

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

RELEASE NOTIFICATION AND CORRECTIVE ACTION

OPERATOR

Initial Report  Final Report

Name of Company Apache Corporation	Contact Natalie Gladden
Address P.O. Box 1849	Telephone No. 575-390-4186
Facility Name House SWD #1	Facility Type Injection Well

Surface Owner Apache	Mineral Owner State of NM	Lease No. 30-025-31006
----------------------	---------------------------	------------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	13	20S	38E	330'	FNL	330	FWL	Lea

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

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 150	Volume Recovered 135bbbls
Source of Release Injection line leak	09/04/09 9am	Date and Hour of Discovery 9/4/09 9am
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 9/4/09 10am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

Watercourse was Impacted, Describe Fully.\*

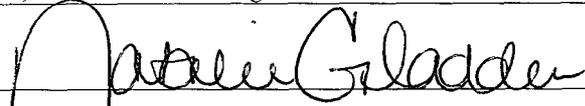
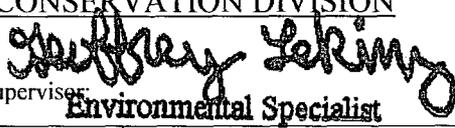
Describe Cause of Problem and Remedial Action Taken.\*

Injection line leak causing 150bbbls of produced water to be released onto location pad. Emergency response was to get injection line repaired and back on line. One call was placed and excavation of contaminated soil began.

Describe Area Affected and Cleanup Action Taken.\*

Site was remediated to 250-ppm chlorides, backfilled and put back to grade.

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: 07/26/12 Phone: 575-390-4186		RP-09-11-2328

\* Attach Additional Sheets If Necessary

JUN 23 2014



HOBBS OCD

AUG 09 2012

RECEIVED

House SWD #1

Lea County

Unit D, 13, 20S, 38E

330' FNL and 330' FWL

API #30-025-31006

Release Date: 09/04/09

Prepared by: Natalie Gladden

Apache Corporation

HOBBS OCD

AUG 09 2012

RECEIVED

Dear Geoffrey,

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 House SWD #1.

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 written in a cursive style with a large initial "N".

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 September 4<sup>th</sup> 2009, the injection line leaked due to corrosion, vibration and pressure. 150bbbls of produced water was released and 135bbbls of produced water was recovered.

The contaminated soil was excavated, 1756 cubic yards of contaminated soil was hauled to Sundance Services and 2988 cubic yards of contaminated soil was hauled to J&L Landfarm. A total of 5600 cubic yards of backfill was purchased from a local landowner.

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 Apache House SWD #1.

sent 9/4/09

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

State of New Mexico  
Energy Minerals and Natural Resources

Form C-141  
Revised October 10, 2003

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

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	Telephone No. 575-390-4186
Facility Name House SWD #1	Facility Type Injection Well

Surface Owner Apache	Mineral Owner State of NM	Lease No. 30-025-31006
----------------------	---------------------------	------------------------

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	13	20S	38E	330'	FNL	330	FWL	Lea

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

**NATURE OF RELEASE**

Type of Release Produced Water	Volume of Release 150	Volume Recovered 135bbls
Source of Release Injection line leak	09/04/09 9am	Date and Hour of Discovery 9/4/09 9am
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 9/4/09 10am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*  
Injection line leak causing 150bbls of produced water to be released onto location pad. Emergency response was to get injection line repaired and back on line. One call was placed and excavation of contaminated soil began.

Describe Area Affected and Cleanup Action Taken.\*  
Site was remediated to 250-ppm chlorides, backfilled and put back to grade.

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:	
Phone: EH&S Environmental Tech	Approval Date:	Expiration Date:
E-mail Address: natalie.gladden@apachecorp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 9/7/09 Phone: 575-390-4186		

\* Attach Additional Sheets If Necessary



# ARDINAL LABORATORIES

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

---

September 18, 2009

Roger Boone  
Environmental Plus, Inc.  
P.O. Box 1558  
Eunice, NM 88231

Re: Apache Coporation (240032)

Enclosed are the results of analyses for sample number H18266, received by the laboratory on 09/17/09 at 4:00 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 though 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: 4 (includes Chain of Custody)

Sincerely,

Celey D. Keene  
Laboratory Director

---

This report conforms with NELAP requirements.



# ARDINAL LABORATORIES

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

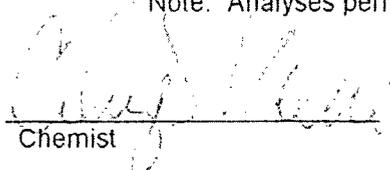
ANALYTICAL RESULTS FOR  
ENVIRONMENTAL PLUS, INC.  
ATTN: ROGER BOONE  
P.O. BOX 1558  
EUNICE, NM 88231  
FAX TO: (575) 394-2601

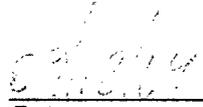
Receiving Date: 09/17/09  
Reporting Date: 09/18/09  
Project Owner: APACHE CORPORATION (240032)  
Project Name: HOUSE SWD  
Project Location: LEA COUNTY, NM

Analysis Date: 09/18/09  
Sampling Date: 09/14/09 & 09/16/09  
Sample Type: SOIL  
Sample Condition: INTACT @ 8.5°C  
Sample Received By: ML  
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl <sup>-</sup> (mg/kg)
H18266-1	SW-1B (2')	32
H18266-2	SW-3C (2')	48
H18266-3	SW-5B (2')	16
H18266-4	SW-11C (2')	< 16
H18266-5	SW-13A (2')	32
H18266-6	SW-15A (2')	32
H18266-7	SW-17D (2')	< 16
H18266-8	SW-18D (2')	16
H18266-9	SW-19A (2')	< 16
H18266-10	BH-2B (4')	< 16
H18266-11	BH-5B (4.5')	< 16
H18266-12	BH-6B (4.5')	< 16
H18266-13	BH-9A (4')	32
H18266-14	BH-13 (2')	< 16
H18266-15	BH-17B (4')	< 16
H18266-16	BH-18 (4")	16
H18266-17	BH-20 (4')	16
H18266-18	BH-21 (4')	48
H18266-19	BH-14B (4')	96
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

H18266 EPI

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.

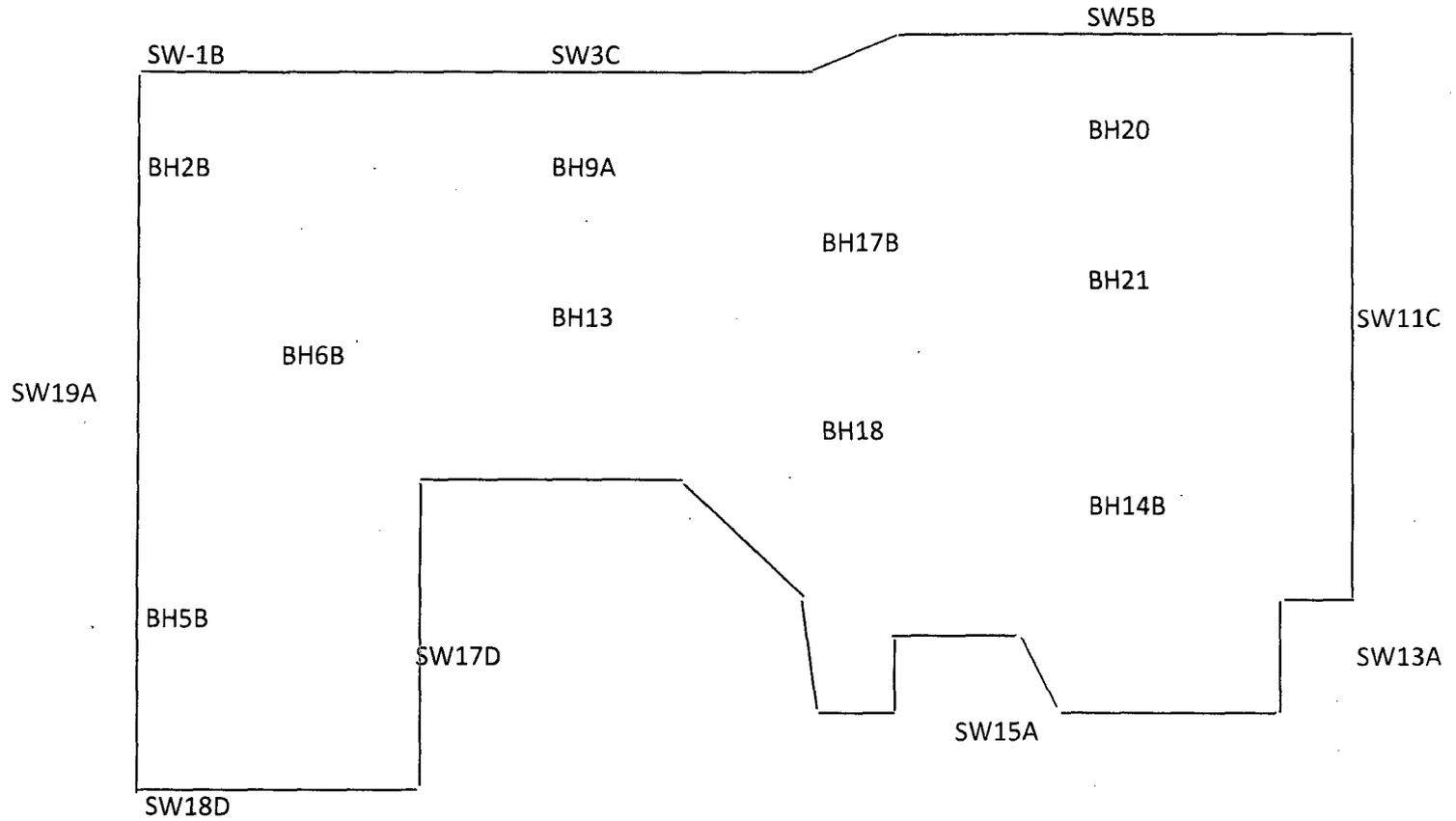




House SWD #1

9/4/2009

Samples taken by: EPI



All samples are less than 98-ppm