HOBBS OCL

District I 1625 N. French Dr., Hobbs, NM 88240 District II

811 S. First St., Artesia, NM 88210

ž.

State of New Mexico ISEP 0 9 Energy Minerals and Natural Resources

District III 1000 Rio Brazos Road, Aztec, NM 87410

1220 S. St. Francis Dr., Santa Fe, NM 87505 RECEIVED Santa Fe, NM 87505

Oil Conservation Division 1220 South St. Francis Dr. HOBBS OCD

(SEP 0 9 2013

Form C-141 Revised August 8, 2011

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

RECEIVED

		Rele	ease Notific	ation	and Co	rrective A	ction								
		· <u>·</u>			OPERAT		[Initia	al Report	\boxtimes	Final Report				
	mpany Apache Cor					Bruce Baker	(000	·							
Facility Nar	O Box 1849, Eunice, ne NEDU #220	NM 8823	1			No. (432) 631-0 e Production V									
						e Hoddetion (7 CII								
Surface Ow	ner McNeil		Mineral C)wner	State	<u> </u>		API No	. 30-025	-06358	3				
			LOCA	TION	OF RE	LEASE									
Unit Letter	Section Township	Range	Feet from the	North/	South Line	Feet from the	East/W	est Line	County	•					
J	2 218	37E	2886		FNL	2307	F	EL_	Lea						
		La	titude		_ Longitud	le									
			NAT	TIRE	OF REL	FASE									
Type of Rele	ase Produced Water		IVAI	UKE		Release >5 bbls>	10	Volume F	Recovered	0					
Source of Re					Date and F	lour of Occurrence		Date and	Hour of Dis		3/8/11				
Was Immadi	ate Notice Given?				3/8/11 3			3/18/	11						
was immedi] Yes ∑	No Not R	equired	If YES, To Whom? ired Geoffrey Leking										
	Natalie Gladden					Iour 3/21/11									
Was a Water	course Reached?	Yes 🗵	1 No		If YES, Vo	olume Impacting t	the Water	course.							
If a Waterson	urse was Impacted, Des			-											
II a Watercoo	irse was impacted, Des	nioe runy.													
			•												
								DTW:	- 49'						
	ise of Problem and Ren			1 1		. 1' 0									
A flow line o	lown in a draw (sandy a	rea) was to	und by a pumper t	to be leaf	king. There	was no standing t	luid; there	etore, no i	recovery wa	s neces	sary.				
Describe Are	ea Affected and Cleanu	Action Ta	ken.* The release	encumb	ered 308 sa f	t of pasture land.	RECS pe	ersonnel v	vere on site	beginn	ing on March				
18 th , 2011 to	sample the surface of the	ie release.	Four points were	sampled	and field tes	ted for chlorides.	The site	was excar	vated to a de	epth of	13 ft bgs,				
where a fiber	rglass line was encounte e taken to a commercial	red. The w	valls and bottom o	f the exc	avation were	field tested for cl	hlorides a	and hydro m the site	carbons and	represe	entative				
approved fac	cility. The excavation w	as then bac	kfilled with 504 c	ubic yar	ds of clean, i	mported soil and	contoured	d to the su	irrounding l	ocation					
The suplement	ify that the information	airea abar	a is true and some	loto to t	ha hast of my	len ovelodga and i	ındərətən	d that num	rought to MA	IOCD .	aylan on d				
regulations a	ary that the information all operators are required	given abov I to report a	e is true and comp ind/or file certain :	release n	ne best of my otifications a	and perform corre	ctive acti	ons for re	leases which	i may e	ndanger				
public health	n or the environment. T	he acceptar	ice of a C-141 rep	ort by th	e NMOCD n	narked as "Final F	Report" de	oes not re	lieve the op	erator c	f liability				
	operations have failed tonment. In addition, NA														
	e, or local laws and/or re		ptanec of a C 141	report	locs not rene	ve the operator of	Сороно		compilatio	vitti ut.	., other				
						OIL CON	SERY	ATION	DIVISI	\overline{ON}					
Signature:	Bruce Bake	1				C	South State	Kles		R	M				
<u> </u>	D D				Approved by	/ Environmental	Specialist	W	ental Spe	وزاوني	, 'O				
Printed Nam	ne: Bruce Baker				·	<u> </u>	Env	ATION	ennar She	CIGILIS	-				
Title: Envir	onmental Tech				Approval Da	ate: 91113	I	Expiration	Date:	•					
E-mail Addi	ress: larry.baker@apacl	iecorp.com	and the second s		Conditions of	of Approval:			_	, ,	.				
				Attached [- 20117					
Date:	3-30-13	Phon	e: (432) 631-698	32					IIKY-	3-13	72741				

* Attach Additional Sheets If Necessary



HOBBS OCD

SEP 09 2013

RECEIVED

APACHE CORPORATION

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

Environmental Specialist

NMOCD-DISTI

NEDU #220

Termination Request

API 30-035-06358

Release Date: March 18th, 2011

Unit Letter J, Section 2, Township 21S, Range 37E

Rice Environmental Consulting & Safety

P.O. Box 2948, Hobbs, NM 88241 Phone 575.393.2967

August 29th, 2013

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 Corporation NEDU #220: UL/J sec. 2 T-21-S R-37-E API No. 30-025-06358

Mr. Leking:

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 5.5 miles northeast of Eunice, New Mexico at UL/J sec. 2 T21S R37E. NM OSE and USGS records indicated that groundwater would likely be encountered at approximately 37 ft bgs.

This release occurred from a crack in a flow line releasing an unknown number of barrels of produced water. A pumper discovered the release on March 18th, 2011 and Apache notified NMOCD – District 1 on March 21st, 2011. An initial C-141 was sent to NMOCD on March 22nd, 2011 (Appendix A).

The release encumbered 308 sq ft of pasture land. RECS personnel were on site beginning on March 18th, 2011 to sample the surface of the release. Four points were sampled and field tested for chlorides (Figure). The site was excavated to a depth of 13 ft bgs, where a fiberglass line was encountered. The walls and bottom of the excavation were field tested for chlorides and hydrocarbons and representative samples were taken to a commercial laboratory for analysis (Appendix B).

A total of 456 cubic yards of soil was excavated from the site and disposed of at a NMOCD approved facility. The excavation was then backfilled with 504 cubic yards of clean, imported soil and contoured to the surrounding location.

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

Due to the removal of impacted soils and their replacement with clean, imported soils, RECS, on behalf of Apache, submits the final C-141 (Appendix D) and respectfully requests the closure of the regulatory file for this site.

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,

Lara Weinheimer

Project Scientist

RECS

(575) 441-0431

Attachments:

Figure – Site Map

Appendix A – Initial C-141

Appendix B – Laboratory Analyses

Appendix C – Photo Documentation

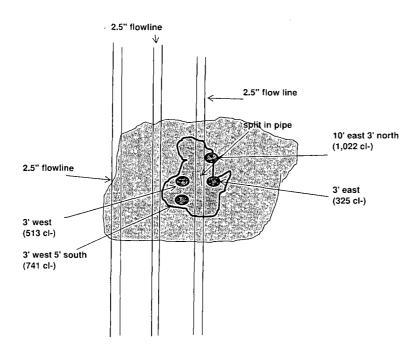
Appendix D – Final C-141



APACHE NEDU #220 A. D.

FLOWLINE DISCHARGE





EXCAVATED
AREA
SAMPLE
POINTS
FLOW LINES

DISCHARGED AREA DIMENSIONS 14'X22' EXCAVATED AREA DIMENSIONS 30'X45'

308 sq ft

Figure

Appendix A
Initial C-141

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Pistrict 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

Revised August 1, 2011

Form C-141

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

 					11100 1 0	, 1 11/1 0 / 2	0.0								
	Release Notification and Corrective Action OPERATOR Initial Report Final Report														
						OPERA	ГOR			l Report		Final Report			
Name of Co	mpany A	pache Corpo	oration	·		Contact Na	talie Gladden								
Address PO						Telephone l	No. 575-390-41	86							
Facility-Nar	ne=Nedu#	#220				Facility=Typ	e-Production-W	Vell							
Surface Ow	ner McNe	eil		Mineral C	Owner S	State			Lease N	o. 30-025-	06358	3			
				LOCA	ATION	OF RE	LEASE		•						
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/W	est Line	County					
J	2	21S	37E	2886	FNL										
	1	1		titude	1 1 1 1 2	Longitud	2307	East	L	Lea					
			2		יווטור	OF RELI									
Type of Rele	ase Produc	ed water		IVAL	UKE		Release >5bbls<	<10	Volume R	ecovered 0					
Source of Re						Date and H	Iour of Occurrenc		Date and I	lour of Dis					
Was Immedia	ate Notice (Given?				03/18/11 Same If YES, To Whom?									
Was infilited.			Yes 🛭	☑ No ☐ Not R	equired	Geoffrey L									
By Whom?							Iour 03/21/11								
Was a Water	course Read		Yes 🗵	7 No		If YES, Vo	olume Impacting t	he Wate	rcourse.						
TC TY						<u> </u>									
If a Watercou	irse was im	ipacieu, Desci	ide runy.	•											
Describe Cau				on Taken.* Sound by pumper t	a he leak	ring There v	vae na etandina fli	uid there	fore no rec	Overv					
A HOWING U	JWH HI A UI	awci (sailty a	ica) was n	ound by pumper t	o oc ican	ing. There v	vas no standing m	uid tiscic	dore no rec	overy.		·			
Describe Are	a Affected	and Cleanup	Action Ta								-				
Site will be re															
I hereby certi	fy that the	information g	iven abov	e is true and comp	lete to th	ne best of my	knowledge and u	ınderstan	d that purs	uant to NM	OCD r	ules and			
regulations a	ll operators	are required t	to report a	nd/or file certain i	elease no	otifications a	nd perform correc	ctive acti	ons for rele	ases which	may ei	ndanger			
				ce of a C-141 report											
				y investigate and rotance of a C-141											
federal, state,					F							, ovii.			
			. /	γ_{Λ}	OIL CON	<u>SERV</u>	ATION	DIVISIO	<u>N</u>						
Signature:	$I \cap I$	idale	l (<	TOOK	Ø 1	-									
	-					, Approved hv	District Supervis	or:	~						
Printed Name	e: Natalie (Gladden		··											
Title: EHS E	Environmen	tal Tech			Approval Date: Expiration Date:										
E-mail Addre	ess: natalie	.gladden@apa	achecorp.c	com		Conditions of	f Approval:								
										Attached	1 1				

Phone: 575-390-4186

Date03/22/11

^{*} Attach Additional Sheets If Necessary

Appendix B
Laboratory Analyses



April 08, 2011

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: NEDU #220

Enclosed are the results of analyses for samples received by the laboratory on 03/22/11 8:00.

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 Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Received:

03/22/2011

Reported:

04/08/2011

Project Name: Project Number: NEDU #220 NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: Cool & Intact

Soil

03/21/2011

Jodi Henson

Sample ID: BTTM GRAB @ 13' (H100545-01)

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

Result								
NESUIL	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
432	16.0	03/24/2011	ND	432	108	400	3.77	
mg,	/kg	Analyze	d By: AB					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	03/26/2011	ND	214	107	200	2.22	
<10.0	10.0	03/26/2011	ND	216	108	200	3.48	
	Result	Result Reporting Limit <10.0 10.0	mg/kgAnalyzeResultReporting LimitAnalyzed<10.0	mg/kgAnalyzed By: ABResultReporting LimitAnalyzedMethod Blank<10.0	mg/kg Analyzed By: AB Result Reporting Limit Analyzed Method Blank BS <10.0	mg/kg Analyzed By: AB Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	mg/kg Analyzed By: AB Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0	mg/kg Analyzed By: AB Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0

Surrogate: 1-Chlorooctadecane

97.6%

70-130

Cardinal Laboratories *=Accredited Analyte

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 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 reproduced except in full with written approval of Cardinal Laboratories.

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

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 whistoever 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 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 reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

ARDINAL LABORATORIES

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:	Apache Corp.	THE PERSON NAMED IN COLUMN	e 7000.P* 1909.Pe	e december	ranamen	A tolk and a second	TOWNS OF STREET	ence ennoù I	ant remain	BI	LL	<i>70</i>		TOTAW BUT SP. BE		A THE PROPERTY OF THE PARTY OF T	j.	INAL	YSIS	REC	QUES	ST	economist es	COLUMN TO SERVICE STATE OF THE	WILL C. WHY
Project Manager	Natalie Gladden			P.O. #:									erincurence as												
	Project Owner: pject Name: FBDU# QBO pject Location: mpler Name: ALAB USE CAILY LAB USE CAILY LAB USE CAILY ALAB USE CAILY LAB USE CAILY Sample 1.D. Sample 1.D.							Coi	npai	ny:								တ			-	1			
City:	and more and the second	State: NM	Zip.					Attı	11:		10p* pringang 10g 88440							Cations/Anions					1		
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Relinquished By		377711 Tilly ta	Re	ceiv	ed B	email resulls zconder@rice-ecs.com; Lweinheimer@rice-ecs.c Hconder@riceswd.com; Bbaker@rice-ecs.com						com													
Delivered By Sampler - UPS	(Circle One) Bus - Other:	-6	.5	الم	Sn Co L	mple (Yes No	Sondi	ion s		CHEC	KED H	ЗΥ:	Natali									CS.C	om		

26

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



April 08, 2011

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: NEDU #220

Enclosed are the results of analyses for samples received by the laboratory on 03/23/11 8:06.

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 Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (V2, V3)

Accreditation applies to public drinking water matrices.

Celeg D. Keene

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

Received:

03/23/2011

Sampling Date:

03/22/2011

Reported:

04/08/2011

Sampling Type:

Soil

Project Name: Project Number: NEDU #220 NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact

Project Location:

NOT GIVEN

Jodi Henson

Sample ID: NORTH WALL (H100558-01)

		-	
Chioride,	SM4500Cl-B		mg/

Chloride, SM4500CI-B	mg	/kg	Analyze	d Ву: НМ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/29/2011	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2011	ND	209	105	200	1.25	
DRO >C10-C28	<10.0	10.0	03/26/2011	ND	206	103	200	1.28	
G	00.2	0/ 70 13/					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		

Surrogate: 1-Chlorooctane

98.3 %

70-130

Surrogate: I-Chlorooctadecane

91.2%

70-130

Sample ID: EAST WALL (H100558-02)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	03/29/2011	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2011	ND	209	105	200	1.25	
DRO >C10-C28	<10.0	10.0	03/26/2011	ND	206	103	200	1.28	
Surrogate: 1-Chlorooctane	107	% 70-130)						
Surrogate: 1-Chlorooctadecane	104	% 70-130)						

Cardinal Laboratories

*=Accredited Analyte

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 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 reproduced except in full with written approval of Cardinal Laboratories.

Celeg 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:

03/23/2011

Sampling Date:

03/22/2011

Reported:

04/08/2011

Sampling Type:

Soil

Project Name:

NEDU #220

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number:

NONE GIVEN

Project Location: **NOT GIVEN**

Sample ID: SOUTH WALL (H100558-03)

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	03/29/2011	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2011	ND	209	105	200	1.25	
DRO >C10-C28	<10.0	10.0	03/26/2011	ND	206	103	200	1.28	
Surrogate: 1-Chlorooctane	103	% 70-130							
Surrogate: I-Chlorooctadecane	99.9	% 70-130							

Sample ID: WEST WALL (H100558-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM		·····			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/29/2011	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2011	ND	209	105	200	1.25	
DRO >C10-C28	<10.0	10.0	03/26/2011	ND	206	103	200	1.28	
Surrogate: 1-Chlorooctane	107	% 70-130							
Surrogate: 1-Chlorooctadecane	103	% 70-130							

Cardinal Laboratories

*=Accredited Analyte

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 waved 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 the 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.

Celey D. Keine



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: Uability and Damages. Cardinal's liability and client'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 whistoever 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 corresponded damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client is subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether Such claims 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.

Celeg & Keine

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

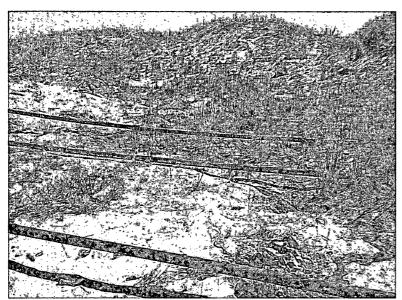
101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

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

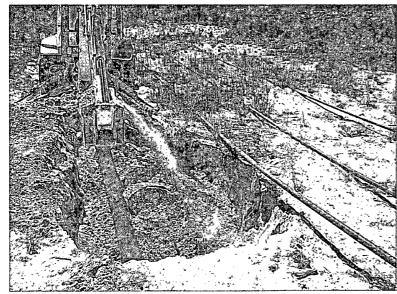
Appendix C Photo Documentation

Apache NEDU #220 AD Unit Letter J, Section 2, T21S, R37E



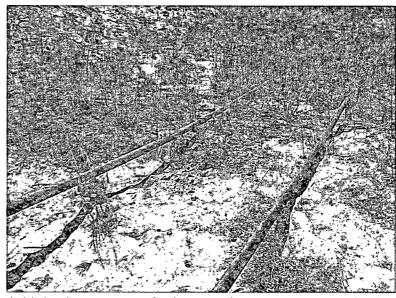
Initial release area, facing east

3/18/11



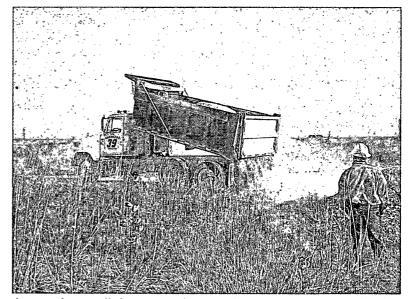
Excavating release area, facing south

3/21/11



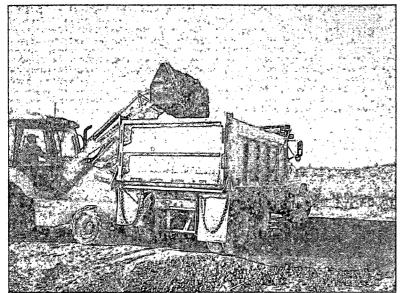
Initial release area, facing south

3/18/11



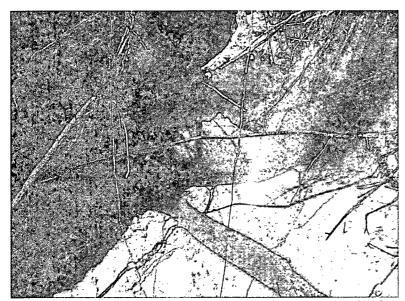
Importing caliche to make road

3/21/11



Exporting soil, facing south

3/22/11

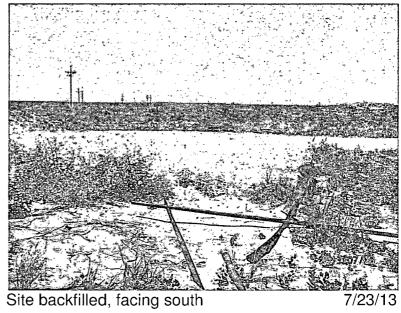


3/22/11 Fiberglass line at the base of the excavation



Final excavation, facing east

3/22/11



Site backfilled, facing south

Appendix D Final C-141

HOBBS OCU,

<u>District I</u> 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 RECEIVED

State of New Mexico

SEP 0 9 Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. HOBBS OCD

ISEP 0 9 2013

Form C-141 Revised August 8, 2011

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

RECEIVED

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			Rele	ease Notific	atio	n and Co	rrective	Actio	n					
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Facility Na	me NE	DU #220				Facility Typ	e Productio	n Well						
Surface Ow	ner McN	eil		Mineral O	wner	State			API No	. 30-025-	0635	8		
				LOCA	TIO	N OF RE	LEASE							
Unit Letter	Section	Township	Range	Feet from the		/South Line	Feet from the	East	West Line	County				
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			La	titude		Longitud	le							
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Was Immedi	ate Notice (Yes 🗵	No □ Not Re	quired	If YES, To Geoffrey I	Whom?		<u> </u>					
By Whom?	Natalie G													
Was a Water	course Read		Yes 🗵] No		If YES, Vo	olume Impactir	ng the Wa	itercourse.					
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D 11 4	1 CC . 1	1.01		se dani 1	1	1200 6		1 DECC	· · · · · · · · · · · · · · · · · · ·					
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				for analysis. A tot										
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Printed Nam	e: Bruce B	Baker				Approved by	Environmenta	l Special	ist. nvironme	ntal Spec	ialis	t		
Title: Envir						Approval Da	te: 9/11/13	3	Expiration					
							•	-	2. phadon					
		aker@apache	corp.com			Conditions o	t Approval:	_		Attached		_		
Date: 8	3-30-	13	Phone	: (432) 631-698	2					189-9	-13	-2947		

^{*} Attach Additional Sheets If Necessary