

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  
1 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  
JUL 26 2012  
RECEIVED

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

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	EBDU #77	Facility Type	Production Well

Surface Owner	Paige McNeil	Mineral Owner	State of NM	Lease No.	30-025-39273
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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
J	12	21S	37E	1470	South Line	2560	East Line	Lea

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

NATURE OF RELEASE

Type of Release	Brine Water	Volume of Release	5bbls	Volume Recovered	3bbls
Source of Release	Frac Tanks overflowed	Date	10/19/09	Date	10/19/09
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Jeff Leiking		
By Whom?	Natalie Gladden	Date and Hour	10/19/09 2pm		
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.\*

DTW=69'

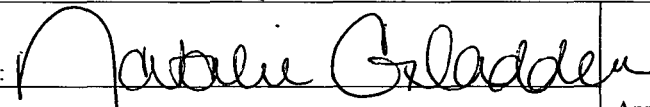

Describe Cause of Problem and Remedial Action Taken.\*

Overflow tanks on drilling rig, overflowed releasing 5bbls of brine water. All fluid remained on pad.

Describe Area Affected and Cleanup Action Taken.\*

Vacuum truck recovered 3bbls of fluid. Once drilling rig was moved off, saturated soil was scrapped up and hauled to Sundance Services. The pulling unit will set production string and pumping unit will be set. Then at that time, we will move in to remediate area.

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: 7/26/12	Expiration Date: 10/31/11
Title: EH&S Environmental Tech	Conditions of Approval:	
Email Address: natalie.gladden@apachecorp.com	Attached <input type="checkbox"/>	
Date: 10/27/09 Phone: 575-390-4186	WRP-09-11-2332	

\* Attach Additional Sheets If Necessary

JUN 23 2014

HOBBS OCD

JUL 26 2012

RECEIVED



EBDU #77

Lea County

Unit J, 12, 21S, 37E

1470' FSL and 2560' FEL

API# 30-025-39273

Release Date: 10/19/09

Prepared by: Natalie Gladden

Apache Corporation

Dear Geoffrey,

Attached you will find a copy of the original C141, Final C141 along with the 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 brine water release that occurred at the Apache EBDU #77.

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

Sincerely,

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

Natalie Gladden

EH&S Environmental Tech

New Mexico Permian 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 brine water release incident in accordance with the Guidelines for Remediation of Leaks, Spills and Releases.

On October 19<sup>th</sup> 2009, while drilling the EBDU #77, the overflow tanks on the drilling rig overflowed; releasing 5bbls of brine water. This location was lined when the location pad was constructed.

The contaminated soil was excavated to 12" above the liner, 432 cubic yards of contaminated soil was hauled to Sundance Services. A total 464 cubic yards of caliche was purchased from a local landowner for backfill. Final samples were obtained at the 12" level to keep from compromising the liner. This liner is installed on each new drill to protect the ground water and land associated with the drilling pad. The liner is still in place and is in tack.

Based on the analytical results of the confirmation soil samples collected from the excavation and which confirmed that the soil was less than 530-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 EBDU #77.

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**RECEIVED** State of New Mexico  
Energy Minerals and Natural Resources  
OCT 28 2009  
Oil Conservation Division  
**HOBBS** 1220 South St. Francis Dr.  
Santa Fe, NM 87505

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### 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 EBDU #77	Facility Type Production Well	
Surface Owner Paige McNeil	Mineral Owner State of NM	Lease No. 30-025-39273

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Source of Release Frac Tanks overflowed	Date 10/19/09	Date 10/19/09
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jeff Leiking	
By Whom? Natalie Gladden	Date and Hour 10/19/09 2pm	
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#### OIL CONSERVATION DIVISION

Signature: <i>Natalie Gladden</i>	Approved by <i>ENV. ENGINEER</i> District Supervisor: <i>Jeff Leiking</i>	
Printed Name: Natalie Gladden	Approval Date: 10/29/09	Expiration Date: 12/29/09
Title: EH&S Environmental Tech	Conditions of Approval: DELINATE TO CLEAN +1. SUBMIT FINAL C-141 BY 12/19/09	
E-mail Address: natalie.gladden@apachecorp.com	Attached <input type="checkbox"/> IRP-09-11-2332	
Date: 10/27/09	Phone: 575-390-4186	

\* Attach Additional Sheets If Necessary

FGRL0930941891



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

April 14, 2010

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

Re: EBDU #77

Enclosed are the results of analyses for sample number H19638, 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 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

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This report conforms with NELAP requirements.



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

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

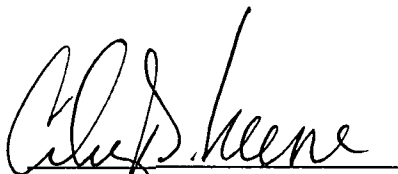
Receiving Date: 04/09/10  
Reporting Date: 04/13/10  
Project Owner: NOT GIVEN  
Project Name: EBDU #77  
Project Location: NOT GIVEN

Analysis Date: 04/13/10  
Sampling Date: 03/25/10  
Sample Type: SOIL  
Sample Condition: INTACT @ 13°C  
Sample Received By: AB  
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl <sup>-</sup> (mg/kg)
H19638-1	SP1	512
H19638-2	SP2	528
H19638-3	SP3	496
H19638-4	SP4	208
H19638-5	SP5	272
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-Cl <sup>-</sup> B
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Note: Analyses performed on 1:4 w:v aqueous extracts.

  
Chemist

  
Date

H19638 APACHE

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.



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

[illegible]

**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.

<b>Relinquished By:</b> NATALIE GLADDEN		<b>Date:</b> 4/9/2010 <b>Time:</b>		<b>Received By:</b>		<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b> <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Fax #:</b>	
<b>Relinquished By:</b> <i>Natalie Gladden</i>		<b>Date:</b> 4/9/10 <b>Time:</b> 2:15p		<b>Received By:</b> <i>Star CBZ</i>		<b>REMARKS:</b>  EMAIL TO natalie.gladden@apachecorp.com	
<b>Delivered By: (Circle One)</b> *Sampler - UPS - Bus - Other:		<b>Sample Condition</b> Cool <input type="checkbox"/> Intact <input type="checkbox"/> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>CHECKED BY:</b> (Initials) <i>Star</i>			