

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
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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
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.	

Watercourse was Impacted, Describe Fully.*

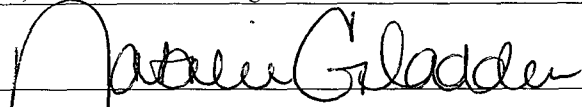

Describe Cause of Problem and Remedial Action Taken.*

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: 	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: -
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, appearing to read "Natalie Gladden". The signature is fluid and cursive, with the first name "Natalie" and last name "Gladden" clearly distinguishable.

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 4th 2009, the injection line leaked due to corrosion, vibration and pressure. 150bbls of produced water was released and 135bbls 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

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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	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
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LOCATION OF RELEASE

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Type of Release	Produced Water	Volume of Release	150	Volume Recovered	135bbls
Source of Release	Injection line leak	Date and Hour of Discovery	09/04/09 9am	Date and Hour of Discovery	9/4/09 9am
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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.			

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Signature: 	OIL CONSERVATION DIVISION		
Printed Name: Natalie Gladden	Approved by District Supervisor:		
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.



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 ⁻ (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 ⁻ 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.

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231

P.O. Box 1558, Eunice, NM 88231

(575) 394-3481 FAX: (575) 394-2601

Chain of Custody Form

LAB: Cardinal

Company Name		Environmental Plus, Inc.		Remit Invoice To:				ANALYSIS REQUEST																		
EPI Project Manager		Roger Boone		Apache Corporation Attn: Ms. Natalie Gladden P.O. Box 1849 Eunice, New Mexico 88231																						
Mailing Address		P.O. BOX 1558																								
City, State, Zip		Eunice New Mexico 88231																								
EPI Phone#/Fax#		575-394-3481 / 575-394-2601																								
Client Company		Apache Corporation																								
Facility Name		House SWD																								
Location		Lea County, New Mexico																								
Project Reference		240032																								
EPI Sampler Name		Kirt Tyree																								
LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		BTEX 8021B	TPH 8015M	CHLORIDES (Cl ⁻)	SULFATES (SO ₄ ²⁻)	pH	TCLP	OTHER >>>	PAH					
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE											TIME		
H182106-1	1 SW-1B (2')	G	1			X					X		16-Sep-09	12:15			X									
-2	2 SW-3C (2')	G	1			X					X		16-Sep-09	12:20			X									
-3	3 SW-5B (2')	G	1			X					X		16-Sep-09	8:25			X									
-4	4 SW-11C (2')	G	1			X					X		16-Sep-09	8:30			X									
-5	5 SW-13A (2')	G	1			X					X		16-Sep-09	8:35			X									
-6	6 SW-15A (2')	G	1			X					X		16-Sep-09	14:15			X									
-7	7 SW-17D (2')	G	1			X					X		16-Sep-08	13:45			X									
-8	8 SW-18D (2')	G	1			X					X		16-Sep-09	13:50			X									
-9	9 SW-19A (2')	G	1			X					X		16-Sep-09	8:55			X									
-10	10 BH-2B (4')	G	1			X					X		14-Sep-09	8:45			X									

Sampler Relinquished:		9/17/2009	Received By:		E-mail results to: natalie.gladden@apachecorp.com and rboone@envplus.net	
Relinquished by:		9/17/2009	Received By: (lab staff)			
Delivered by:		Sample Cool & Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Checked By:			

8.5°C #200

Environmental Plus, Inc.

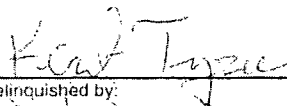
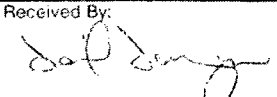
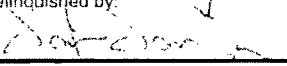
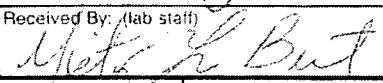

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				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE	TIME																			
H18266-11	11 BH-5B (4.5')	G	1			X					X		16-Sep-09	9:10			X																
-12	12 BH-6B (4.5')	G	1			X					X		16-Sep-09	9:15			X																
-13	13 BH-9A (4')	G	1			X					X		16-Sep-09	9:20			X																
-14	14 BH-13 (2')	G	1			X					X		14-Sep-09	8:15			X																
-15	15 BH-17B (4')	G	1			X					X		16-Sep-09	9:40			X																
-16	16 BH-18 (4")	G	1			X					X		14-Sep-09	13:45			X																
-17	17 BH-20 (4')	G	1			X					X		14-Sep-09	13:55			X																
-18	18 BH-21 (4')	G	1			X					X		16-Sep-09	9:55			X																
-19	19 BH-14B (4')	G	1			X					X		16-Sep-09	9:25			X																
20																																	

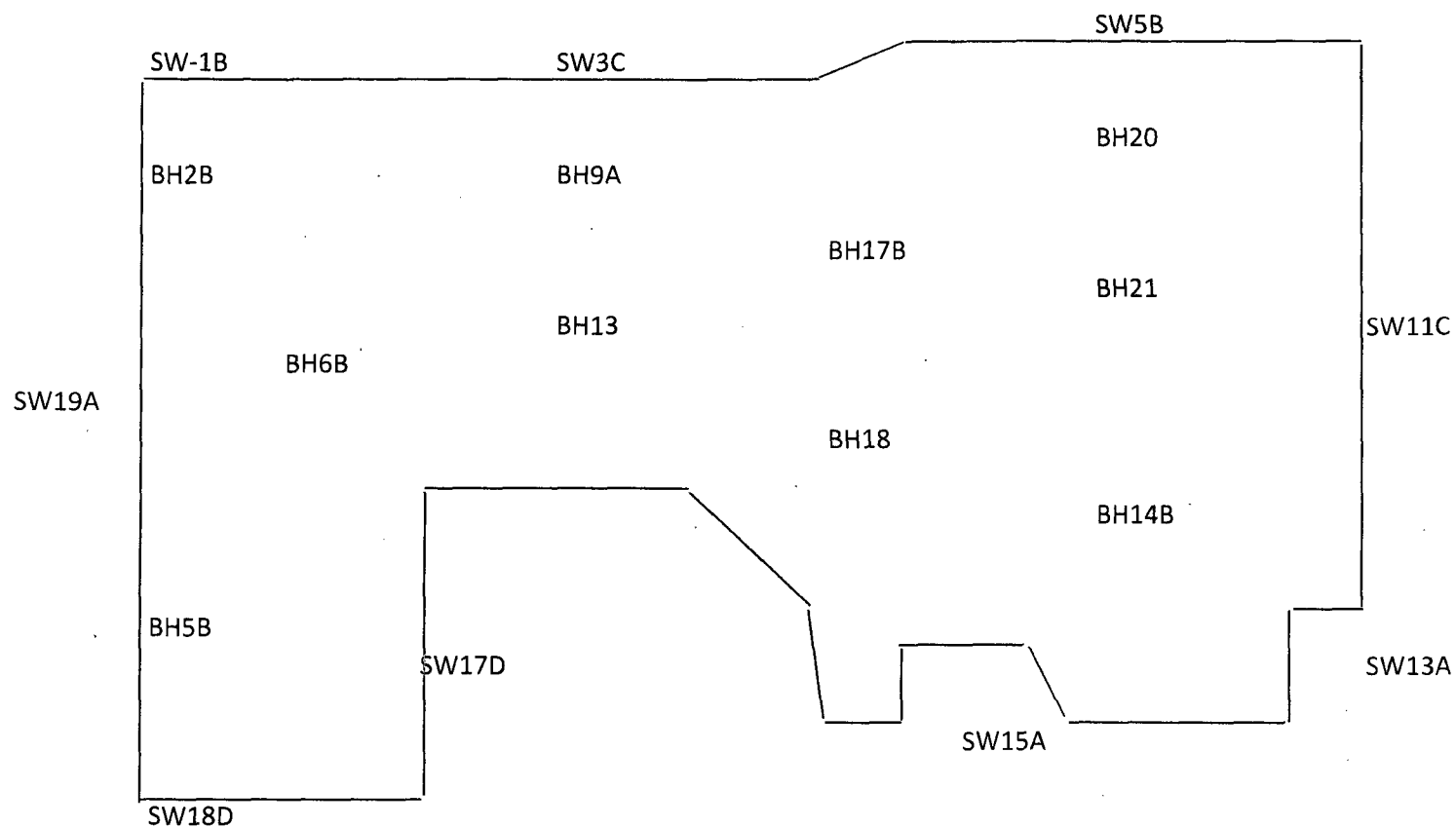
Sampler Relinquished:		9/17/2009		Received By:		E-mail results to: natalie.gladden@apachecorp.com and rboone@envplus.net	
		Time: 4:00					
Relinquished by:		9/17/2009		Received By: (lab staff)			
		Time: 4:00					
Delivered by:		Sample Cool & Intact		Checked By:			
		Yes No					

3.50 #26

House SWD #1

9/4/2009

Samples taken by: EPI



All samples are less than 98-ppm