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

State of New Mexico Energy Minerals and Natural Resources HOBBS OCD

AUG 0 9 2012

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

Form C-141

Revised October 10, 2003

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

) S. St. Francis Dr., Santa Fe, NM 87505 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 #106 Facility Type Production Well Surface Owner McNeil Ranch Mineral Owner State of NM Lease No. 30-025-39391 LOCATION OF RELEASE Feet from the Unit Letter Section Township Range North/South Line Feet from the East/West Line County O 37E **FSL** 218 50' 1650' FEL Lea Latitude Longitude NATURE OF RELEASE Type of Release Oil/produced water Volume of Release 30bbls Volume Recovered 25bbls Source of Release Workover procedure Date and Hour of Occurrence Date and Hour of Discovery 03/15/2010? 03/15/2010 9am Was Immediate Notice Given? If YES, To Whom? ☐ Yes ☐ No ☐ Not Required Larry Johnson By Whom? Natalie Gladden Date and Hour 03/15/2010 1025am Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ⊠ No a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* During workover procedure the well stated flowing back releasing approx 30bbls of fluid, recovering 25bbls. A vacuum truck was dispatched out to recovery fluid and once the rig was finished and moved off of location remediation begun. Describe Area Affected and Cleanup Action Taken.* All of the contamination has been excavated and hauled to Sundance Disposal. Location was remediated to meet the NMOCD Guidelines 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: Approved by District Supervisitvironmental Specialist Printed Name: Natalie Gladden Approval Date: 08/09/12 Expiration Date: Title: EH&S Environmental Tech

Conditions of Approval:

Date: 07/24/12

E-mail Address: natalie.gladden@apachecorp.com

Phone: 575-390-4186

Attached

18P-10-4-2493

AUG 09 2012

RECEIVED

Apache

EBDU #106

Lea County

Unit O, 1, 21S, 37E

50' FSL and 1650' FEL

API #30-025-39391

Release Date: 03/15/10

Prepared by: Natalie Gladden

Apache Corporation

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 EBDU #106.

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 cleanup activities and present supporting analytical data to the NMOCD, requesting closure of the referenced hydrocarbon and produced water release incident in accordance with the Guidelines for Remediation of Leaks, Spills and Releases.

On March 15th 2010, during a work-over procedure the well started flowing back releasing approximately 30bbls of total fluid, recovering 25bbls. A vacuum truck was dispatched to recover standing fluid, once the rig moved off location the remediation began.

The contaminated soil was excavated, 264 cubic yards of contaminated soil was excavated and hauled to Sundance Services. Final samples were taken from the bottom of the excavation as well as the sidewalls. At this particular location, the release was around the wellhead and the base of the pump jack. Due to the safety risk we were unable to remediate this location to 250-ppm chlorides. Please review the drawing of the release area for details. Approximately 290 cubic yards of caliche was taken from Apache's Grizzell Pit for backfill.

Based on the analytical results of the confirmation soil samples collected from the excavation. Consequently, no further action is recommended or planned at this site until the well is plugged and the site is abandoned. On behalf of Apache Corporation we respectfully request that the NMOCD grant closure for the EBDU #106.

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

21 IV
3. 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
Submit 2 Copies to appropriate
APR 14 2000 with Rule 116 on back
side of form

Form C-141

Release Notification and Corrective Action

						OPERA:	ΓOR		☐ Initial Report ☐ Final Rep								
Name of Co	mpany A	pache Corpo	ration		(Contact Natalie Gladden											
Address P.0	D. Box 18-	49 Eunice, N	M 88231		1	Telephone No. 575-390-4186											
Facility Nan	ne EBDU	#106			I	Facility Typ	e Production W	/ell									
Surface Ow	ner McNe	eil Ranch		Mineral O	wner S	State of NM		lo. 30-025-	39391								
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Printed Name	: Natalie (Gladden			/	Approved by											
Title: EHRC	Environm	antal Taah				Annroval Das	۵٠	Evn:	iration !	Date:							
The Ends	Elivironme	inai rech				approvai Dai	С.	Expi	nauon l	Jaic.							
E-mail Addre	ss: <u>natalie</u>	.gladden@apa	checorp.c	<u>om</u>	(Conditions of	Approval:				**						
During workover procedure the well stated flowing back releasing approx 30bbls of fluid, recovering 25bbls. A vacuum truck was dispatched out to recovery fluid and once the rig was finished and moved off of location remediation begun. Describe Area Affected and Cleanup Action Taken.* All of the contamination will be excavated and hauled to Sundance Disposal. Location will be remediated to meet the NMOCD Guidelines 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 hea 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 CONSERVATION DIVISION																	

^{*} Attach Additional Sheets If Necessary



Analytical Results For:

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

Received:

07/30/2010

Reported:

08/09/2010

Project Name: Project Number:

EBDU #106 NOT GIVEN

Project Location:

EBDU #106

Sampling Date:

07/28/2010

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Jodi Henson

Sample ID: SP1 (H020496-01)

Chloride,	SM4500CI-B

mg/kg

Analyzed By: HM

Analyte

Result

Reporting Limit

Analyzed

Method Blank

BS

% Recovery

True Value QC

RPD

Qualifier

Chloride

hloride

272

Result

272

16.0 08/04/2010 ND

432

108

400

3.64

Sample ID: SP2 (H020496-02)

Chloride,	SM4500CI-B
	Analyte

mg/kg

mg/kg

Analyzed By: HM

Reporting Limit 16.0

Analyzed 08/04/2010 Method Blank ND

BS 432 % Recovery 108

True Value QC 400

RPD

3,64

Qualifier

Sample ID: SP3 (H020496-03)

M4500CI-B	
Analyte	

Reporting Limit Analyzed

Analyzed By: HM Method Blank

BS

% Recovery

True Value QC

RPD

3.64

Qualifier

Chloride

Result 288

592

08/04/2010 16.0

ND

432

108

400

Sample ID: SP4 (H020496-04)

SM4500CI-B

Analyte

mg/kg

Analyzed By: HM

Result Reporting Limit

16.0

Analyzed

08/04/2010

Method Blank

ND

BS 432

% Recovery

108

True Value QC

400

RPD

3.64

RPD

3.64

Qualifier

Qualifier

Chloride

Sample ID: SP5 (H020496-05)

Chloride,	SM4500Ci-B

mg/kg

Analyzed By: HM

	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC
Chloride		736	16.0	08/04/2010	ND	432	108	400

Cardinal Laboratories

*=Accredited Analyte

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. wise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories



Notes and Definitions

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

Analyte NOT DETECTED at or above the reporting limit

ND

Cardinal Laboratories *=Accredited Analyte

PLEASE NUTE: Liability and cleanages. Carona's liability and clean's exclusive remety for any card analysis, memor bessed in contract or tont, shall be liable for incidental or consequential damages, and 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.

Celey D. Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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Revision 1.0

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

Page 4 of 4



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(575) 393-2326 FAX (575) 393-2	476																									
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FORM-006

Revis' '.0

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



August 09, 2010

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: EBDU #106

Enclosed are the results of analyses for samples received by the laboratory on 07/30/10 17:00.

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. Keine

