NEDU #102

Lea County
Unit H, 2, 21S, 37E
1582' FNL and 1582' FEL
API # 30-025-06400

Prepared by: Natalie Gladden

Apache Corporation

Dear Geoffrey,

RECEIVED

Attached you will find a copy of the Original C141, Final C141, a diagram of the contamination area along with sample points with sample results and final analyticals taken from this site.

With this information that is provided, Apache Corporation respectfully requests your review and approval of the Closure Document for the produced water release that occurred at the Apache NEDU #102 site.

If you have any questions or concerns, please feel free to contact me at any time.

Sincerely,

Natalle Gladden

EH&S Environmental Tech

Permian New Mexico District

The purpose of this report is to document the remediation activities and present supporting analytical data to the NMOCD, requesting closure of the referenced produced water release incident in accordance with the Guidelines for Remediation of Leaks, Spills and Releases.

On January 17th 2010, the valve handle was left on the injection wellhead and a cow rubbed the handle off of the valve which caused the fluid to be released. 10bbls of fluid was released, with no recovery.

The contaminated soil was excavated, 1320 cubic yards of contaminated soil was hauled to Sundance Services for disposal. All samples except for SP4 which was near the wellhead and gas line were below the 250-ppm chloride Standard. Once final samples were confirmed by Cardinal Labs, the site was backfilled. 1152 cubic yards of backfill was purchased from the local landowner.

Based on the analytical results of the confirmation soil samples collected from the excavation and which confirmed that only SP4 was over the 250 threshold. Consequently, no further action is recommended or planned for this site at this time and on behalf of Apache Corporation we respectfully request that the NMOCD grant closure for the Apache NEDU #102 site.

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

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003

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

Release Notification and Corrective Action

						OPERA	ГOR		al Report		Final Report
		pache Corpo			(Contact Na	talie Gladden		ter to the		
Address P.	O. Box 18	49 Eunice, 1	VM 8823	1		Telephone N	No. 575-390-41	86		1	
Facility Nar	ne NEDU	#102			1	Facility Typ	e Injection We	ell	24 48		
Surface Ow	ner McCa	sland		Mineral (Owner S	St of NM		Lease 1	No. 30-025	-0640	0
12.	1111			LOCA	ATION	OF REI	LEASE				
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/West Line	County		
Н	2	21S	37E	1582'	FNL		1582'	FEL	Lea		
			La	titude		Longitud	e				
				NAT	TURE	OF RELI	EASE				
Type of Rele	ase Produ	iced Water		- 1			Release 10	Volume I	Recovered 0		
Source of Release valve Date 01/17/10 Date 01/18/10											
Was Immedia	ate Notice (Yes 🗵	No □ Not R	equired	If YES, To Larry John					
By Whom? N	Vatalie Glad	lden		1 7		Date and H	lour 01/18/10 7:3	0am	*		
Was a Water		ched?			0 1	If YES, Vo	lume Impacting	the Watercourse.			
			Yes 🛚	No		7 1					
Valve handle	ise of Proble was left or	em and Reme wellhead val	dial Actio	n Taken.*	open. Fl	uid released a	and soaked in bef	ore vacuum truck o	could get to le	ocatio	n. Backhoe
		and Cleanup And the chloride)-ppm. O	nce that is ob	tained, location v	will be backfill and	a closure do	cumen	nt will be
regulations al public health should their of or the environ	or the envi operations h ment. In a	are required to ronment. The nave failed to	o report and acceptant adequately OCD accep	nd/or file certain accept a C-141 report investigate and a	release no ort by the remediate	otifications as e NMOCD m e contaminati	nd perform correct arked as "Final R on that pose a thr	inderstand that pur- ctive actions for rel teport" does not rel teat to ground wate responsibility for c	eases which ieve the oper r, surface wa	may en ator of ter, hu	ndanger f liability ıman health
Signature:	P	tali	i	folodo				SERVATION	DIVISIO	N	
Printed Name	e: Natalie	Gladden			1	Approved by	District Supervis	or:			
Title: EH&S	Environme	ental Tech				Approval Dat	e:	Expiration	Date:		36-5-1
E-mail Addre	ess: natalie	.gladden@apa	checorp.c	om		Conditions of	Approval:		Attached		

2-9-10

Phone: 575-390-4186

^{*} Attach Additional Sheets If Necessary



April 13, 2010

Natalie Gladden Apache Corporation P.O. Box 1849 Eunice, NM 88231

Re: NEDU 102

Enclosed are the results of analyses for sample number H19633, received by the laboratory on 04/09/10 at 2:15 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method SW-846 8260

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005

Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited though 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 524.2

Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,

Celey D. Keene

Laboratory Director



ANALYTICAL RESULTS FOR APACHE CORPORATION ATTN: NATALIE GLADDEN P.O. BOX 1849 EUNICE, NM 88231

Receiving Date: 04/09/10
Reporting Date: 04/12/10
Project Owner: NOT GIVEN

Project Name: NEDU 102
Project Location: NOT GIVEN

Analysis Date: 04/12/10 Sampling Date: 03/14/10 Sample Type: SOIL

Sample Condition: INTACT @ 13°C

Sample Received By: AB

Analyzed By: HM

LAB NUMBER SAMPLE ID (mg/kg)

H19633-1	SP1	80
H19633-2	SP2	96
H19633-3	SP3	224
H19633-4	SP4	432
H19633-5	SP5	112
H19633-6	SP6	64
,		
Quality Contr	rol	500
True Value Q	C	500
% Recovery		100
Relative Pero	cent Difference	< 0.1

METHOD: Standard Methods 4500-CIB

Note: Analyses performed on 1:4 w:v aqueous extracts.

H19633 APACHE



101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name:	APACHE CORPORATION												13	BILL TO						A	ANALYSIS	K	S	RE	E	č	QUEST	-				
Project Manager:	NATALIE GLADDEN									0.	P.O. #:							-					_		_				\dashv		\dashv	
Address:	P.O. BOX 1849									or	npa	Company:																				
City:	EUNICE St NM	Zip	*							Attn:	==				1					_									_			
Phone #: 575-3	575-390-4186 Fax #:									do	Address:	S																				
Project #:	Project Owner:	ä							-	City:																						
Project Name: N	NEDU 102								-	State:	0			Zip:																		
Project Location:									-	ň	Phone #:	*																	•		_	
Sampler Name:	NATALIE GLADDEN								_	Fax #:	*																					
FOR LAB USE ONLY				П	1	3	MATRIX	×	1	Ш	낊	PRESERV.	2	SAMPLING																		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL		SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	CHLORIDES																199
H19633-1 8	SP1					×	^							3/14 80	801AM														H			
	SP2					×	^							3/14 818	815AM																	
	SP3					×	^							3/14 820	820AM	_																
3 h-	SP4					×	^							3/14 100	1005AM																	
3 5	SP5					×	^							3/14 102	1026AM																	
9	SP6					×	_	-	_					3/14 110	1106AM	2											_					
		_				-	_	-	_											_							_		_			
PLEASE NOTE: Liability and analyses. All claims including t service. In no event shall Card	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tord, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and reselved by Cardinal within 30 days after completion of the applicable service. In or event shall Cardinal be liable for includeral or consequental damages, including without limitation, business, index jor loss of portis incurred by client, its subsidiaries.	ny claim i semed w	arising raived mitatio	wheti unless	her ba	e in w	n con riting	and r	ecely s of a	ed by	Card	mited inal w	to the	amount paid by the clies 0 days after completion curred by client, its subs	nt for the of the applicable sidiaries.					- 1		- [- 1	- 1	- 1		- 1		ŀ		1	
affiliates or successors arising	affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise	ardinal,	egard	less c	of whe	ther	uch c	1	s bas	ed up	on an	of t	ne ab	we stated reasons or other	herwise.			1				1			ı							
Relinquished By:	Date: 4/9/2010		Received By:	Vec	8	-:								יור וויר	Phone Result: Fax Result:	ult	□ Yes		8 8	AA	Add'l Phone #: Add'l Fax #:	Pho	#: ne									
NATALIE GLADDEN	Time:													70	REMARKS:	-		-		1												

Revision FORM-006 Sampler - UPS - Bus - Other:

35 #26

Sample Condition
Cool Intact
Pres X Yes
N No No

CHECKED BY: (Initials)

Delivered By: (Circle One)

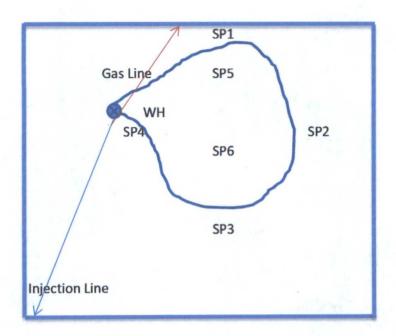
Relinquished By:

Received By:

EMAIL TO natalie.gladden@apachecorp.com

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Release Date: 01/17/2010



Sample ID	Chlorides
SP1	80-ppm
SP2	96-ppm
SP3	224-ppm
SP4	432-ppm
SP5	112-ppm
SP6	64-ppm