EXPLORING WHAT'S POSSIBLE



APACHE CORPORATION

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

Roadrunner Federal #1

Closure Report 2RP-1195

API 30-015-36440

Release Date: June 9, 2012

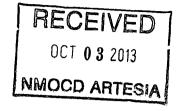
Unit Letter J, Section 5, Township 17S, Range 31E

Rice Environmental Consulting & Safety

P.O. Box 5630 Hobbs, NM 88241 Phone 575.393.4411 Fax 575.393.0293

June 3rd, 2013

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 – Roadrunner Federal #1 AD UL/J sec. 5 T17S R31E API No. 30-015-36440 2RP-1195

Mr. Bratcher:

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

Background and Previous Work

The site is an accidental discharge of oil and produced water associated with the Roadrunner Federal #1. A ¼ inch valve on a pumping tee was opened by roaming livestock and released fluids onto a lease road and pasture land. The valve handle was removed and standing fluids were recovered. An initial form C-141 was submitted by Apache Corporation on June 25, 2012 (Appendix A). The site is located approximately 6 miles northeast of Loco Hills, in unit letter 'J' of section 5, T17S, R31E in Eddy County, New Mexico.

On June 11, 2012, RECS personnel initiated work on the Roadrunner Federal #1 (Figure 1). Surface soil samples were collected and field tested for chloride. Headspace measurements were also taken in the field using a Photo Ionization Detector (PID). The samples were submitted to a commercial laboratory for chloride and TPH (GRO/DRO) analyses (Appendix B). Chloride ranged from 80 to 3,240 mg/kg, GRO ranged from 3,550 to 4,960 mg/kg, and DRO ranged from 21,000 to 33,700 mg/kg.

The leak area on the caliche pad was excavated to 1.5 ft. bgs (Figure 2). On June 28, 2012, RECS personnel collected and field tested a representative composite sample from the bottom of the 1.5 ft. excavation. This sample was taken to a commercial laboratory, which returned results of non-detect for chlorides and TPH.

The leak area in the pasture was excavated to 1 ft. bgs. On July 2, 2012, RECS personnel collected and field tested a representative composite sample from the bottom of the 1.5 ft.

excavation. The sample was taken to a commercial laboratory, which returned results of nondetect for chlorides and TPH.

Impacted soils were removed from the excavation and transported to a NMOCD approved disposal facility. The excavation in the pasture area was backfilled with clean imported topsoil and contoured to the surrounding area. The excavation on the well pad was backfilled with clean imported caliche and leveled. See Appendix C for photographs of field activities.

Conclusion

Due to the complete removal of impacted soils, Apache submits the final C-141 (Appendix D) and respectfully requests the closure of the regulatory file for this site.

Apache Corporation appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 631-6432 if you have any questions or comments.

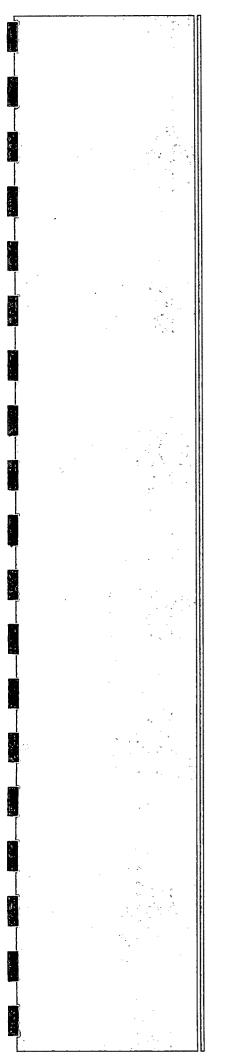
Sincerely,

AC.W-

Lara Weinheimer Project Scientist RECS (575) 441-0431

Attachments:

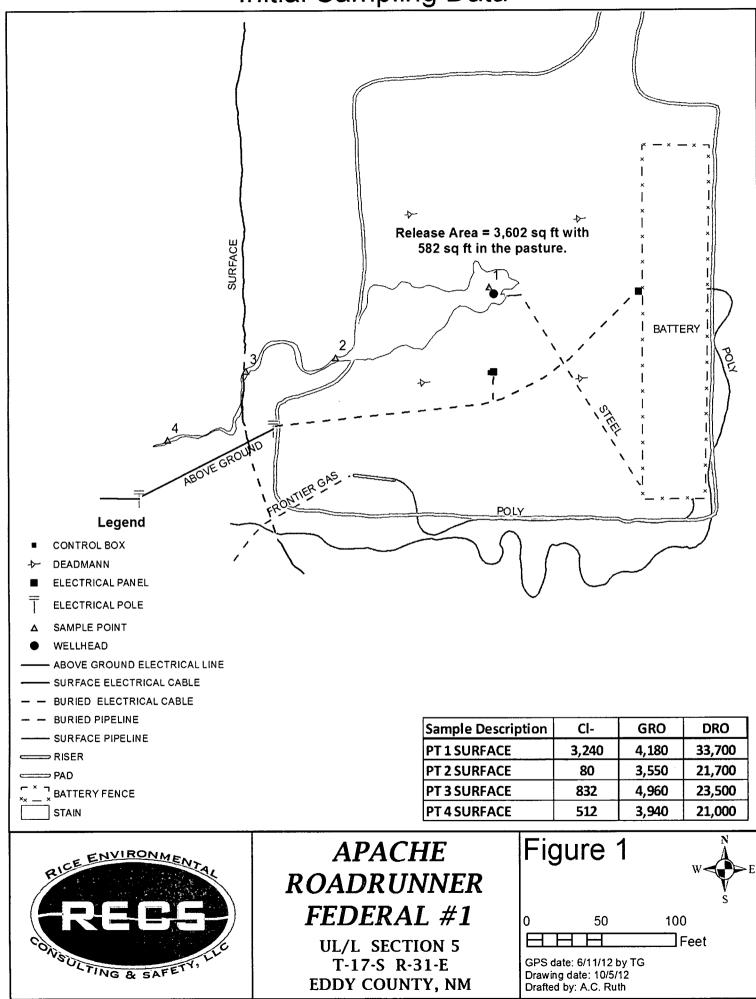
Figure 1:	Site Plat with Initial Sampling Lab Data
Figure 2:	Site Plat with Final Sampling Lab Data
Appendix A:	Initial Form C-141
Appendix B:	Laboratory Analyses
Appendix C:	Photo Documentation
Appendix D:	Final Form C-141



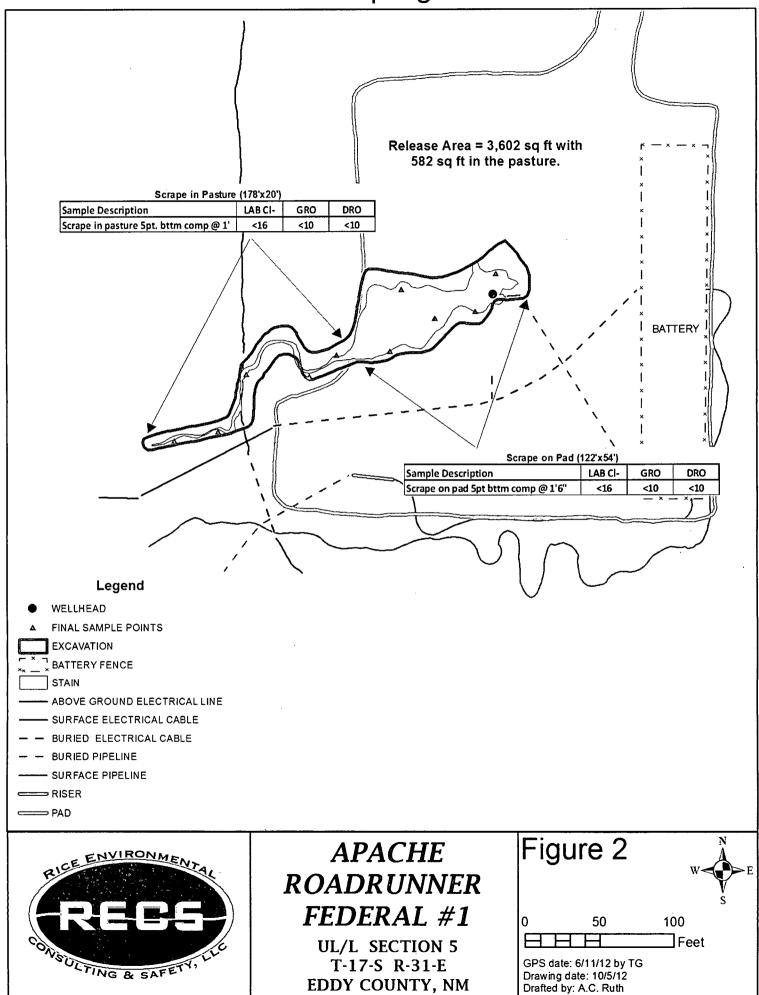
Figures

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

Initial Sampling Data



Final Sampling Data



Appendix A Initial 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
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St. Francis Dr., Santa Fe, NM 87505

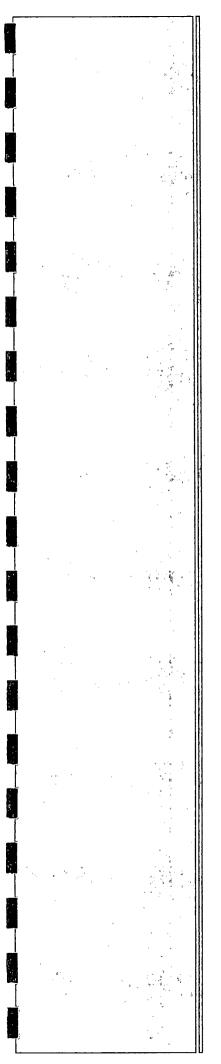
State of New Mexico Energy Minerals and Natural Resources

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

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

	Release Notification and Corrective Action											
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E-mail Addro	ess: natalie	gladden@apa	checorp.c	<u>om</u>		Conditions of	f Approval:	•	, -	Attached		
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Appendix B Laboratory Analyses

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



June 14, 2012

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: ROADRUNNER FEDERAL 1 A.D.

Enclosed are the results of analyses for samples received by the laboratory on 06/12/12 7:58.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

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

Received:	06/12/2012	Sampling Date:	06/11/2012
Reported:	06/14/2012	Sampling Type:	Soil
Project Name:	ROADRUNNER FEDERAL 1 A.D.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 1 SURFACE (H201310-01)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3240	16.0	06/14/2012	ND	416	104	400	3.92		
TPH 8015M	mg/kg		Analyzed By: MS						S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	4180	200	06/13/2012	ND	197	98.3	200	14.0		
DRO >C10-C28	33700	200	06/13/2012	ND	195	97.4	200	19.4		
Surrogate: 1-Chlorooctane	285	% 65.2-14	0							
Surrogate: 1-Chlorooctadecane	417	% 63.6-15	4							

Sample ID: PT. 2 SURFACE (H201310-02)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/14/2012	ND	416	104	400	3.92		
TPH 8015M	mg/kg		Analyzed By: MS						S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	3550	100	06/13/2012	ND	197	98.3	200	14,0		
DRO >C10-C28	21700	100	06/13/2012	ND	195	97.4	200	19.4		
Surrogate: 1-Chlorooctane	483	% 65.2-14	0							
Surrogate: 1-Chlorooctadecane	316	% 63.6-15	4							

Cardinal Laboratories

*=Accredited Analyte

PEASE NOTE: Liability and Damages. Cardinal's liability and clent's exclusive remedy for any claim ansing, 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 successions arising out of or related to the performance 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 contractions.

Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	06/12/2012	Sampling Date:	06/11/2012
Reported:	06/14/2012	Sampling Type:	Soil
Project Name:	ROADRUNNER FEDERAL 1 A.D.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 3 SURFACE (H201310-03)

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Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	06/14/2012	ND	416	104	400	3.92		
ТРН 8015М	mg/kg		Analyzed By: MS						S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	4960	100	06/13/2012	ND	197	98.3	200	14.0		
DRO >C10-C28	23500	100	06/13/2012	ND	195	97.4	200	19.4		
Surrogate: 1-Chlorooctane	334	% 65.2-14	0							
Surrogate: 1-Chlorooctadecane	330	% 63.6-15	4							

Sample ID: PT. 4 SURFACE (H201310-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	06/14/2012	ND	416	104	400	3.92		
ТРН 8015М	mg/kg		Analyzed By: MS						S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	3940	100	06/13/2012	ND	197	98.3	200	14.0		
DRO >C10-C28	21000	100	06/13/2012	ND	195	97.4	200	19.4		
Surrogate: 1-Chlorooctane	273	% 65.2-14	0							
Surrogate: 1-Chlorooctadecane	308	% 63.6-15	4							

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

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

Company Name	* Apache				·	BI	LL TO	4. 1,111. 1.1. 1.1.				1	ANAL	YSIS	RE	QUE	ST		
Project Manage	r: Natalie Gladden				P.O	D. #:													
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service. In no event shall Cardinal be fiable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries affiliate an excension and or instance stated tensors or otherwise by Cardinal reparties of whether such chiralis based upon any of the above stated tensors or otherwise

Relinquished By: January 1. Juni	Date: 6 /12/12 Rec 2022-40 Time: 7 3 2	Cay	Phone Result: □ Yes ☑ No Add'I Phone #: Fax Result: □ Yes ☑ No Add'I Fax #: REMARKS:
Relinquished By: Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Date 17/17 Rec 0/17/17 Time: 58	Sample Condition CHECKED BY: Cool Intact (Initials) Pres Pres	email results Natalie.Gladden@usa.apachecorp.com; Zconder@rice-ecs.com; Bbaker@rice-ecs.com; hconder@rice-ecs.com; Lweinheimer@rice-ecs.com

† Cardinal cannot accept verbal changes. Please fax written changes to 505-39302476 ー本 てん



July 06, 2012

NATALIE GLADDEN APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: ROADRUNNER FEDERAL 1 A.D.

Enclosed are the results of analyses for samples received by the laboratory on 07/03/12 9:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

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

Received:	07/03/2012	Sampling Date:	06/28/2012
Reported:	07/06/2012	Sampling Type:	Soil
Project Name:	ROADRUNNER FEDERAL 1 A.D.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SCRAPE ON PAD 5 PT BTM COMP (H201499-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/05/2012	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: AM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/06/2012	ND	184	92.1	200	2.79	
DRO >C10-C28	<10.0	10.0	07/06/2012	ND	192	95.8	200	3.92	
Surrogate: 1-Chlorooctane	75.1	% 65.2-14	0			· · · ·			
Surrogate: 1-Chlorooctadecane	94.3	% 63.6-15	4						

Sample ID: SCRAPE IN PASTURE 5 PT BTM COMP (H201499-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/05/2012	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: AM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/06/2012	ND	184	92.1	200	2.79	
DRO >C10-C28	<10.0	10.0	07/06/2012	ND	192	95.8	200	3.92	
Surrogate: 1-Chlorooctane	77.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	98.7	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Kune

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

- ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

	(505) 393-2326 FAX (505) 393-24	76 (325) 673-7001 F	AX (325)673-7020	i								
Company Name	Правне		BILL TO				ANA		REQUES	Т		
Project Manage	" Natalie Glading	· · · · · · · · · · · · · · · · · · ·	P.O. #:									
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City:	State: NM	Zip:	Attn:				<u>j</u>					
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Project #:	Project Owner	•	City:	— ഗ	Σ	Ī	: 's					
Project Name:	Roadrunner Fideral #/		State: Zip:	Chlorides	15	BTEX Texas TPH	Cations/Anions			1		
Project Location			Phone #:	ori	8	BTEX xas TI	ati	TDS				
Sampler Name:	Darston Harnis		Fax #:	- ĬŢ	I	b X						
999)	Sample I.D. Scrape on pad 5pt bitmcomp C. 1'6" Scrape in pasture 5pt. bittm Comp C. 1'	XIXI TERM C C C	PRESERV. SAMPLING 	пме 1.90 /	TPH 8015		Complete					
analyses: All claims includir	Id Damages, Cardinal's liability and client's exclusive remedy for a ing those for negligence and any other cause whatsoever shall be d ardinal be liable for incidental or consequental damages, including	eemed waived unless made in writing an	d received by Cardinal within 30 days after comp	pletion of the applicat	de la							
	ng out of or related to the performance of services hereunder by C		is based upon any of the above stated reasons o		□ Yes	2 No	1Add9	Phone #:				
Relinquished By	7.3.1Z Time: 0800	Received By:	Fax	Result: MARKS: MARIS:	C Yes	Ø No	Add'l	Fax #:	3 USA . 1	apache	Com).
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



July 12, 2012

NATALIE GLADDEN APACHE - EUNICE P. O. BOX 1849

EUNICE, NM 88231

RE: ROADRUNNER FEDERAL 1 A.D.

Enclosed are the results of analyses for samples received by the laboratory on 07/09/12 10:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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.

Cardinal Laboratories is accreditated 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,

Lope S. Moreno

Hope Moreno . Inorganic Technical Director



Analytical Results For:

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

Received:	07/09/2012	Sampling Date:	07/06/2012
Reported:	07/12/2012	Sampling Type:	Soil
Project Name:	ROADRUNNER FEDERAL 1 A.D.	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: IMPORTED SOIL (H201551-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/10/2012	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clent's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by clent for analyses. All claims, including those for negligence and any other cause whatsoever shall be demed 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 utility to the samples defined within thirty by clent, its subsidianes, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such daim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reported except in full with written approval of Cardinal Librarianes.

Lope S. Moreno-

Hope Moreno, Inorganic Technical Director



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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clent'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 those of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reprodued except in full with written approval of Cardinal Linearatories.

Hope S. Moreno-

Hope Moreno, Inorganic Technical Director

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Company Name	3: Apache	<u></u>	(0.											1				ANA	YSIS	S RE	QUE	ST			
Project Manage	r: Matalic C-19 dem							Р.(). #																
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City:	State:	Zip	:					Att	n:			······································			1			6							
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Project Name:	Rogerunner France. #1							Sta	ate:			Zip:		les			ā	Ĩ							
Project Locatio	, <u> </u>							Ph	one	; #:				Chlorides	TPH 8015	BTEX	Texas TPH	ați	TDS						
Sampler Name:	Dall Harris							Fa	x #:					12		E E	x X	Ö							
FOR LAB USE ONLY				:	MA	TRI	X		PR	ESE	RV.	SAMPL	ING	10	ā		l G	fe							
Lab I.D. <u>H201551</u>	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME					Complete Cations/Anions							
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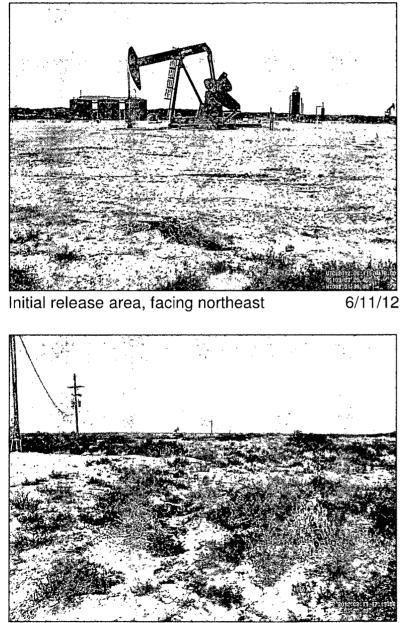
t Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#26



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

# Apache Roadrunner Federal #1 AD Unit Letter L, Section 5, T17S, R31E



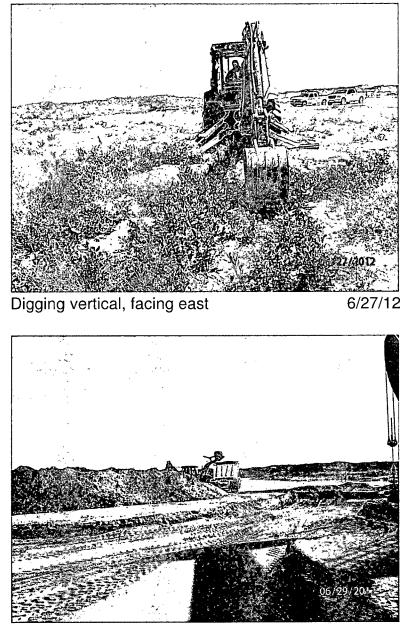
Initial release area, facing southwest

6/11/12

Initial release area, facing north 6/11/12

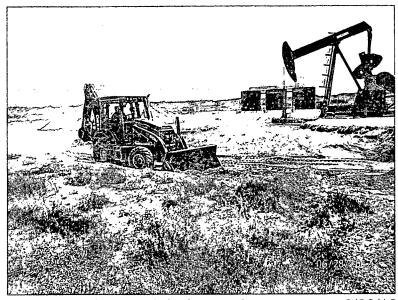
Initial release area, facing northeast

6/11/12



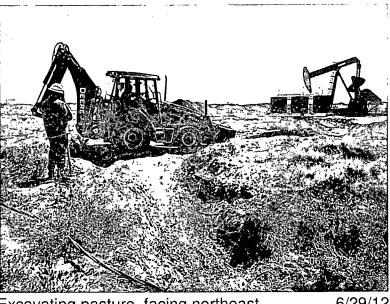
Exporting soil, facing north

6/29/12



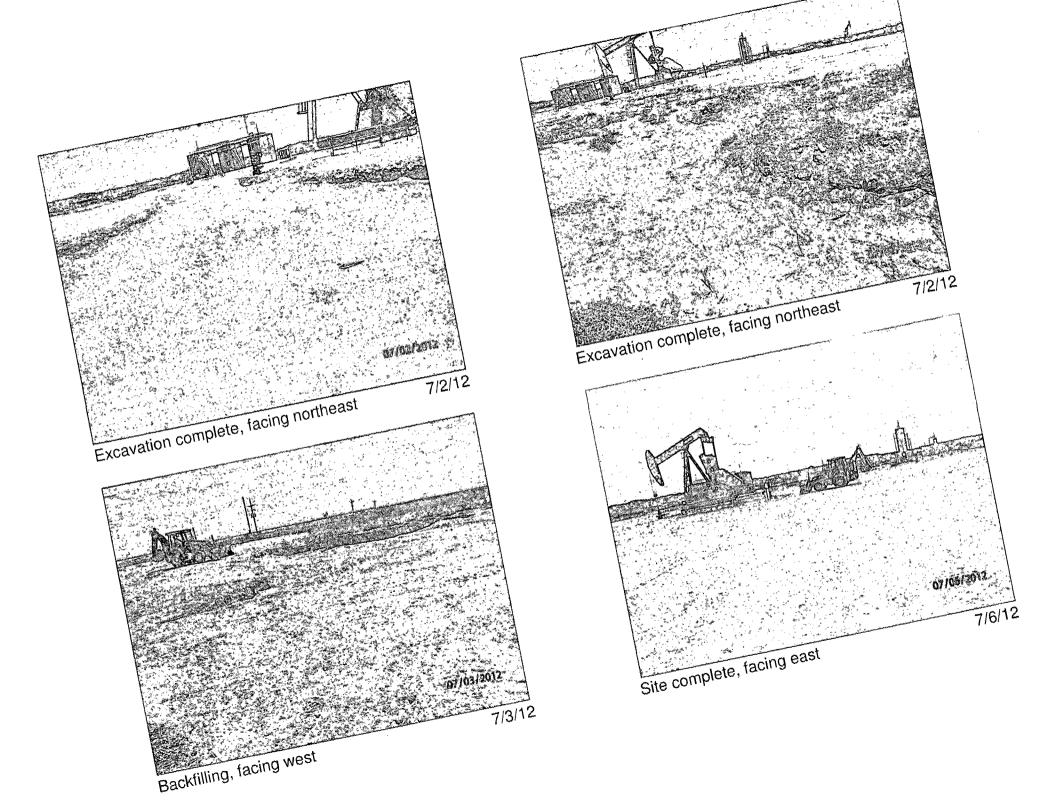
Scraping leak on pad, facing northeast

6/28/12



Excavating pasture, facing northeast

6/29/12



# Appendix D Final C-141

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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 88279 ECEIVED Stat District II 1301 W. Grand Avenue, Artesia NM 88210	te of erals	New Mexa and Natura	ico 1 Resources			Re		Form C-141 tober 10, 2003			
District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV	Soutl	vation Div 1 St. Franc e, NM 875	is Dr.			Submit 2 C District wi	Copies t Office i ith Rule	o appropriate n accordance 116 on back side of form			
Release Notifica				ction			<u> </u>				
		OPERA				al Report	$\boxtimes$	Final Repo			
Name of Company Apache Corp.			Bruce Baker	(000							
Address PO BOX 1849, Eunice, NM 88231 Facility Name Roadrunner Federal #1		Telephone M Facility Typ									
Surface Owner BLM Mineral Ov	wner	State			API No	. 30-015-3	6440				
	тю	N OF RE	LEASE								
		/South Line	Feet from the	East/V	Vest Line	County					
J 5 17S 31E 1650	FSL		1650	FEL		Eddy					
Latitude		Longitu				·•					
		OF REL									
Type of Release Oil/Water		Volume of	Release 22 bbl			Recovered					
Source of Release ¼" valve		Date and H	Hour of Occurrence	e	Date and 6/9/2012	Hour of Dis	scovery				
Was Immediate Notice Given?	avinad	If YES, To Whom? red Mike Bratcher									
By Whom? Natalie Gladden	quireu		Hour 6/15/2012	1.08 n	m						
Was a Watercourse Reached?			olume Impacting			······					
Yes X No				,							
If a Watercourse was Impacted, Describe Fully.*											
Describe Cause of Problem and Remedial Action Taken.* 1/4" valve on pumping tee was opened by cattle rubbing against it. fluids.	Valv	e handle has b	been removed. Va	acuum tr	ucks were	called in to	recover	standing			
Describe Area Affected and Cleanup Action Taken.* The leak affected a total area of 3,602 square feet including the we commercial lab for chloride and TPH analyses. The well pad leak soils were removed to a NMOCD approved disposal facility. The excavation was backfilled with clean imported soil and contoured to	area v well p	vas excavated ad leak area w	to 1.5 ft. and the j vas backfilled with	pasture l	eak area w	as excavate	d to 1 ft	. Impacted			
I hereby certify that the information given above is true and compli- regulations all operators are required to report and/or file certain re- public health or the environment. The acceptance of a C-141 repor- should their operations have failed to adequately investigate and re- or the environment. In addition, NMOCD acceptance of a C-141 r federal, state, or local laws and/or regulations.	elease rt by tl emedia	notifications a ne NMOCD n ite contaminat	nd perform correct narked as "Final R ion that pose a thr	ctive act leport" d reat to gr	ions for rel loes not rel round wate	eases which ieve the ope r, surface w	n may er crator of ater, hu	ndanger f liability man health			
			OIL CON	SERV	ATION	DIVISI	<u>NC</u>				
Signature: Bruce Baher											
Printed Name: Bruce Baker		Approved by District Supervisor:									
Title: Environmental Tech		Approval Da	ite:	Expiration Date:							
E-mail Address: larry.baker@apachecorp.com		Conditions o	of Approval:				,				
Date: $9 - 30 - 13$ Phone: (432) 631-698	2	-	••			Attached					
Attach Additional Sheets If Necessary	2					<b>L</b>					