



EXPLORING WHAT'S POSSIBLE

# APACHE CORPORATION

P.O.Box 1849  
Eunice, NM 88231  
Phone 575.394.3159

## Randy Federal Water Station (2RP-2329)

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# Termination Request

API No. 30-015-36361

Release Date: May 29<sup>th</sup>, 2014

Unit Letter G, Section 22, Township 17S, Range 30E

**October 7<sup>th</sup>, 2014**

**Mike Bratcher**

New Mexico Energy, Minerals, & Natural Resources  
Oil Conservation Division, Environmental Bureau – District 2  
811 S. First St.  
Artesia, NM 88210

**RE: Termination Request  
Apache Randy Federal Water Station (2RP-2329)  
UL/G sec. 22 T17S R30E  
API No. 30-015-36361**

Mr. Bratcher:

Apache Corporation (Apache) has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the above-referenced site.

**Background and Previous Work**

The site is located approximately 1.3 miles northeast of Loco Hills, New Mexico at UL/G sec. 22 T17S R30E. This site is located in an area of no known groundwater.

On May 29<sup>th</sup>, 2014, Apache discovered a release of produced water from a hole in the transition of a poly flow line. A total of 20 barrels of produced water was released over 218 square feet of pasture land. None of this fluid was recovered. The pump at the water station was shut in and the transition was replaced. NMOCD and BLM were informed of the release on May 30<sup>th</sup>, 2014, and an initial C-141 was sent to both agencies for approval on June 2<sup>nd</sup>, 2014. NMOCD approved the initial C-141 on June 6<sup>th</sup>, 2014 (Appendix A).

RECS personnel were on site beginning on June 20<sup>th</sup>, 2014. The release was photographed and mapped. Based on a visual inspection of the release, the release area was excavated down to 4 ft bgs. Once the excavation was completed, final wall and bottom grab samples were taken and field tested for chlorides and organic vapors (Figure 1). The wall samples were taken to a commercial laboratory for analysis (Appendix B). All wall samples returned chloride values below 250 mg/kg, except for South Wall 2 and South Wall 3, which abutted the DCP buried line. The bottom samples returned chloride field data above regulatory standards.

On July 23<sup>rd</sup>, 2014, a Path Forward was submitted to NMOCD and BLM. The Path Forward stated that since the bottom samples at 4 ft bgs did not reach chloride levels below regulatory standards, a 20-mil reinforced poly liner would be installed and properly seated into the base of the excavation. Once the liner was installed, the excavation would be backfilled with clean, imported top soil and contoured to the surrounding location. The site would then be seeded with

a blend of native vegetation. NMOCD approved the Path Forward on July 31<sup>st</sup>, 2014, and BLM verbally approved the Path Forward.

On August 25<sup>th</sup>, 2014, a 20-mil reinforced poly liner was installed and properly seated into the base of the excavation. All the excavated soil was taken to a NMOCD approved facility for disposal. Clean top soil was imported to the site to replace all soils taken for disposal. The excavation was backfilled with the clean top soil and contoured to the surrounding location. On September 15<sup>th</sup>, 2014, the site was seeded with LPC mix, and the seed was raked into the site.

Photo documentation of field activities can be found in Appendix C.

Given that Apache has completed the activities as proposed in the approved Path Forward, Apache respectfully requests 'remediation termination' and site closure. A final C-141 for the site can be found in Appendix D.

RECS appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 393-2967 or me if you have any questions or wish to discuss the site.

Sincerely,

A handwritten signature in dark ink, appearing to read 'J.C.W.' followed by a stylized flourish.

Lara Weinheimer  
Project Scientist  
RECS  
(575) 441-0431

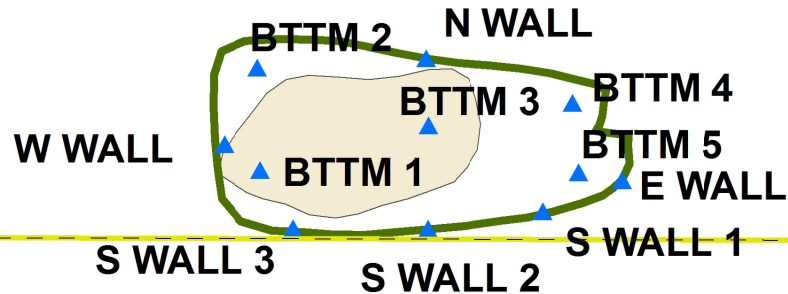
Attachments:

- Figure 1 – Excavation Data
- Appendix A – Initial C-141
- Appendix B – Final Wall Sampling Lab
- Appendix C – Photo Documentation
- Appendix D – Final C-141

# Figures

# Excavation Data

	WALL SAMPLES								
	CI-	PID	GRO	DRO	B	T	E	X	BTEX
North Wall	<16	10.8	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
East Wall	<16	6.3	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
West Wall	128	1.8	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
South Wall 1	<16	1.2							
South Wall 2	1460	5.7	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
South Wall 3	464	2							



## Legend

- BURIED DCP PIPELINE
- ▲ SAMPLE POINT
- EXCAVATION TO 4 FT
- STAIN 218 SQ FT

Landowner: BLM  
DGW: None

CI- FIELD DATA

CI- LAB DATA



**APACHE  
RANDY FEDERAL  
WATER STATION**  
UL G SECTION 22  
T-17-S R-30-E  
EDDY COUNTY, NM

Figure 1



0 10 20  
Feet

GPS date: 7/11/14 KH  
Drawing date: 7/17/14  
Drafted by: L. Weinheimer

# Appendix A

Initial C-141



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 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

JUN 02 2014

Form C-141  
Revised August 8, 2011

Submit Copy to appropriate District Office in  
NMOC District Office in Santa Fe, NM 87505  
19.15.29 NMOC.

Release Notification and Corrective Action

n HMP 1415 738305

Name of Company Apache Corporation		873	OPERATOR	<input checked="" type="checkbox"/> Initial Report	<input type="checkbox"/> Final Report
Address 8 Ellison Lane Eunice, NM 88231			Contact Bruce Baker		
Facility Name Randy Federal Water-Station (near the Randy Federal # 6 well)			Telephone No. 432-631-6982		
			Facility Type Battery		
Surface Owner BLM		Mineral Owner		API No. 30-015-36361	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	22	17S	30E	1750'	FNL	2310'	FEL	Eddy

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

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 20 barrels of water	Volume Recovered 0 barrels
Source of Release flow-line	Date and Hour of Occurrence 5/29/2014	Date and Hour of Discovery 5/29/2014 at 2:00 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Left Message for Mike Bratcher (NMOC) and Jeffery Robertson (BLM)	
By Whom? Bruce Baker	Date and Hour 5/30/2014 at 7:34 a.m. (BLM) and 9:00 a.m. (NMOC)	
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.\*

A hole in the transition on the poly flow line resulting in fluid loss. The pump at the water station was shut in and a new transition was installed.

Describe Area Affected and Cleanup Action Taken.\*

The release affected approximately 200 square feet all in pasture. The release was mapped and a field surface sample was collected.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC 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, NMOC 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

Signature: Bruce Baker

Printed Name: Bruce Baker

Title: Environmental Technician

E-mail Address: larry.baker@apachecorp.com

Date: 6/2/2014

Phone: 432-631-6982

Approved by Environmental Specialist:

Approval Date: 6/6/14

Expiration Date: NA

Conditions of Approval:

Remediation per OCD Rule & Guidelines, &  
like approval by BLM. SUBMIT REMEDIATION

PROPOSAL NO LATER THAN:

7/6/14

Attached ☐

2RP-2329

# Appendix B

Final Wall Sampling Lab

**RICE Environmental Consulting and Safety (RECS)**  
P.O. Box 2948 Hobbs, NM 88241  
Phone 575.393.2967





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

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July 16, 2014

BRUCE BAKER

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: RANDY FED. WATER STATION

Enclosed are the results of analyses for samples received by the laboratory on 07/11/14 9:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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 524.4	Regulated VOCs (V1, 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

**Analytical Results For:**

APACHE - EUNICE  
BRUCE BAKER  
P. O. BOX 1849  
EUNICE NM, 88231  
Fax To: 394-2425

Received: 07/11/2014  
Reported: 07/16/2014  
Project Name: RANDY FED. WATER STATION  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 07/10/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: NORTH WALL (H402104-01)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2014	ND	2.12	106	2.00	2.86	
Toluene*	<0.050	0.050	07/16/2014	ND	2.12	106	2.00	2.97	
Ethylbenzene*	<0.050	0.050	07/16/2014	ND	2.20	110	2.00	2.85	
Total Xylenes*	<0.150	0.150	07/16/2014	ND	6.62	110	6.00	2.45	
Total BTX	<0.300	0.300	07/16/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/14/2014	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/14/2014	ND	182	91.0	200	1.59	
DRO >C10-C28	<10.0	10.0	07/14/2014	ND	201	100	200	1.48	

Surrogate: 1-Chlorooctane 112 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

APACHE - EUNICE  
BRUCE BAKER  
P. O. BOX 1849  
EUNICE NM, 88231  
Fax To: 394-2425

Received: 07/11/2014  
Reported: 07/16/2014  
Project Name: RANDY FED. WATER STATION  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 07/10/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: EAST WALL (H402104-02)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2014	ND	2.12	106	2.00	2.86	
Toluene*	<0.050	0.050	07/16/2014	ND	2.12	106	2.00	2.97	
Ethylbenzene*	<0.050	0.050	07/16/2014	ND	2.20	110	2.00	2.85	
Total Xylenes*	<0.150	0.150	07/16/2014	ND	6.62	110	6.00	2.45	
Total BTX	<0.300	0.300	07/16/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/14/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/14/2014	ND	182	91.0	200	1.59	
DRO >C10-C28	<10.0	10.0	07/14/2014	ND	201	100	200	1.48	

Surrogate: 1-Chlorooctane 112 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 APACHE - EUNICE  
 BRUCE BAKER  
 P. O. BOX 1849  
 EUNICE NM, 88231  
 Fax To: 394-2425

 Received: 07/11/2014  
 Reported: 07/16/2014  
 Project Name: RANDY FED. WATER STATION  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 07/10/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kathy Perez

**Sample ID: WEST WALL (H402104-03)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2014	ND	2.12	106	2.00	2.86	
Toluene*	<0.050	0.050	07/16/2014	ND	2.12	106	2.00	2.97	
Ethylbenzene*	<0.050	0.050	07/16/2014	ND	2.20	110	2.00	2.85	
Total Xylenes*	<0.150	0.150	07/16/2014	ND	6.62	110	6.00	2.45	
Total BTX	<0.300	0.300	07/16/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/14/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/14/2014	ND	182	91.0	200	1.59	
DRO >C10-C28	<10.0	10.0	07/14/2014	ND	201	100	200	1.48	

Surrogate: 1-Chlorooctane 120 % 65.2-140

Surrogate: 1-Chlorooctadecane 124 % 63.6-154

**Sample ID: SOUTH WALL 1 (H402104-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/14/2014	ND	400	100	400	3.92	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

APACHE - EUNICE  
BRUCE BAKER  
P. O. BOX 1849  
EUNICE NM, 88231  
Fax To: 394-2425

Received: 07/11/2014  
Reported: 07/16/2014  
Project Name: RANDY FED. WATER STATION  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 07/10/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Kathy Perez

**Sample ID: SOUTH WALL 2 (H402104-05)**

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2014	ND	2.12	106	2.00	2.86	
Toluene*	<0.050	0.050	07/16/2014	ND	2.12	106	2.00	2.97	
Ethylbenzene*	<0.050	0.050	07/16/2014	ND	2.20	110	2.00	2.85	
Total Xylenes*	<0.150	0.150	07/16/2014	ND	6.62	110	6.00	2.45	
Total BTEx	<0.300	0.300	07/16/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1460	16.0	07/14/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/14/2014	ND	182	91.0	200	1.59	
DRO >C10-C28	<10.0	10.0	07/14/2014	ND	201	100	200	1.48	

Surrogate: 1-Chlorooctane 117 % 65.2-140

Surrogate: 1-Chlorooctadecane 118 % 63.6-154

**Sample ID: SOUTH WALL 3 (H402104-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	07/14/2014	ND	400	100	400	3.92	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
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

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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





# CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603  
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>APACH</b>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																			
Project Manager: <b>Bruce Baker</b>				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div>Chlorides</div> <div>TPH 8015 M</div> <div>BTEX</div> <div>Texas TPH</div> <div>Complete Cations/Anions</div> <div>TDS</div> </div>																			
Address:				Company:																							
City: Hobbs State: NM Zip: 88240				Attn:																							
Phone #: Fax #:				Address:																							
Project #: Project Owner:				City:																							
Project Name:				State: Zip:																							
Project Location: <b>Randy Fed. Water Station</b>				Phone #:																							
Sampler Name: <b>Kyle Humphrey</b>				Fax #:																							
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING													
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE/COOL OTHER:		DATE TIME													
<b>H402104</b>																											
<b>1</b>		<b>North wall</b>		<b>5</b>		<b>1</b>								<b>7-10-14 5:00</b>													
<b>2</b>		<b>East wall</b>		<b>6</b>		<b>1</b>								<b>7-10-14 5:05</b>													
<b>3</b>		<b>West wall</b>		<b>6</b>		<b>1</b>								<b>7-10-14 5:10</b>													
<b>4</b>		<b>South wall 1</b>		<b>6</b>		<b>1</b>								<b>7-10-14 5:15</b>													
<b>5</b>		<b>South wall 2</b>		<b>6</b>		<b>1</b>								<b>7-10-14 5:20</b>													
<b>6</b>		<b>South wall 3</b>		<b>6</b>		<b>1</b>								<b>7-10-14 5:25</b>													

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.

Relinquished By: <b>Kyle Humphrey</b>		Date: <b>7/11/14</b>		Received By: <b>Kathy Perry</b>		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:	
		Time: <b>9:29</b>				Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:  email results Knorman@rice-ecs.com KJones@riceswd.com; jkamplain@rice-ecs.com hconder@rice-ecs.com; Lweinheimer@rice-ecs.com Khumphrey@rice-ecs.com sedwards@rice-ecs.com, lflores@rice-ecs.com			
		Time:							
Delivered By: (Circle One)				Sample Condition		CHECKED BY:			
Sampler - UPS - Bus - Other: <b>- 3.8° #54</b>				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>CP</b>			

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



# Appendix C

Photo Documentation

**RICE Environmental Consulting and Safety (RECS)**  
P.O. Box 2948 Hobbs, NM 88241  
Phone 575.393.2967

# Apache Randy Federal Water Station

## Unit G, Section 22, T-17-S, R-30-E



Initial release area, facing northeast

6/20/14



Initial release area, facing west

6/20/14



Line spotting with hydrovac, facing west

7/2/14



Excavating by hydrovac to 4 ft bgs, facing west

7/3/14





Continue to excavate to 4 ft bgs by backhoe, facing east  
7/10/14



Exporting soil, facing southeast  
7/10/14



Installing liner, facing west  
8/25/14



Liner installed, facing west  
8/25/14



Backfilling site, facing southwest

8/25/14



Importing soil, facing southwest

8/25/14



Backfilling completed, facing west

9/15/14



Raking site prior to seeding, facing west

9/15/14





Seeding site, facing north

9/15/14



Raking seed into soil, facing north

9/15/14



Site completed, facing east

9/15/14



Site completed, facing southwest

9/15/14

# Appendix D

Final C-141

**RICE Environmental Consulting and Safety (RECS)**  
P.O. Box 2948 Hobbs, NM 88241  
Phone 575.393.2967

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 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

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report ☒ Final Report

Name of Company Apache Corporation	Contact Bruce Baker
Address 2350 W Marland Street, Hobbs, NM 88240	Telephone No. (432) 631-6982
Facility Name Randy Federal Water Station (near the Randy Federal #6 well)	Facility Type Battery

Surface Owner BLM	Mineral Owner	API No. 30-015-36361
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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
G	22	17S	30E	1750'	FNL	2310'	FEL	Eddy

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

**NATURE OF RELEASE**

Type of Release Produced Water	Volume of Release 20 barrels of water	Volume Recovered 0 barrels
Source of Release flow-line	Date and Hour of Occurrence 5/29/2014	Date and Hour of Discovery 5/29/2014 at 2:00 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Left Message for Mike Bratcher (NMOCD) and Jeffery Robertson (BLM)	
By Whom? Bruce Baker	Date and Hour 5/30/2014 at 7:34 a.m. (BLM) and 9:00 a.m. (NMOCD)	
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.\*

A hole in the transition on the poly flow line resulting in fluid loss. The pump at the water station was shut in and a new transition was installed.

Describe Area Affected and Cleanup Action Taken.\* The release covered 218 square feet of pasture land. RECS personnel were on site beginning on June 20<sup>th</sup>, 2014. The release was photographed and mapped. Based on a visual inspection of the release, the release area was excavated down to 4 ft bgs. Once the excavation was completed, final wall and bottom grab samples were taken and field tested for chlorides and organic vapors. The wall samples were taken to a commercial laboratory for analysis. All wall samples returned chloride values below 250 mg/kg, except for South Wall 2 and South Wall 3, which abutted the DCP buried line. The bottom samples returned chloride field data above regulatory standards. On July 23<sup>rd</sup>, 2014, a Path Forward was submitted to NMOCD and BLM. NMOCD approved the Path Forward on July 31<sup>st</sup>, 2014, and BLM verbally approved the Path Forward. On August 25<sup>th</sup>, 2014, a 20-mil reinforced poly liner was installed and properly seated into the base of the excavation. All the excavated soil was taken to a NMOCD approved facility for disposal. Clean top soil was imported to the site to replace all soils taken for disposal. The excavation was backfilled with the clean top soil and contoured to the surrounding location. On September 15<sup>th</sup>, 2014, the site was seeded with LPC mix, and the seed was raked into the site.

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>Bruce Baker</i>		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Bruce Baker		Approved by Environmental Specialist:	
Title: Environmental Technician	Approval Date:	Expiration Date:	
E-mail Address: larry.baker@apachecorp.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 10-7-14	Phone: (432) 631-6982		

\* Attach Additional Sheets If Necessary