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

S. St. Francis Dr., Santa Fe, NM 87505

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

AUG 0 9 2012

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**

Oil Conservation Division

1220 South St. Francis Dr.

						<b>OPERA</b>	OR	[	Initia	al Report	$\boxtimes$	Final Report
Name of Company Apache Corporation					(	Contact Natalie Gladden						
Address PC			4 88231			Telephone No. 575-390-4186						
Facility Nan	ne Hawk	B-1 #55			<u> </u>	Facility Type Producing well						
Surface Owi	ner Deck			Mineral O	wner 1	NMOCD			Lease N	lo. 30-025	-3951	
				LOCA	TION	OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/W	est Line	County		
K	8	21S	37E	2310'	FSL	İ	2310'	FWL		Lea		
	-		La	titude		_ Longitud	e					
				NAT	URE	OF RELI	EASE					
Type of Relea	ase Hydroc	arbon				Volume of	Release 30	T	Volume R	Recovered 20	)	
Source of Rel						1/12/11			1/12/11			
Was Immedia	te Notice C		Yes 🗵	No □ Not Re	quired	If YES, To Geoffrey L						
By Whom? N	latalie Glad	den				Date and H	our 1/14/11 1129	am				
Was a Watero	course Reac	hed?	Yes 🗵	No		If YES, Vo	lume Impacting t	he Water	course.			
If a Watercou	rse was Im	nacted Descri	he Fully *	<u> </u>		l						
		em and Remed noving dozer t		n Taken.* ad location when	the flow	line was pull	ed from the wellh	iead.				
Describe Area Affected area				en.* OCD guidelines.								
regulations al public health should their o	l operators or the envir perations h nment. In a	are required to conment. The ave failed to a ddition, NMO	report ar acceptance dequately CD accep	is true and compled/or file certain rese of a C-141 repoint restigate and restance of a C-141 repoint research for the certain research for the ce	elease no rt by the emediate	otifications ar NMOCD ma contamination	nd perform correct arked as "Final Roon that pose a throether of the operator operator of the operator	tive actio eport" do eat to gro responsib	ns for rele es not reli und water ility for co	eases which eve the oper , surface wa ompliance w	may en rator of ter, hur rith any	danger liability nan health
Signature Stalle Gladden  Printed Name: Natalie Gladden				N /	OIL CONSERVATION DIVISION  Approved by District Supervisor Environmental Specialist					Ŏ		
Title: EHS E							e: 03/09/12	- 1	xpiration I			
E-mail Addre	ss: <u>natalie.</u>	gladden@apa	checorp.c	<u>om</u>		Conditions of	Approval:	_		Attached		
Date: 7/2	6/12		Phone:	575-390-4186						IRP-06		2093
Attach Addit		ts If Necess		575 1100						1		

JUN 28 2014

MSAD1416851 378



HOBBS OCD

AUG 0 9 2012

RECEIVED

Hawk B-1 #55

Lea County

K, 8, 21S, 37E

2310' FSL and 2310' FWL

API # 30-025-39511

Release Date: 01/12/11

Prepared by: Natalie Gladden

**Apache Corporation** 

Dear Geoffrey,

AUG 0 9 2012

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 Hawk B-1 #55.

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

Sincerely

Natalie 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 and hydrocarbon release incident in accordance with the Guidelines for Remediation of Leaks, Spills and Releases.

On January 12<sup>th</sup> 2011, a drilling contractor was moving his dozer to a new pad location when the flowline was pulled from the wellhead; it was below freezing that day as well. 30bbls of fluid was released with recovering 20bbls.

The contaminated soil was excavated, 548 cubic yards of contaminated soil was hauled to Sundance Services for disposal and 624 cubic yards of clean caliche was purchased from a local landowner for backfill.

Based on the analytical results of the confirmation soil samples collected from the excavation and which confirmed that the soil was less than the Standard of 250-ppm chlorides. 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 Hawk B-1 #55.

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
'rict IV
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 Revised October 10, 2003 ubmit 2 Copies to appropriate

Form C-141

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>	$\triangleright$	Initia	al Report		Final Report
Name of Company Apache Corporation				(	Contact Natalie Gladden							
Address PC	Box 1849	Eunice, NN	M 88231		7	Telephone No. 575-390-4186						
Facility Nan	ne Hawk	B-1 #55			I	Facility Type Producing well						
Surface Own	ner Deck			Mineral C	wner N	MOCD			Lease N	lo. 30-025	-3951	
				LOCA	TION	OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/Wes	st Line	County		
K	8	218	37E	2310'	FSL	2310' FWL						
			La	titude		Longitud	e					
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Type of Relea	ase Hydroc	arhon		11/2 1	CRE	Volume of			/olume R	Recovered 20	<u> </u>	
Source of Rel						1/12/11	release 50		/12/11	ccovered 20	<u></u>	··
Was Immedia						If YES, To	Whom?		712711			
			Yes 🗵	No Not Re	quired	Geoffrey L						
By Whom? N	atalie Glad	den				Date and H	our 1/14/11 1129	am				
Was a Watero	course Read	hed?				If YES, Vo	lume Impacting t	he Waterc	ourse.			
			Yes 🗵	] No								
If a Watercou	rse was Im	nacted. Descr	ibe Fully.	<b>*</b>		1						
		,										
		em and Reme										İ
Drilling contr	actor was n	noving dozer	to a new p	oad location when	the flow	line was pull	ed from the wellh	iead.				}
				,								
Describe Area	Affected:	and Cleanup A	Action Tal	(en.*								
				OCD guidelines; t	ne closur	re report will	be sent in shortly					}
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				nd/or me certain r ce of a C-141 repo								
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federal, state,							<b></b>		,			
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Signature:		ille	_J(X	Mille								
Printed Name: Natalie Gladden				F	Approved by District Supervisor:							
Title: EHS E	nvironment	al Tech_			- A	Approval Dat	e:	Ex	piration l	Date:		
E-mail Addre	ss: <u>natalie.</u>	gladden@apa	checorp.c	<u>om</u>	(	Conditions of	Approval:	•		Attached	$\Box$	
Date: 2/7	/11		Phone:	575-390-4186								

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



#### Analytical Results For:

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

Received:

01/18/2011

Reported:

01/21/2011

Project Name: Project Number: HAWK B-1 #55

NONE GIVEN

Sampling Date:

01/14/2011

Sampling Type:

432

Soil

Sampling Condition:

\*\* (See Notes)

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Result

32.0

Result

128

Result

96.0

Sample ID: WEST LEAK OFF PAD COMP (H100115-01)

Chloride, Si	M4500CI-B	
	Analyte	
Chloride		

Reporting Limit 16.0

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed 01/18/2011

Analyzed

01/18/2011

Analyzed

01/18/2011

Method Blank ND

ND

Method Blank

ND

Method Blank

BS % Recovery True Value QC 400

RPD

0.00

0.00

0.00

Qualifier

Sample ID: EAST SCRAPE BTTM @ 1' (H100115-02)

Chloride,	SM4	500C	l-B

Chloride

Chloride

Analyte

mg/kg

Analyzed By: JM

Analyzed By: LR

Method Blank BS % Recovery

108

108

True Value QC

400

RPD

Qualifier

Sample ID: SOUTH SCRAPE BTTM @ 1' (H100115-03)

Chioriae,	2M4200CI-B
	Analyte

mg/kg

Analyzed By: LR

BS

432

432

% Recovery

108

True Value QC 400

RPD

Qualifier

Sample ID: SOUTH EXC BTTM @ 4' (H100115-04)

Chloride,	SM4500CI-B

mg/kg

Analyzed By: LR

Analyte Result Reporting Limit Chloride 96.0 16.0

Analyzed 01/18/2011

ND

88 432 % Recovery 108

True Value QC 400

RPD 0.00

Qualifier

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Dan 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 or loss of profits incurred by client its subsidiaries affiliates or success ors arising out of or related to the performance of the services hereunder ntified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



#### **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: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim artisting, whether based in contract or tart, shall be limited to the amount poid by client for analyses. All dalms, including those for negligence and any other cause whotherwer 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 subcidaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such daim 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 & Keine

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

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2	EAST SCRAPLBHILE I' POCUTH SCRAPE BING EI' DOUTH EKCAVE HONBHE H'	C	1-19-11	1:55	V		#2:24 feet met #2:				LUNG-T- STREET			************	
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

NEED SAMPLES BACK, PLEASE



January 21, 2011

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

**EUNICE, NM 88231** 

RE: HAWK B-1 #55

Enclosed are the results of analyses for samples received by the laboratory on 01/18/11 11:15.

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 Hydorcarbons

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

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 (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Celey D. Kune

### Apache Hawk B-1 #55 Leak





West Leak Off Pad West Exc. 161'x16'x1'

South Scrape 89'x40'x1'

South Exc. 51'x15'x4'

SE Scrape 61'x15'x6" Hand Shoveled



Key						
	Leak Source					
U	Initial Leak Area					
7	Excavated Areas					
	Sample Point					

Surface Field Sample Data

Sample Description	CI-
East Stain Center	1616
2. Southwest Stain Center	599
3. Leak Off Pad East Center	411
4. Leak Off Pad Center	290
<ol><li>End of Leak Off Pad West Center</li></ol>	247
6. South Leak Off Pad Center	137

West Excavation Lab Data

Sample Description	CI-
West Leak Off Pad Comp	32

East Scrape Lab Data

Sample Description	CI-
East Scrape Bttm @ 1'	128

South Scrape Lab Data

Sample Description	ċ
South Scrape Bitm @ 1'	96

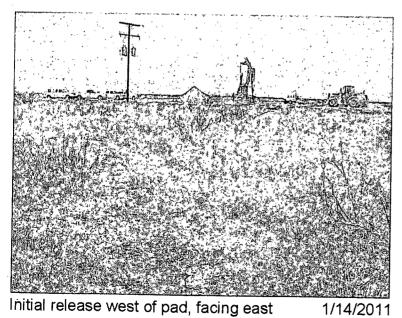
South Excavation Lab Data

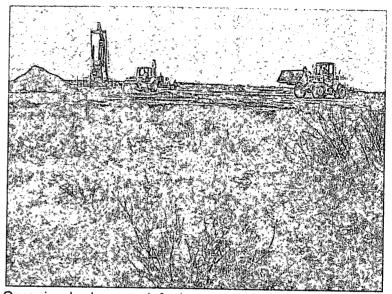
Sample Description	CI-
South Exc Bitm @ 4'	96
South Exc West Wall	112
South Exc North Wall	128
South Exc South Wall	144

# Hawk B-1 #55

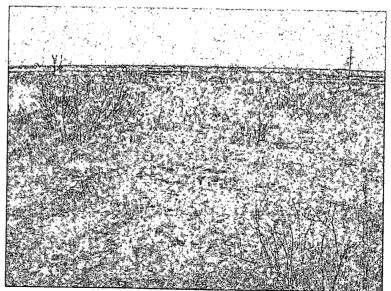
Unit K, Section 8, T21S, R37E



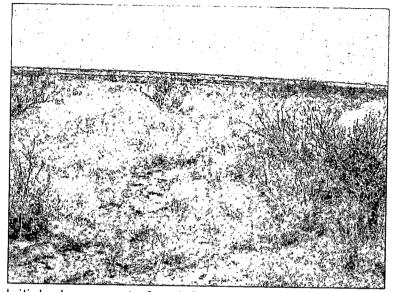




Scraping leak on pad, facing east 1/14/2011

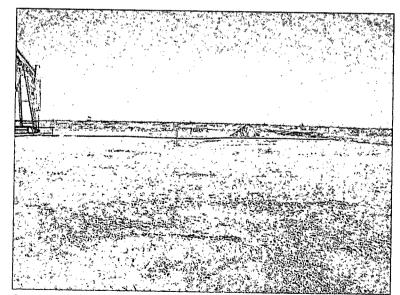


Initial release east of pad, facing west 1/14/2011



Initial release east of pad, facing west

1/14/2011



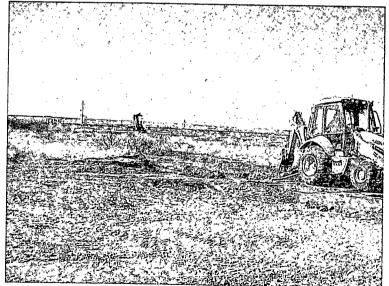
Scrape area on pad, facing east

1/14/2011



Initial release south of pad, facing east

1/14/2011



Excavating west leak off pad, facing west

1/14/2011