

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  
220 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 #102	Facility Type Injection Well

Surface Owner McCasland	Mineral Owner St of NM	Lease No. 30-025-06400
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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
H	2	21S	37E	1582'	FNL	1582'	FEL	Lea

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

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 10	Volume Recovered 0
Source of Release valve	Date 01/17/10	Date 01/18/10
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Larry Johnson	
By Whom? Natalie Gladden	Date and Hour 01/18/10 7:30am	
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.\*

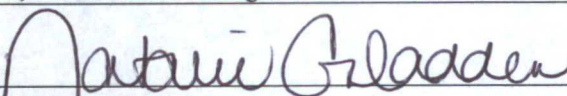
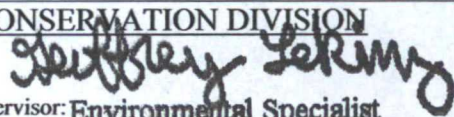
Describe Cause of Problem and Remedial Action Taken.\*

Valve handle was left on wellhead valve and cow knocked valve open. Fluid released and soaked in before vacuum truck could get to location. Backhoe was dispatched out immediately to scrap up the saturated soil.

Describe Area Affected and Cleanup Action Taken.\*

Site has been remediated.

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 	
Printed Name: Natalie Gladden	Approved by District Supervisor: Environmental Specialist	
Title: EH&S Environmental Tech	Approval Date: 8/9/12	Expiration Date: -
E-mail Address: natalie.gladden@apachecorp.com	Conditions of Approval: -	Attached <input type="checkbox"/>
Date: 07/27/12 Phone: 575-390-4186	RP-6-14-3/06	

\* Attach Additional Sheets If Necessary



HOBBS OCD

AUG 09 2012

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NEDU #102

Lea County

Unit H, 2, 21S, 37E

1582' FNL and 1582' FEL

API # 30-025-06400

Prepared by: Natalie Gladden

Apache Corporation

HOBBS OCD

AUG 09 2012

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,

A handwritten signature in dark ink, appearing to read "Natalie Gladden". The signature is fluid and cursive, with the first name "Natalie" written in a larger, more prominent script than the last name "Gladden".

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

On January 17<sup>th</sup> 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.

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☒ Initial Report ☐ Final Report

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Address P.O. Box 1849 Eunice, NM 88231	Telephone No. 575-390-4186
Facility Name NEDU #102	Facility Type Injection Well

Surface Owner McCasland	Mineral Owner St of NM	Lease No. 30-025-06400
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Describe Area Affected and Cleanup Action Taken.\*

Site will be deleniated and the chloride levels will be taken to 250-ppm. Once that is obtained, location will be backfill and a closure document will be submitted.

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: 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Natalie Gladden		Approved by District Supervisor:	
Title: EH&S Environmental Tech		Approval Date:	Expiration Date:
E-mail Address: natalie.gladden@apachecorp.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 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 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



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: 04/12/10  
Project Owner: NOT GIVEN  
Project Name: NEDU 102  
Project Location: NOT GIVEN

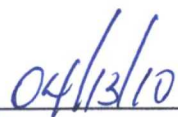
Analysis Date: 04/12/10  
Sampling Date: 03/14/10  
Sample Type: SOIL  
Sample Condition: INTACT @ 13°C  
Sample Received By: AB  
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl <sup>-</sup> (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 Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods 4500-Cl<sup>-</sup>B

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

  
Chemist

  
Date

H19633 APACHE

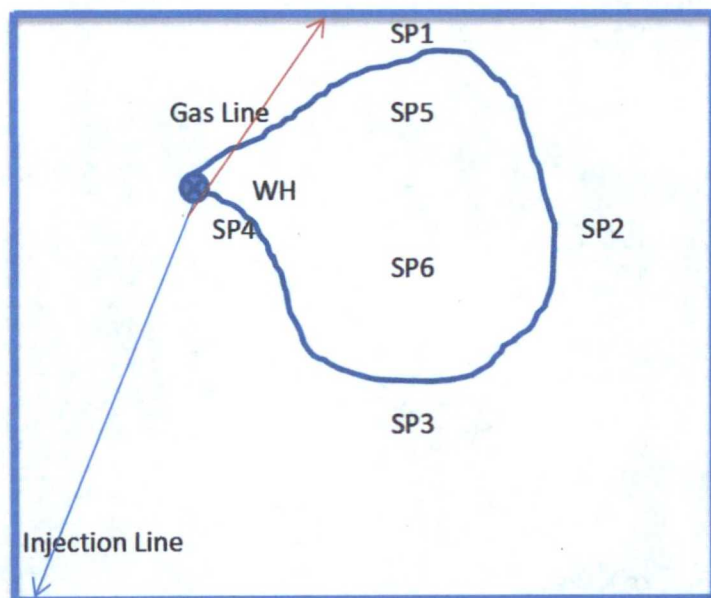
PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived 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.





NEDU #102

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