	·	۰.		HOBE	35 OCI)				
<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, Artesia, NM 88210	Sta Energy Mir	ite of herals	of New Mexico Form C-1 Revised October 10, 2013 Revised October 10, 20							
<u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505	1220	South	uth St. Francis Dr. RECEIVED District Office in according with Rule 116 of with Rule 116 of the state of the						o appropriate n accordance 116 on back side of form	
	Release Notific	atior	n and Co	orrective A	ction					
			OPERA	FOR	[Initi	al Report	\boxtimes	Final Report	
Name of Company Apache Corp			Contact	Natalie Glad						
AddressP.O. Box 1849, EuniceFacility NameMcDonald AC 1 #			Telephone N Facility Typ							
Surface Owner Dasco Cattle Com			State of NM			I ease N	No. 30-025	08030	······	
LOCATION OF RELEASE										
Unit Letter Section Township Ra	ange Feet from the		N OF REI /South Line	Feet from the	East/W	est Line	County			
				1080	muur					
K 16 22S 36		FSL		1980	FWL		Lea			
	Latitude		Longitu	de	······ ·					
	NAT	URE	OF REL		r					
Type of Release Brine Water Source of Release Flowback			Volume of Release 400 bbl Volume Recovered 350 bbl Date and Hour of Occurrence Date and Hour of Discovery							
We have the Nutre Charles		11/3/11		1	11/3/11					
Was Immediate Notice Given?	es 🗌 No 🗌 Not Re	quired	If YES, To Geoffrey L							
By Whom? Natalie Gladden			Date and H						<u>.</u>	
Was a Watercourse Reached?	es 🛛 No		If YES, Vo	lume Impacting t	the Water	course.				
If a Watercourse was Impacted, Describe I										
,,,,,	-					mat	=250)		
Describe Cause of Problem and Remedial	Action Taken.*					DAM	-200			
During a workover on this well, the well fi	lowed back and BOP did	l not ho	old. Fluid was	recovered.						
Describe Area Affected and Cleanup Action									•••	
The leak affected the caliche pad surround a NMOCD approved disposal facility. Rep										
confirmation. The excavation was backfill	lled with clean caliche ar	nd topso	oil and contou	red to the surrour	nding area	ì .		_		
I hereby certify that the information given regulations all operators are required to rep										
public health or the environment. The acc should their operations have failed to adeq										
or the environment. In addition, NMOCD	acceptance of a C-141 n									
federal, state, or local laws and/or regulation	ons.			OIL CON	SERV	ATION	DIVISIO	<u>NI</u>		
Signature: Attilie	fladder			S	Pert	Ser	s Se	Ri	W~	
Printed Name: Natalie Gladden			Approved by	District Supervis		ironme	Ontal Spe	cialis		
Title: EH&S Environmental Tech			Approval Dat	e: 10/10/13	E	xpiration	· · · ^		·····	
E-mail Address: Natalie.gladden@apac	checorp.com		Conditions of							
				**			Attached			
Date:	Phone: (575) 390-4186				•••	÷.	IDP IA		-2975	

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JUN 17 2014

NSAD 1416451069

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nache

EXPLORING WHAT'S POSSIBLE

APACHE CORPORATION

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

McDonald AC 1 #10

Closure Report

API 30-025-08930

Release Date: November 3, 2011

Unit Letter K, Section 16, Township 22S, Range 36E

Rice Environmental Consulting & Safety 1

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

May 3, 2012

Geoffrey Leking New Mexico Energy, Minerals, & Natural Resources Oil Conservation Division, Environmental Bureau – District 1 1625 N. French Dr. Hobbs, NM 88240-9273

RE: TERMINATION REQUEST Apache – McDonald AC 1 #10 AD UL/K sec. 16 T22S R36E API No. 30-025-08930

Mr. Leking:

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 brine fluids associated with the McDonald AC 1 #10. During a workover procedure, the well flowed back and the blow out preventer failed to contain the overflow. Fluids were released onto the well pad, two areas of pasture land, and a lease road to the south. Standing fluids were recovered. An initial form C-141 was submitted by Apache Corporation on November 4, 2011 (Appendix A). The site is located southwest of Eunice, in unit letter 'K' of section 16, T22S, R36E in Lea County, New Mexico.

On November 4, 2011, RECS personnel initiated work on the McDonald AC 1 #10. Soil samples were collected from the site as excavation of the leak proceeded and field tested for chloride (Figure 1). Initial samples were submitted to a commercial laboratory for chloride analysis. The samples ranged from 1,760 ppm (parts per million or mg/kg) to 21,600 ppm (Appendix C).

On November 18, 2011, RECS personnel collected and field tested soil samples from the excavated areas (Figure 2). Representative grab samples were collected from the walls and bottoms of all excavations, and submitted to a commercial laboratory for chloride analysis. Chloride did not exceed 128 ppm in all samples (Appendix C).

Impacted soils were removed from the excavations and transported to a NMOCD approved disposal facility. The well pad and lease road excavations were backfilled with clean imported caliche and contoured to the surrounding area. The pasture area excavations were backfilled

with clean imported topsoil and similarly contoured. See Appendix B 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 Natalie Gladden (575) 390-4186 if you have any questions or comments.

Sincerely,

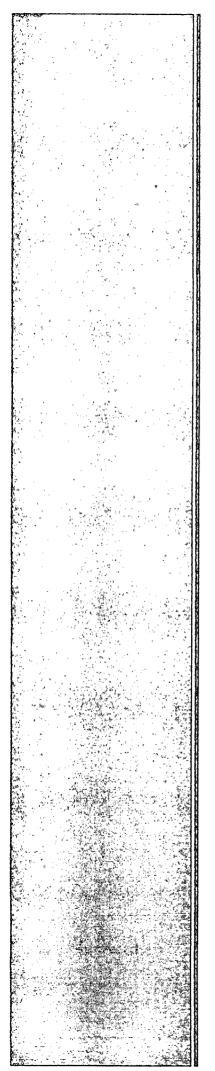
Bruce Baher

Bruce Baker Head Foreman RECS (575) 631-5157

Attachments:

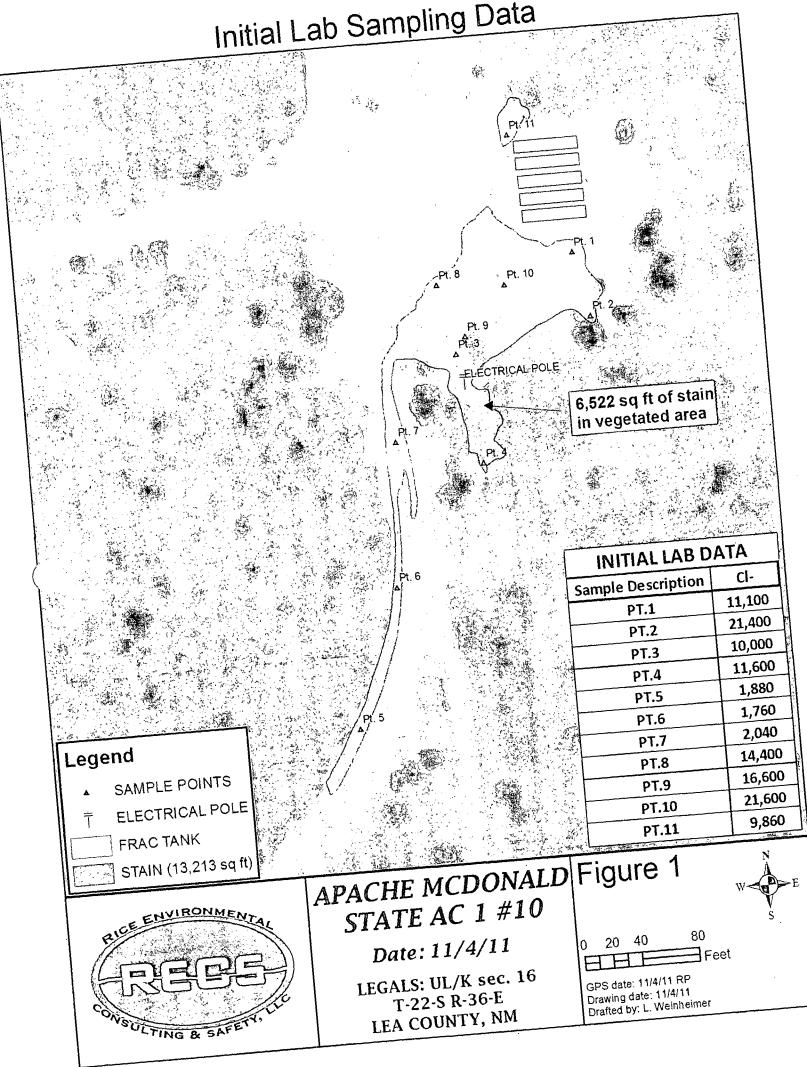
Figure 1: Site Plat including Initial Lab Data
Figure 2: Site Plat including Final Excavation Lab Data
Appendix A: Initial Form C-141
Appendix B: Site Photographs
Appendix C: Laboratory Results
Appendix D: Final Form C-141

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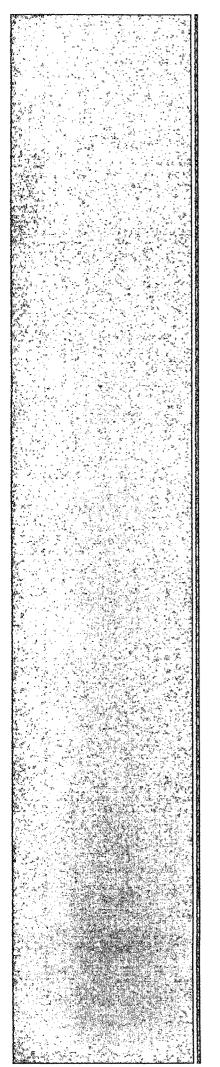
Figures

RICE Environmental Consulting and Safety (RECS) P.O. Box 5630 Hobbs, NM 88241 Phone 575.393.4411 Fax 575.393.0293



Final Excavation Sampling Data

(Trees)			ation	Cum	ping Da		··· 4 . * 9
FINAL LAB DAT	A		,	·.	م. م		
Sample Description	Cl-				4	North scrap	211
North scrape North wall	48 55		1. 4			45' x 26' x 1	Alter
North scrape South wall	48	σι	5.×		\mathbb{N}		
North scrape East wall	<16						
North scrape West wall	16		l scrape		V		. i ta kari
North scrape 5 pt. comp	48	73')	(94' x 6"		· [ي ٿي آهن. جي سن ج
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			N.	· · · · · · · · · · · · · · · · · · ·			
Pt 5	, 6, 7 scra	pe		-0			
	4' x 28' x 6			r#-9			
			ſ.				and the second s
FINAL LAB DAT	<u> </u>						
Sample Description	A CI-		112				
PT.5 @ 6"	128						
PT.6@6"	128					Excavation of	
PT.7@6"	48		₩ .PI .7		Land and and	155' x 108'	
Contraction of the second second					S		
FINAL LAB DAT				K		and a franciscus and a second se	
Sample Description	Cl-						
Pad @ 6" 5 pt bottom	32				FINZ	LAB DATA	<u>an an</u> hear and a
Pad @ 6" North wall	32		家们		Sample D		Ci-
Pad @ 6" East wall	32		影用			- North wall east	48
Pad @ 6" West wall	80 32		Pt. 6		······································	- North wall west	112
Pad @ 6" South wall	<u>32</u>					- South wall east	<16
Legend					Excavation off pad		<16
	and the second sec				Excavation off page		<16
SAMPLE POIN	TS	+			Excavation off page	d - East wall south	<16
CHEMICAL TAN	1K		1 1 3		Excavation off pad	- West wall north	32
		A.			Excavation off pad	- West wall south	32
ELECTRICAL B	OX REAL	P I	· 9		Excavation off pad	- South wall center	32
WELL HEAD	and the second sec					- 5 pt east bottom	96
						- 5 pt mid bottom	112
					Excavation off pad	- 5 pt west bottom	80
SCRAPE							
FRAC TANK		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1					
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and a sat	-					Weinheimer	
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Appendix A Initial Form C-141

RICE Environmental Consulting and Safety (RECS) P.O. Box 5630 Hobbs, NM 88241 Phone 575.393.4411 Fax 575.393.0293

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

1220 S. St. Fran	cis Dr., Santa	a Fe, NM 87505	5	Sa	inta Fe	e, NM 875	05								
			Rele	ease Notific	atior	and Co	orrective A	ction		in a substantian in ann an Anna ann an					
						OPERA	FOR		🛛 Initia	al Report		Final Report			
Name of Co	mpany N	atalie Gladd	en			Contact Na	talie Gladden								
		9 Eunice, NI				Telephone No. 575-390-4186									
to a second s		nald AC 1 #1				Facility Type Injection well									
Surface Ow	ner Dasco	Cattle Com	inany	Mineral ()wner S	State of NM			APINO	. 30-025-0	18030				
_ burlace of	ner Daset		ipany						17117110	. 50 025					
/		[N OF RE		L							
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/W	lest Line	County					
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L	L	<u> </u>	Ĺa	titude		Longitud	le								
	LatitudeLongitude														
NATURE OF RELEASE															
Type of Rele							Release 400			Recovered					
Source of Re	Source of Release Flowback						lour of Occurrenc	ce	Date and 11/3/11	Hour of Di	scovery	7			
Was Immedi	ate Notice (······································		11/3/11 If YES, To)				· · · · · · · · · · · · · · · · · · ·			
		X	Yes [No 🗍 Not R	equired	Geoffrey I	leking								
By Whom? 1							Iour 11/3/11 817								
Was a Water	course Read		Van K	a No		If YES, V	olume Impacting	the Wate	ercourse.						
	I Yes 🛛 No														
If a Waterco	urse was Im	pacted, Desci	ibe Fully.	*											
Denihe Ca		em and Reme	dial Actio	n Tobon #						······					
				back and BOP di	id not ho	old. Fluid wa	s recovered.								
Describe Ar	ea Affected	and Cleanup	Action Ta	ken.*											
NMOCD Gu	idelines wil	ll be followed	to closure	.											
				e is true and comp											
				nd/or file certain i ce of a C-141 rep											
				y investigate and i											
				ptance of a C-141											
federal, state	, or local la	ws and/or reg	ulations.									-			
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Signature:	nd	MIL	(41	Vadde											
						Approved by	Environmental S	Specialis	t:						
Printed Nam	e: Natalie	Gladden				*	<u> </u>	T		<u></u>					
Title: EHS	Environmen	tal Tech				Approval Da	ite:		Expiration	Date:					
dep p							(
E-mail Addr	ess: natalie	.gladden@ap	achecorp.o	com		Conditions of	t Approval:			Attache	d 🔲				

 Date:
 11/4/11
 Phone:
 575-390-4186

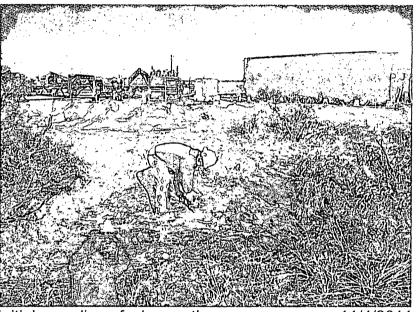
 * Attach Additional Sheets If Necessary

Appendix B Site Photographs

RICE Environmental Consulting and Safety (RECS) P.O. Box 5630 Hobbs, NM 88241 Phone 575.393.4411 Fax 575.393.0293

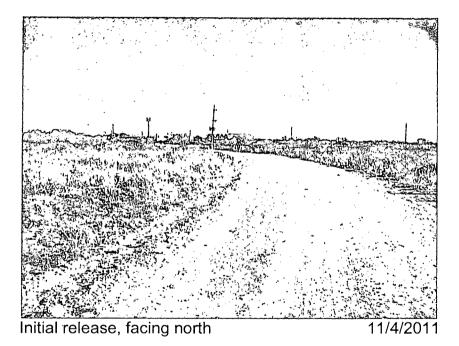
McDonald AC 1 #10

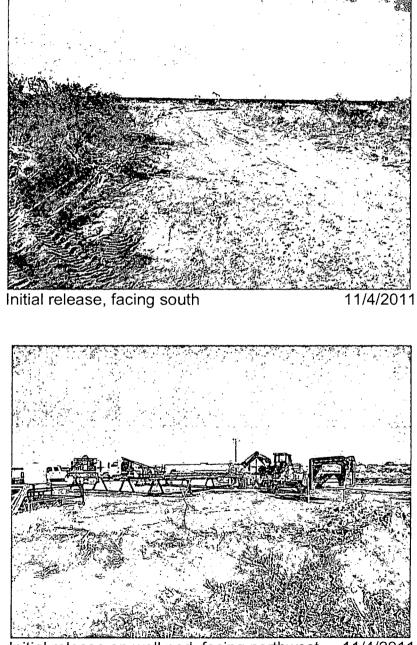
Unit Letter K, Section 16, T22S R36E



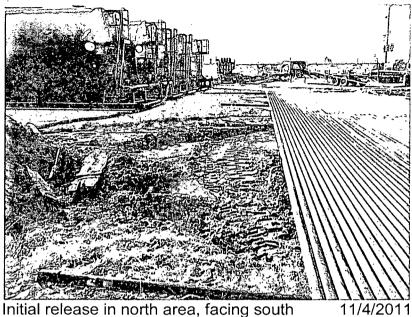
Initial sampling, facing north

11/4/2011

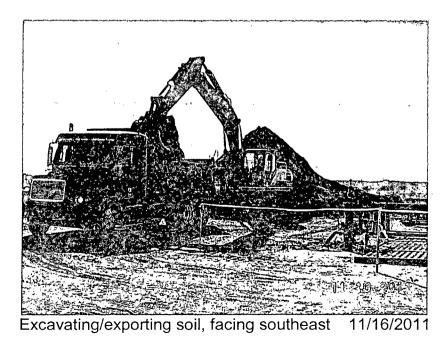


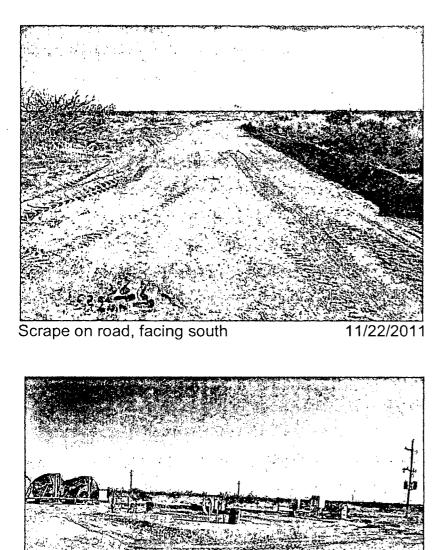


Initial release on well pad, facing northwest 11/4/2011



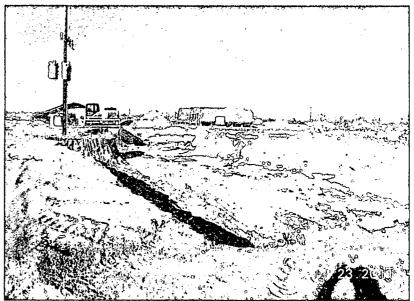
Initial release in north area, facing south



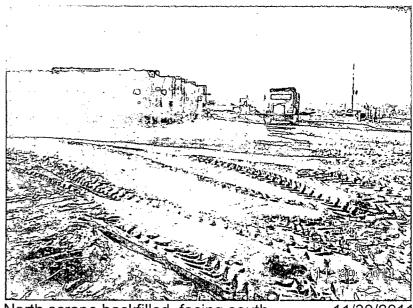


Excavation on well pad, facing southeast 11/28/2011

11.28,2011

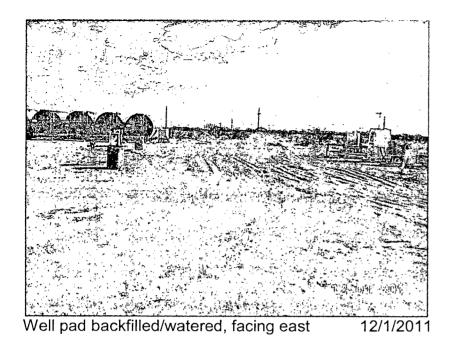


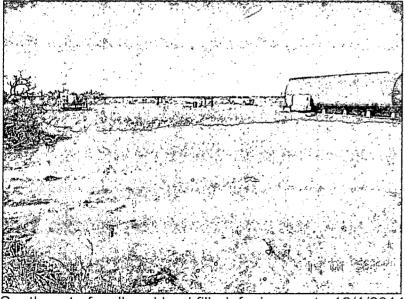
Area south of pad excavation, facing northeast 11/23/2011



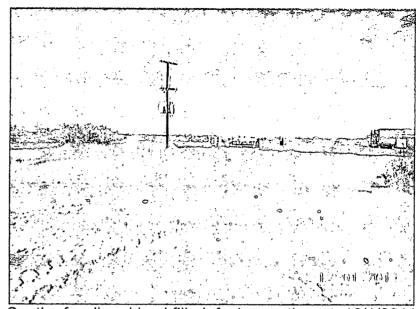
North scrape backfilled, facing south

11/30/2011

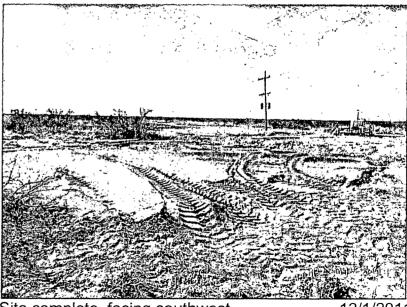




Southeast of well pad backfilled, facing west 12/1/2011



South of well pad backfilled, facing northwest 12/1/2011



Site complete, facing southwest

12/1/2011

Appendix C Laboratory Results

RICE Environmental Consulting and Safety (RECS) P.O. Box 5630 Hobbs, NM 88241 Phone 575.393.4411 Fax 575.393.0293



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

Received:	11/04/2011	Sampling Date:	11/04/2011	
Reported:	11/08/2011	Sampling Type:	Soil	
Project Name:	MC DONALD AC #1 #10	Sampling Condition:	Cool & Intact	
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson	
Project Location:	NOT GIVEN			

Sample ID: PT. 1 (H102398-01)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: AP		·····			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11100	16.0	11/07/2011	ND	448	112	400	3.51	

Sample ID: PT. 2 (H102398-02)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21400	16.0	11/07/2011	ND	448	112	400	3.51	

Sample ID: PT. 3 (H102398-03)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	11/07/2011	ND	448	112	400	3.51	

Sample ID: PT. 4 (H102398-04)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11600	16.0	11/07/2011	ND	448	112	400	3.51	

Cardinal Laboratories

*=Accredited Analyte

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Celey Di Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/04/2011	Sampling Date:	11/04/2011
Reported:	11/08/2011	Sampling Type:	Soil
Project Name:	MC DONALD AC #1 #10	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 5 (H102398-05)

Chloride, SM4500Cl-B mg/kg		Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	11/07/2011	ND	448	112	400	3.51	

Sample ID: PT. 6 (H102398-06)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	11/07/2011	ND	448	112	400	3.51	

Sample ID: PT. 7 (H102398-07)

Chloride, SM4500Cl-B mg/kg		Analyze	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2040	16.0	11/07/2011	ND	448	112	400	3.51	

Sample ID: PT. 8 (H102398-08)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14400	16.0	11/07/2011	ND	448	112	400	3.51	

Sample ID: PT. 9 (H102398-09)

Chloride, SM4500Cl-B		/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16600	16.0	11/07/2011	ND	448	112	400	3.51	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/04/2011	Sampling Date:	11/04/2011
Reported:	11/08/2011	Sampling Type:	Soil
Project Name:	MC DONALD AC #1 #10	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 10 (H102398-10)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP		·			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21600	16.0	11/07/2011	ND	448	112	400	3.51	

Sample ID: PT. 11 (H102398-11)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9860	16.0	11/07/2011	ND	448	112	400	3.51	

Cardinal Laboratories

*=Accredited Analyte

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Celeg Di Kune

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 7

ARDINAL 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

Company Name	Apache Corp.					BILL TO ANALYSIS REQUEST															
Project Manage	r: Natalie Gladden					P.0	D. #:														
Address:						Co	mpany:							S							
Cîty:	State: N/M	Zip	:			At	tn:			1	•			L O							
Phone #:	Fax #:					Ad	ldress:	······		1	ł			Cations/Anions							
Project #:	Project Owner					Ci	ty:			1	\geq		-	A/S							
	Milorold AC HI #10					1		Zip:		Chlorides	5		ТРН	ü							
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FOR LABUSE ONLY			Γ	MA	TRIX		PRESERV	SAMPL	ING	1 C	НЦ		6	e							
Lab 1.D. H1023998	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER SOIL	011	SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER :	DATE	TIME		-			Complete							
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(505) 393-2326 FAX (505) 393-2476	(325) 673-7001 FAX (325)673-7020

Company Name	Apache Corp.									BI	LL TO					1	ANAL	YSIS	S RE	QUE	ST			
Project Manage	r: Natalie Gladden							Р.О); #:												ſ			
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Received:	11/28/2011	Sampling Date:	11/18/2011
Reported:	11/30/2011	Sampling Type:	Soil
Project Name:	MC DONALD AC #1 #10	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: N. SCRAPE N. WALL (H102555-01)

Chloride, SM4500CI-B	mg.	mg/kg Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/29/2011	ND	432	108	400	0.00	

Sample ID: N. SCRAPE S. WALL (H102555-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/29/2011	ND	432	108	400	0.00	

Sample ID: N. SCRAPE E. WALL (H102555-03)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/29/2011	ND	432	108	400	0.00	

Sample ID: N. SCRAPE W. WALL (H102555-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/29/2011	ND	432	. 108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Received:	11/28/2011	Sampling Date:	11/18/2011
Reported:	11/30/2011	Sampling Type:	Soil
Project Name:	MC DONALD AC #1 #10	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: N. SCRAPE 5 PT. COMP (H102555-05)

Chloride, SM4500CI-B mg/kg		Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/29/2011	ND	432	108	400	0.00	

Sample ID: PT. 5 @ 6" (H102555-06)

Chloride, SM4500Cl-B mg/kg		Analyze	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/29/2011	ND	432	108	400	0.00	

Sample ID: PT. 6 @ 6" (H102555-07)

Chloride, SM4500Cl-B mg/kg		Analyze							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/29/2011	ND	432	108	400	0.00	

Sample ID: PT. 7 @ 6" (H102555-08)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/29/2011	ND	432	108	400	0.00	

Sample ID: EXC OFF PAD N WALL E (H102555-09)

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	11/29/2011	ND	432	108	400	0.00		

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Received:	11/28/2011	Sampling Date:	11/28/2011
Reported:	11/30/2011	Sampling Type:	Soil
Project Name:	MC DONALD AC #1 #10	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC OFF PAD N WALL W (H102555-10)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP				····		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/29/2011	ND	432	108	400	0.00	

Sample ID: EXC OFF PAD S WALL E (H102555-11)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/29/2011	ND	432	108	400	0.00	

Sample ID: EXC OFF PAD S WALL W (H102555-12)

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	11/29/2011	ND	448	112	400	0.00	

Sample ID: EXC OFF PAD E WALL N (H102555-13)

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	11/29/2011	ND	448	112	400	0.00	

Sample ID: EXC OFF PAD E WALL S (H102555-14)

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	11/29/2011	ND	448	112	400	0.00	

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Received:	11/28/2011	Sampling Date:	11/28/2011
Reported:	11/30/2011	Sampling Type:	Soil
Project Name:	MC DONALD AC #1 #10	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC OFF PAD W WALL N (H102555-15)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM			<u> </u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/29/2011	ND	448	112	400	0.00	

Sample ID: EXC OFF PAD W WALL S (H102555-16)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/29/2011	ND	448	112	400	0.00	

Sample ID: EXC OFF PAD S WALL C (H102555-17)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/29/2011	ND	448	112	400	0.00	

Sample ID: EXC OFF PAD 5 PT. E. BOTTOM (H102555-18)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					<u> </u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/29/2011	ND	448	112	400	0.00	

Sample ID: EXC OFF PAD 5 PT MID BOTTOM (H102555-19)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/29/2011	ND	448	112	400	0.00	

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Received:	11/28/2011	Sampling Date:	11/28/2011
Reported:	11/30/2011	Sampling Type:	Soil
Project Name:	MC DONALD AC #1 #10	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EXC OFF PAD 5 PT W BOTTOM (H102555-20)

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	11/29/2011	ND	448	112	400	0.00	

Sample ID: PAD @ 6" 5 PT BOTTOM (H102555-21)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/29/2011	ND	448	112	400	0.00	

Sample ID: PAD @ 6" N WALL (H102555-22)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM				·····-	
Analyte	Result	Reporting Limit	Analyzed Method Bl		BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/29/2011	ND	448	112	400	0.00	

Sample ID: PAD @ 6" E WALL (H102555-23)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/29/2011	ND	448	112	400	0.00	

Sample ID: PAD @ 6" W WALL (H102555-24)

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	11/29/2011	ND	448	112	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

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Received:	11/28/2011	Sampling Date:	11/28/2011
Reported:	11/30/2011	Sampling Type:	Soil
Project Name:	MC DONALD AC #1 #10	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PAD @ 6" S WALL (H102555-25)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/29/2011	ND	448	112	400	0.00	

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Company Name						清朝	鷻	쀍	B]	LLTO	and the	ł		att the second secon		ANA	LYSIS	RE	QUES	ST					
Project Manage	r: Natalie Gladden							Р.(). #	:					1			Ì							
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CHECKED BY: (Initials)

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 -t-t-26

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Sample Condition

Cool Intact Yes Yes

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

ARDINAL LABORATORIES

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(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

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4.10 Received By: 01 Relinquished By: email results Date: natalie.gladden@apachecorp.com Time: Zconder@rice-ecs.com; Bbaker@rice-ecs.com; CHECKED BY: Sample Condition Delivered By: (Circle One) Cool Intact Yes Yes hconder@rice-ecs.com; Lweinheimer@rice-ecs.com Sampler - UPS - Bus - Other: \mathcal{H} † Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechw	ood, Abilene, TX	79603
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-9476

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Appendix D Final Form C-141

RICE Environmental Consulting and Safety (RECS) P.O. Box 5630 Hobbs, NM 88241 Phone 575.393.4411 Fax 575.393.0293