

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

State of New Mexico
Energy Minerals and Natural Resources

HOBBS OCD

Form C-141
Revised October 10, 2003

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

AUG 09 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 Corporation	Contact Natalie Gladden
Address P.O Box 1849 Eunice, NM 88231	Telephone No. 575-390-4186
Facility Name NEDU #103	Facility Type Injection well

Surface Owner McCasland	Mineral Owner NMOCD/BLM	Lease No. 30-025-09897
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	3	21S	37E	660'	FNL	660'	FWL	Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 30	Volume Recovered 20
Source of Release Valve	Date and Hour 06/02/2010	Date and Hour 06/02/2010 6:30am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Larry Johnson	
By Whom? Natalie Gladden	Date and Hour 06/02/2010 745am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		

OCW=25'

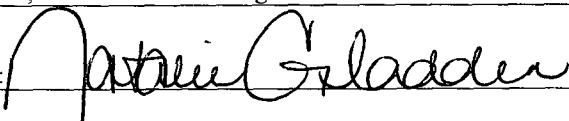

Describe Cause of Problem and Remedial Action Taken.*

Someone had put the valve handle back on the casing valve several days after the pumper had removed it, causing the fluid to be released.

Describe Area Affected and Cleanup Action Taken.*

Contamination was excavated and hauled to Sundance and Guidelines and Regulations of the NMOCD was followed to closure.

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.

Signature: 	OIL CONSERVATION DIVISION  Approved by District Supervisor Environmental Specialist	
Printed Name: Natalie Gladden	Approval Date: 08/09/12	Expiration Date: -
Title: EH&S Environmental Tech	Conditions of Approval: -	
E-mail Address: natalie.gladden@apachecorp.com	Attached <input type="checkbox"/>	
Date: 07/27/12 Phone: 575-390-4186	IRP-06-14-3104	

* Attach Additional Sheets If Necessary

USA01417755224



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NEDU #103

Lea County

Unit D, 3, 21S, 37E

660' FNL and 600' FWL

API # 30-025-09897

Prepared by: Natalie Gladden

Apache Corporation

HOBBS OCD

Dear Geoffrey,

AUG 09 2012

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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 #103 site.

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

Sincerely,

A handwritten signature in black ink, reading "Natalie Gladden". The signature is fluid and cursive, with the first name "Natalie" and last name "Gladden" clearly distinguishable.

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 remediation of Leaks, Spills and Releases.

On June 2nd 2010, the valve handle was left on the wellhead and the valve was opened by an unknown source. 30bbls of produced water was released and 30bbls of produced water was recovered.

The contaminated was excavated, 922 cubic yards of contamination was hauled to Sundance Services for disposal. The location was contoured so that would be level therefore 516 cubic yards of clean soil 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 oil was less than the 250-ppm standard on 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 Apache NEDU #103 site.



Analysis Date: 08/02/10
Sampling Date: 07/19/10
Sample Type: SOIL
Sample Condition: INTACT @ 25°C
Sample Received By: JH
Analyzed By: HM

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

Date 08/04/10

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 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.



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache</u>				BILL TO				ANALYSIS REQUEST															
Project Manager: <u>Catalie Gladden</u>				P.O. #:																			
Address:				Company:																			
City:		State:		Zip:		Attn:																	
Phone #:		Fax #:		Address:																			
Project #:		Project Owner:		City:																			
Project Name:				State:																Zip:			
Project Location: <u>Node 103</u>				Phone #:																			
Sampler Name:				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.		SAMPLING		C U L									
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL		OTHER:	DATE	TIME						
<u>H2D501-1</u>		<u>SP1</u>																					
<u>2</u>		<u>2</u>																					
<u>3</u>		<u>3</u>																					
<u>4</u>		<u>4</u>																					
<u>5</u>		<u>5</u>																					
		<u>NW</u>																					
		<u>NE</u>																					
		<u>SW</u>																					
		<u>SE</u>																					
		<u>Center</u>																					

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 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>Catalie Gladden</u>		Date: <u>7-20</u>		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time: <u>4:35</u>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS: <u>Email</u>			
		Time:							
Delivered By: (Circle One)									
Sampler - UPS - Bus - Other:				Sample Condition					
				Cool Intact					
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
				CHECKED BY:					
				(Initials)					

FORM-006

Revised 10

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

#26



August 4, 2010

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

Re: NEDU 103

Enclosed are the results of analyses for sample number H20501, received by the laboratory on 07/30/10 at 4:35 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.

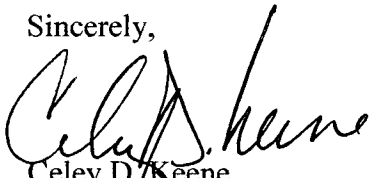
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

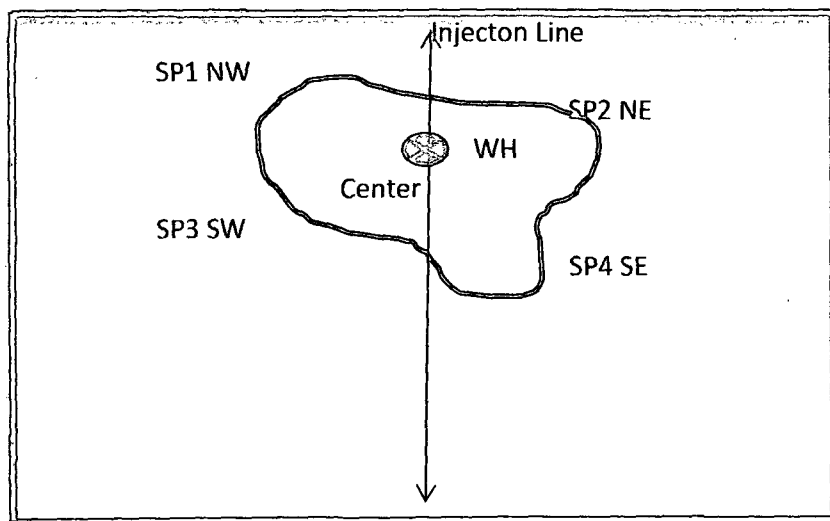
Sincerely,



Celey D. Keene
Laboratory Director

NEDU #103

Release Date: 06/02/2010



Sample ID	Chlorides
SP1 NW	<16
SP2 NE	<16
SP3 SW	<16
SP4 SE	<16
Center	<16