

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
100 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

RECEIVED

APR 2 / 2010

HOBBSOCD

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 WBDU Cntl Bty (near WBDU #63)	Facility Type Battery
Surface Owner Deck	Mineral Owner State
Lease No. 30-025-38267	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	16	21S	37E	110	From north line	1195	From west line	Lea

Latitude _____ Longitude _____

WTR 25'

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 400	Volume Recovered 380
Source of Release Injection line	Date 1/2/09	Date 1/2/09
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Buddy Hill	
By Whom? Natalie Gladden	Date and Hour 1/2/09 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.*

Describe Cause of Problem and Remedial Action Taken.*

Injection line leak. This is a new line going to the new WBDU Central Tank Battery. There are two trenches that are dug out and uncovered, all fluid remained inside these two trenches. A vacuum truck was called out and recovered 380bbls of fluid.

Describe Area Affected and Cleanup Action Taken.*

Site was remediated to NMOCD Guidelines.

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: <i>NG</i>	OIL CONSERVATION DIVISION	
Printed Name: Natalie Gladden	<i>[Signature]</i> Approved by District Supervisor ENVIRONMENTAL ENGINEER	
Title: EH&S Environmental Tech	Approval Date: 4.28.10	Expiration Date: _____
E-mail Address: natalie.gladden@apachecorp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 03/09/10	Phone: 575-390-4186	IRP# 09.1.2058

Attach Additional Sheets If Necessary

District I
625 N. French Dr., Hobbs, NM 88240
District II
301 W Grand Avenue, Artesia, NM 88210
District III
000 Rio Brazos Road, Aztec, NM 87410
District IV
St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised October 10, 2003

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Surface Owner Deck	Mineral Owner State
	FPI Lease No. 30-025-38267

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Injection line leak. This is a new line going to the new WBDU Central Tank Battery. There are two trenches that are dug out and uncovered, all fluid remained inside these two trenches. A vacuum truck was called out and recovered 380bbbls of fluid

Describe Area Affected and Cleanup Action Taken.*
Site will be remediated to NMOCD Guidelines.

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: <i>Natalie Gladden</i>	OIL CONSERVATION DIVISION	
Printed Name: Natalie Gladden	<i>J. Johnson</i> Approved by District Supervisor ENVIRONMENTAL ENGINEER	
Title: EH&S Environmental Tech	Approval Date: 1-22-09	Expiration Date: 3-22-09
E-mail Address: natalie.gladden@apachecorp.com	Conditions of Approval	Attached <input type="checkbox"/>
Date: 1/9/09 Phone: 575-390-4186		IRP# 09-01-2058

Attach Additional Sheets If Necessary



RECEIVED
APR 27 2010
HOBBSOCD

WBDU Central Tank Battery
(Nearest Well – WBDU #63)

Lea County

Unit D, S16, T21S, R37E

110' FNL and 1195' FWL

API# 30-025-38267

IRP#09-01-2058

Release Date: 01/02/2009

Prepared by: Natalie Gladden

Apache Corporation



Dear Larry,

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 WBDU Central Tank Battery.

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

Sincerely,



Natalie Gladden

EH&S Environmental Tech

Permian West and South Districts



The purpose of this report is to document the clean up 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 2nd 2009, an injection line leak was found at the WBDU Central Tank Battery. This is a new facility and was in the process of constructing the battery, frac tanks were set in the mean time. The trenches were still open where the injection line had just been laid. Due to freezing weather, the trenches were filled with approximately 400bbls of produced water. Vacuum trucks were dispatched immediately and recovered approximately 380bbls of produced water.

The contaminated soil was excavated, 970 cu yards of contaminated soil was hauled to Sundance Disposal. Due to having a large amount of fresh water going through the injection lines, the contamination was very minimal. Final samples of the bottom of the trenches and sidewalls were taken to Cardinal Lab for confirmation. The line was replaced and the trenches were backfilled.

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 WBDU Central Tank Battery release.



ARDINAL LABORATORIES

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

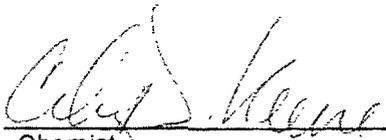
Receiving Date: 02/02/09
Reporting Date: 02/03/09
Project Number: NOT GIVEN
Project Name: INJECTION LEAK
Project Location: WBDU BTY

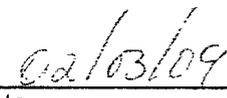
Analysis Date: 02/03/09
Sampling Date: 01/09/09
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: ML
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl ⁻ (mg/kg)
H16798-1	SP 1	< 16
H16798-2	SP 2	< 16
H16798-3	SP 3	< 16
H16798-4	SP 4	< 16
H16798-5	SP 5	192
H16798-6	SP 6	32
H16798-7	SP 7	< 16
H16798-8	SP 8	< 16
H16798-9	SP 9	48
H16798-10	SP 10	32
H16798-11	SP 11	32
H16798-12	SP 12	32
H16798-13	SP 13	32
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods 4500-ClB

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


Chemist


Date

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

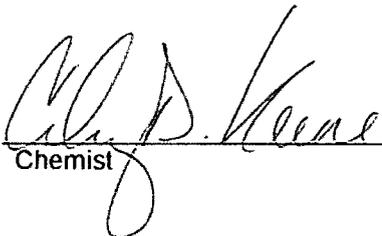
Receiving Date: 02/02/09
Reporting Date: 02/03/09
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NEDU #150

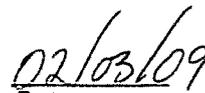
Analysis Date: 02/03/09
Sampling Date: 01/22/09
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: ML
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl ⁻ (mg/kg)
H16798-14	SP 14	32
H16798-15	SP 15	32
H16798-16	SP 16	32
H16798-17	SP 17	32
H16798-18	SP 18	32
H16798-19	SP 19	32
H16798-20	SP 20	32
H16798-21	SP 21	32
H16798-22	SP 22	32
H16798-23	SP 23	32
H16798-24	SP 24	32
H16798-25	SP 25	32
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-Cl ⁻ B
--------------------------	------------------------

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


Chemist


Date



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 Fax (575) 393-2476

Company Name: <u>Apache Corp</u>		BILL TO		ANALYSIS REQUEST																																																																																																																																																																		
Project Manager: <u>Natalie Gladden</u>		P.O. #:		<table border="1"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>																																																																																																																																																																		
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City: <u>Eunice</u> State: <u>NM</u> Zip: <u>88231</u>		Attn:																																																																																																																																																																				
Phone #: <u>390 4180</u> Fax #:		Address:																																																																																																																																																																				
Project #: _____ Project Owner: _____		City:																																																																																																																																																																				
Project Name: <u>Injection Leak</u>		State: _____ Zip: _____																																																																																																																																																																				
Project Location: <u>WSDI Bldg</u>		Phone #:																																																																																																																																																																				
Sampler Name: <u>Natalie Gladden</u>		Fax #:																																																																																																																																																																				

FOR LAB USE ONLY		GRAB OR (C)OMP	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME	Chlorides
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER			
111678-1	SP1											1/9/07			
-2	SP2														
-3	SP3														
-4	SP4														
5	SP5														
-6	SP6														
-7	SP7														
-8	SP8														
-9	SP9														
-10	SP10														

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.

Sampler Relinquished:		Date: <u>2-2-07</u>	Received By: <u>[Signature]</u>		Phone Result: <input type="checkbox"/>	No	Add'l Phone #:
Relinquished By: <u>Natalie Gladden</u>		Time: <u>1:40</u>	Received By: <u>[Signature]</u>		Fax Result: <input type="checkbox"/>	No	Add'l Fax #:
Date: _____		Time: _____	Temp. _____		REMARKS: <u>email</u>		
Delivered By: (Circle One)		Sample Condition		CHECKED BY: <u>[Signature]</u>			
Sampler - UPS - Bus - Other:		Cool Intact					
		<input type="checkbox"/> Yes <input type="checkbox"/> No					
		<input type="checkbox"/> Yes <input type="checkbox"/> No					

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



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 Fax (575) 393-2476

Company Name: <u>Apache Corp</u>		BILL TO		ANALYSIS REQUEST											
Project Manager: <u>Natalie Gladden</u>		P.O. #:													
Address: <u>P.O. Box 1849</u>		Company:													
City: <u>Emery</u> State: <u>NM</u> Zip: <u>88231</u>		Attn:													
Phone #: <u>390-4180</u> Fax #:		Address:													
Project #: _____ Project Owner:		City:													
Project Name: <u>Injection well</u>		State: _____ Zip: _____													
Project Location: <u>W. 5th Bldg</u>		Phone #:													
Sampler Name: <u>Natalie Gladden</u>		Fax #:													

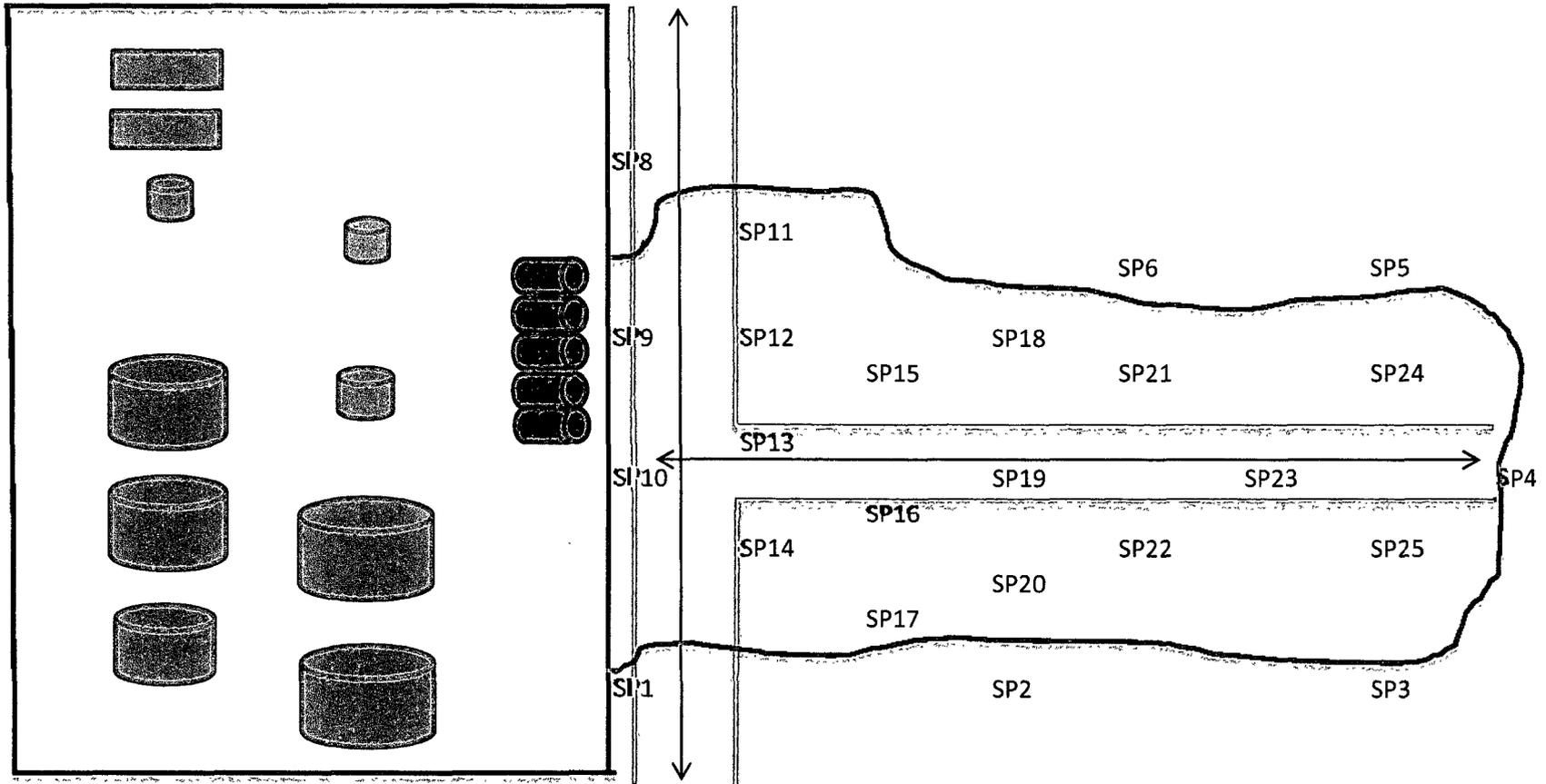
FOR LAB USE ONLY		# CONTAINERS	MATRIX					PRESERV			SAMPLING		DATE	TIME	ANALYSIS REQUEST
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER				
H16798 21	SP 21											1/7/09		Chlorides	
-22	SP 22														
-23	SP 23														
-24	SP 24														
-25	SP 25														

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Sampler Relinquished By: <u>Natalie Gladden</u>		Date: <u>2-2-09</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:		Time: <u>1:40</u>	Received By:	Fax Result: <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)		Date:	Temp.:	REMARKS: <u>email</u>	
Sampler - UPS - Bus - Other:		Time:	Sample Condition	CHECKED BY: <u>[Signature]</u>	
			Cool Intact	(Initials)	
			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

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

Apache Corporation
WBDU Central Tank Battery
Release 01/02/09



Injection Line
Trenches
Remediation

