District 1 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 8750 

Sector Sector

100 million and 100 million and

#### State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr.

#### HOBBS OCD

Form C-141 Revised August 8, 2011

JUN 1 8 2014 Submit I Copy to appropriate District Office in accordance with 19.15.29 NMAC.

#### -----

220 S. St. Fran	icis Dr., Santi	a Fe, NM 87503		Sa	inta F	e, NM 875	505	RECEIVI	<u>.</u>		
<del>⋶⋷⋷⋳⋳</del> ⋐ <u>⋳⋳⋳⋳</u> ⋒⋺⋹⋳⋡⋳⋽∊⋨⋠		a da la constanti de la constanti de la constanción de la constanción de la constanción de la constanción de la	Rel	ease Notific	eatio	n and Co	orrective A	ction	***************************************	En gernet som en	
			•			<b>OPERA</b> '			al Report	S Final Report	
		Apache Corp				Contact Bruce Baker					
		ne Eunice, N					No. (432) 631-69	982			
Facility Nat (nearest we		J Central Ta	nk Batter	у		Facility Typ	be Battery				
Surface Ow	ner WFM	4 Ranch Ltd	Et al	Mineral C	Owner			API No	o. 30-025-	37028-37026	
				LOCA	ATTO	N OF RE	LEASE				
Unit Letter	Section	Township	Range	Feet from the		VSouth Line Feet from the East/West Line Co					
A	10	215	37E	1310'		FNL	330'	FEL	Lea		
	4	1	1	Latituc	le	Longitue	le	<b></b>	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
						OF REL	* · · · ·				
Type of Rele	ase Produ	aced Water					Release 25 BBI	SVolume I	Recovered 2	0 BBLS	
	Source of Release injection line						four of Occurrenc		Hour of Dise	covery 10-6-13	
Was Immedi	ate Notice (		Yes [	] No 🔲 Not Re	equired	If YES, To Mr. Leking					
By Whom?							Iour 10/7/13 at 9:				
Was a Water	course Read	ched?	Yes 🗵	] No		If YES, Vo	dume Impacting t	he Watercourse.			
If a Watercov	urse was Im	pacted, Descri				<u>, I</u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,			
		em and Reme									
The line was s	shut in and a	vauum truck v	vas dispato	hed to pick up flui	d.						
					·	DTW	= 251				
On October 6 land, A vacuu on October 7 <sup>d</sup> to assess the r elevated field 3 inches bgs. 1 commercial la	5 <sup>th</sup> , 2013, Ap um truck was <sup>h</sup> , 2013. An elease. The chloride leve Bottom grab aboratory for	s called to the s initial C-141 w release was sau els and relative samples were analysis and a	d a release site and rec as signed mpled at the ly low org collected for 11 samples	from an injection covered a total of 2 on October 14 <sup>th</sup> , 20 as surface and the s anic vapor reading from the base of the returned values be	0 barrel 013 and amples s. Reme e scrape low regi	s of produced v submitted to N were field test ediation activiti and field teste ulatory standar	water. The line wa MOCD. RECS per ed for chlorides and ies began at the site d for chlorides and ds for chlorides an	s repaired and NM0 rsonnel were on site d organic vapors. A	DCD was noti beginning or all nine surfac 013. The site e samples we 08 cubic yard	n October 7 <sup>th</sup> , 2013 e samples returned was scraped down to re then taken to a s of contaminated	
regulations a public health should their c or the environ	Il operators or the envir operations h nment. In a	are required to conment. The ave failed to a	o report ai acceptanc idequately iCD accep	nd/or file certain r e of a C-141 repo investigate and r	elease n ort by th emediat	otifications a c NMOCD m c contaminati	nd perform correc arked as "Final Re on that pose a thre	nderstand that pur- tive actions for rel eport" docs not rel eat to ground wate responsibility for c	eases which ieve the oper r, surface wa	may endanger ator of liability ter, human health	
Signature:	Bruce	Bale	<u>^</u>				OIL CON	SERVICE A	DIVS	AME	
Printed Name	e: Bruce Bal	ker				Approved by	Environmental Sp	Environmen	tal Specia	list V	
Title: Environ	nmental Tec	:h				Approval Dat	e: 6/18/12	Expiration	Date: -		
E-mail Addre	ess: larry.bal	ker@apachecc	orp.com			Conditions of	Approval:	<del>-</del>	Attached		
Date: La	1171	14	Phone:	(432) 631-6982					IRP-11	-13-2987]	
									19 A. A.		

NSA-D141754308

EXPLORING WHAT'S POSSIBLE

HOBBS OCD

JUN 1 8 2014

RECEIVED

## **APACHE CORPORATION**

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

## NEDU Central Tank Battery 1RP-11-13-2987 Termination Request

API No. 30-025-<del>37028</del> 37026

Release Date: October 6<sup>th</sup>, 2013

Unit Letter A, Section 10, Township 21S, Range 37E



PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

June 17<sup>th</sup>, 2014

**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 Central Tank Battery (1RP-11-13-2987) UL/A sec. 10 T21S R37E API No. 30-025-37028 37026

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 4 miles northeast of Eunice, New Mexico at UL/A sec. 10 T21S R37E. NM OSE records indicate that groundwater will likely be encountered at a depth of approximately 51 +/- feet.

On October 6<sup>th</sup>, 2013, Apache discovered a release from an injection line that released 25 barrels of produced water over 14,290 square feet of lease pad and pasture land. A vacuum truck was called to the site and recovered a total of 20 barrels of produced water. The line was repaired and NMOCD was notified of the release on October 7<sup>th</sup>, 2013. An initial C-141 was signed on October 14<sup>th</sup>, 2013 and submitted to NMOCD (Appendix A).

RECS personnel were on site beginning on October 7<sup>th</sup>, 2013 to assess the release. The release was sampled at the surface and the samples were field tested for chlorides and organic vapors (Figure 1). All nine surface samples returned elevated field chloride levels and relatively low organic vapor readings.

Remediation activities began at the site on October 31<sup>st</sup>, 2013. The site was scraped down to 3 inches bgs (Figure 2). Bottom grab samples were collected from the base of the scrape and field tested for chlorides and organic vapors. The samples were then taken to a commercial laboratory for analysis and all samples returned values below regulatory standards for chlorides and TPH (Appendix B). A total of 108 cubic yards of contaminated soil was taken to a NMOCD approved facility for disposal. On November 11<sup>th</sup>, 2013, the site was completed without backfilling due to the shallow nature of the scrape.

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

Given that chloride levels fell below regulatory levels at the 3 inches bgs scrape and Apache has removed the contaminated soil and disposed of it at a NMOCD approved facility, Apache respectfully requests 'remediation termination' and site closure. A final C-141 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.

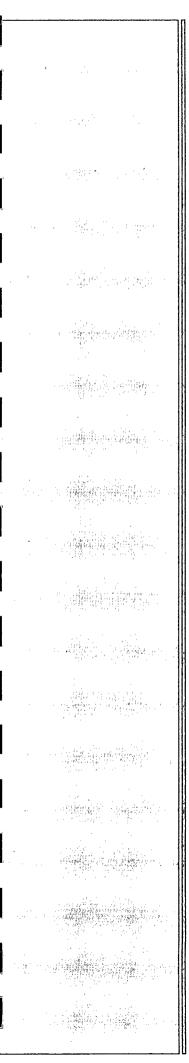
Sincerely,

JC.W-

Lara Weinheimer Project Scientist RECS (575) 441-0431

Attachments:

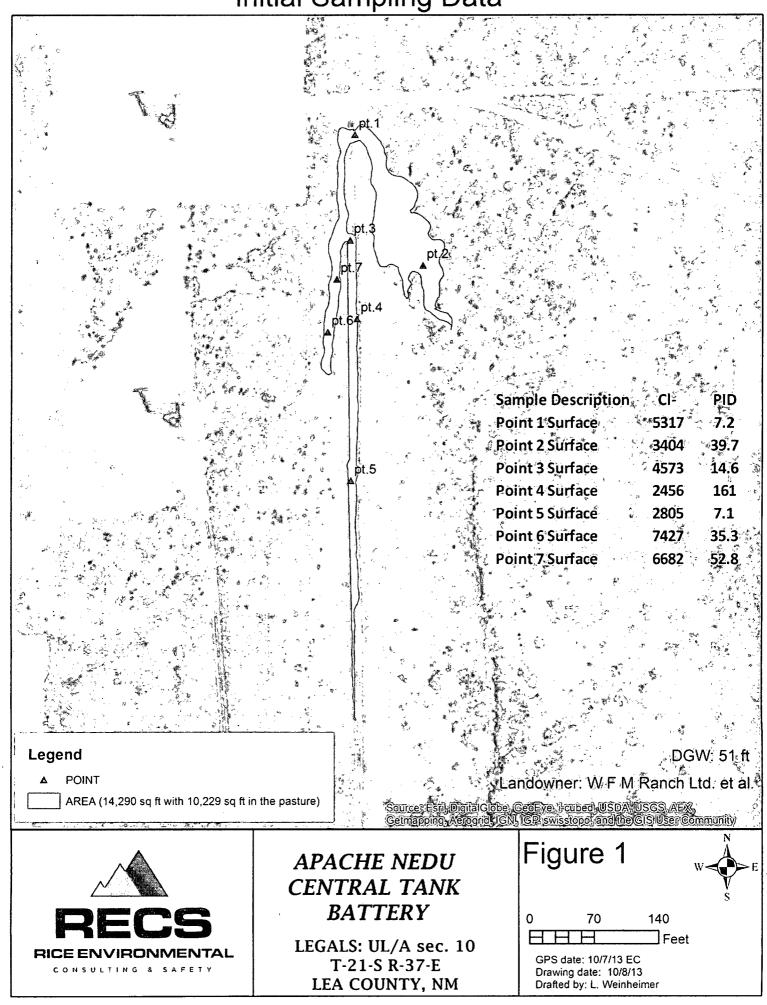
Figure 1–Initial Sampling Data Figure 2 – Excavation Data Appendix A – Initial C-141 Appendix B – Laboratory Analyses Appendix C – Photo Documentation Appendix D – Final C-141

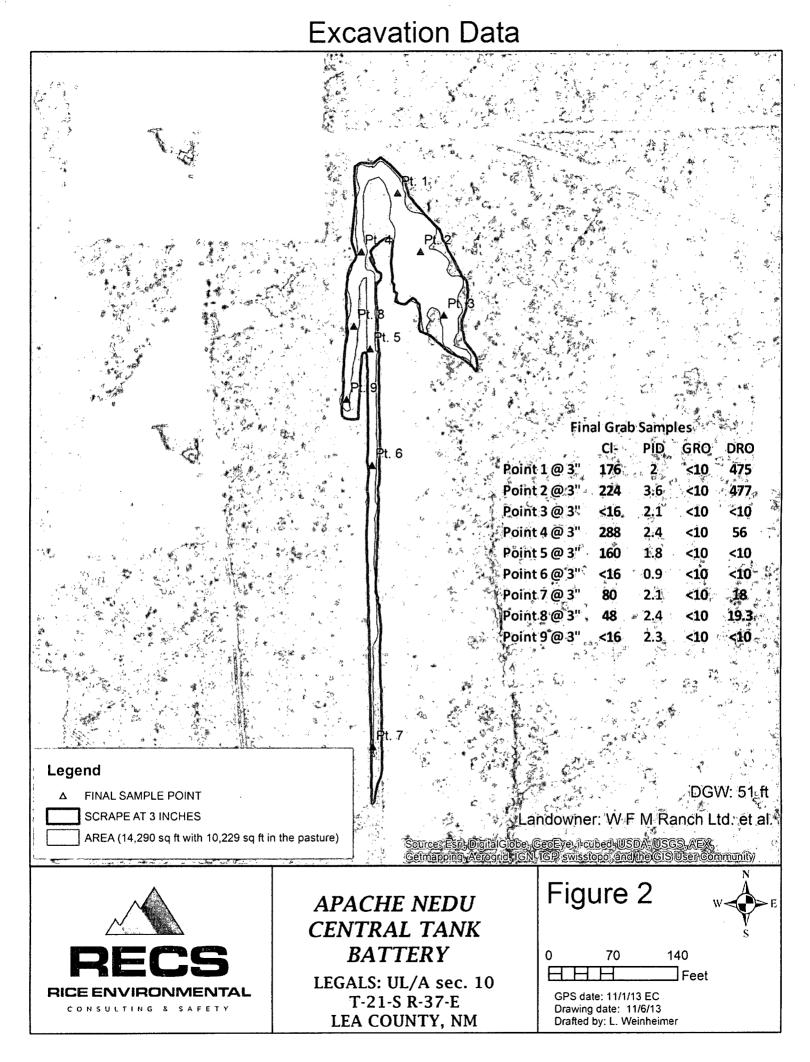


# Figures

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

## Initial Sampling Data





# Appendix A Initial C-141

وأرودها

RICE Environmental Consulting and Safety (RECS) P.O. Box 2948 Hobbs, NM 88241 Phone 575.393.2967 State of New Mexico Energy Minerals and Natural Resources

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. Francis Dr., Santa Fe, NM 87505 Santa	a Fe, NM 87505			
Release Notificat	tion and Corrective Act	tion		
	OPERATOR	🛛 Initia	l Report [	Final Report
Name of Company Apache Corporation	Contact Bruce Baker		•	
Address 8 Ellison Lane Eunice, NM 88231	Telephone No. (432) 631-698	32		
Facility Name NEDU Central Tank Battery	Facility Type Battery			
(nearest well # 421)				
Surface Owner WFM Ranch Ltd. Et al Mineral Own	ier	API No.	30-025-370	28-37026
LOCAT	ION OF RELEASE			
Unit LetterSectionTownshipRangeFeet from theNA1021S37E1310'	orth/South Line Feet from the I FNL 330'	East/West Line FEL		ounty Lea
Latitude			-	
NATU	RE OF RELEASE			
Type of Release Produced Water	Volume of Release 25 BBLS		ecovered 20 B	
Source of Release injection line	Date and Hour of Occurrence	Date and 1 8:00 a.m.	lour of Discov	ery 10-6-13 at
Was Immediate Notice Given?	If YES, To Whom? red Mr. Leking			
By Whom? Bruce Baker	Date and Hour 10/7/13 at 9:10	6 a.m.		
Was a Watercourse Reached?	If YES, Volume Impacting the	Watercourse.		
If a Watercourse was Impacted, Describe Fully.*				
Describe Cause of Problem and Remedial Action Taken.* The line was shut in and a vacuum truck was dispatched to pick up flu	nid.			
Describe Area Affected and Cleanup Action Taken.*				
A total of 14,290 square fect of area affect with 10,229 square feet pa	sture. Once line is repaired the site w	ill be delineated.		
I hereby certify that the information given above is true and complete regulations all operators are required to report and/or file certain relea public health or the environment. The acceptance of a C-141 report b should their operations have failed to adequately investigate and reme or the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local laws and/or regulations.	se notifications and perform correctiv y the NMOCD marked as "Final Repo diate contamination that pose a threat	e actions for relea ort" does not relie to ground water,	ases which may we the operator surface water,	y endanger r of liability human health
	<u>OIL CONSE</u>	ERVATION	DIVISION	
Signature: Bruce Bacher				1
Printed Name: Bruce Baker	Approved by Environmental Spec	cialist:		
Title: Environmental Technician	Approval Date:	Expiration D	Date:	
		<u></u>		
E-mail Address: larry.baker@apachecorp.com	Conditions of Approval:		Attached	)

Phone: (432) 631-6982

Date: 10-14-13 Attach Additional Sheets If Necessary

## Appendix B Laboratory Analyses

14 C

ومنسقيته

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



November 06, 2013

BRUCE BAKER

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: NEDU CENTRAL BATTERY NORTH INJECTION WELL

Enclosed are the results of analyses for samples received by the laboratory on 11/01/13 15:30.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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,

Celeg D. Kune

Celey D. Keene Lab Director/Quality Manager



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

Received:	11/01/2013	Sampling Date:	11/01/2013
Reported:	11/06/2013	Sampling Type:	Soil
Project Name:	NEDU CENTRAL BATTERY NORTH INJEC	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: PT. 1 (H302677-01)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/04/2013	ND	400	100	400	0.00	
ТРН 8015М	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	11/04/2013	ND	200	100	200	0.0305	
DRO >C10-C28	475	10.0	11/04/2013	ND	205	102	200	0.511	
Surrogate: 1-Chlorooctane	85.5	% 65.2-14	0	· · · · · · · · · · · · · · · · · · ·					
Surrogate: 1-Chlorooctadecane	96.6	% 63.6-15	4						

#### Sample ID: PT. 2 (H302677-02)

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AP		·			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/04/2013	ND	400	100	400	0.00	
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	11/04/2013	ND	200	100	200	0.0305	
DRO >C10-C28	477	10.0	11/04/2013	ND	205	102	200	0.511	
Surrogate: 1-Chlorooctane	85.2	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	112	% 63.6-15	4						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

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Celey Di Kune

Celey D. Keene, Lab Director/Quality Manager



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Received:	11/01/2013	Sampling Date:	11/01/2013
Reported:	11/06/2013	Sampling Type:	Soil
Project Name:	NEDU CENTRAL BATTERY NORTH INJEC	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: PT. 3 (H302677-03)

Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/04/2013	ND	400	100	400	0.00	
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	11/04/2013	ND	200	100	200	0.0305	
DRO >C10-C28	<10.0	10.0	11/04/2013	ND	205	102	200	0.511	
Surrogate: 1-Chlorooctane	78.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	82.0	% 63.6-15	4						

#### Sample ID: PT. 4 (H302677-04)

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	11/04/2013	ND	400	100	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/04/2013	ND	200	100	200	0.0305	
DRO >C10-C28	56.0	10.0	11/04/2013	ND	205	102	200	0.511	
Surrogate: 1-Chlorooctane	77.2	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	86.0	% 63.6-15	4						

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\*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/01/2013	Sampling Date:	11/01/2013
Reported:	11/06/2013	Sampling Type:	Soil
Project Name:	NEDU CENTRAL BATTERY NORTH INJEC	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: PT. 5 (H302677-05)

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/04/2013	ND	400	100	400	0.00	
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	11/04/2013	ND	200	100	200	0.0305	
DRO >C10-C28	<10.0	10.0	11/04/2013	ND	205	102	200	0.511	
Surrogate: 1-Chlorooctane	82.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	87.3	% 63.6-15	4						

#### Sample ID: PT. 6 (H302677-06)

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/04/2013	ND	400	100	400	0.00	
ТРН 8015М	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	11/04/2013	ND	200	100	200	0.0305	
DRO >C10-C28	<10.0	10.0	11/04/2013	ND	205	102	200	0.511	
Surrogate: 1-Chlorooctane	76.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	80.7	% 63.6-15	4						

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\*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/01/2013	Sampling Date:	11/01/2013
Reported:	11/06/2013	Sampling Type:	Soil
Project Name:	NEDU CENTRAL BATTERY NORTH INJEC	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: PT. 7 (H302677-07)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	de 80.0 16.0		11/04/2013 ND		400	100	400	0.00			
ТРН 8015М	mg,	/kg	Analyze	d By: MS				400 0.00 ue Value QC RPD Qual 200 0.0305			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	11/04/2013	ND	200	100	200	0.0305			
DRO >C10-C28	18.0	10.0	11/04/2013	ND	205	102	200	0.511			
Surrogate: 1-Chlorooctane	100	% 65.2-14	0			<u>, , , , , , , , , , , , , , , , , , , </u>			······································		
Surrogate: 1-Chlorooctadecane	109	% 63.6-15	4								

#### Sample ID: PT. 8 (H302677-08)

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	11/04/2013	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte Result		Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/04/2013	ND	200	100	200	0.0305	
DRO >C10-C28	19.3	10.0	11/04/2013	ND	205	102	200	0.511	
Surrogate: 1-Chlorooctane	108	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	121	% 63.6-15	4						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

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Celey Di Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/01/2013	Sampling Date:	11/01/2013
Reported:	11/06/2013	Sampling Type:	Soil
Project Name:	NEDU CENTRAL BATTERY NORTH INJEC	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: PT. 9 (H302677-09)

Chloride, SM4500Cl-B	mg,	/kg									
Analyte	Result	Reporting Limit	Analyzed	Method Blank	ethod Blank BS % Reco		True Value QC	RPD	Qualifier		
Chloride	<16.0 16.0		11/04/2013 ND		400	100	400	3.92			
TPH 8015M	mg,	/kg	Analyze	d By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	11/04/2013	ND	200	100	200	0.0305			
DRO >C10-C28	<10.0	10.0	11/04/2013	ND	205	102	200	0.511			
Surrogate: 1-Chlorooctane	92.7	% 65.2-14	0								
Surrogate: 1-Chlorooctadecane	102	% 63.6-15	4								

#### **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 whatscever 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 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 sample identified above. This report shall not be reproduced except in full with writen approval of Cardinal Lionatorites.

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 SM4500CI-B does not require samples be received at or below $6^{\circ}C$
	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

Page 7 of 8



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 8 of 8

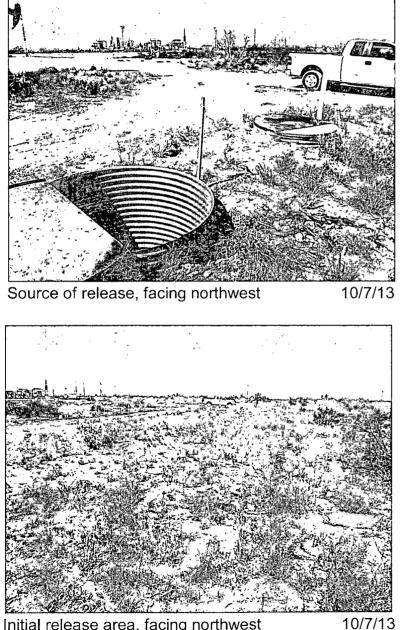
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# $\underset{\text{Photo Documentation}}{\text{Appendix } \mathbb{C}}$

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

## **Apache NEDU Central Tank Battery**

Unit Letter A, Section 10, T21S, R37E



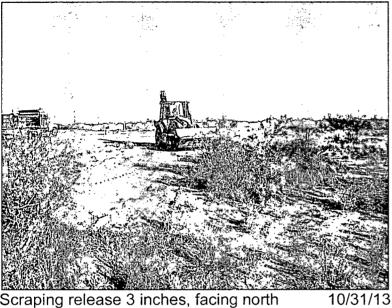
Initial release area, facing northwest

Initial release area, facing southwest 10/7/13 - 10/07/2013

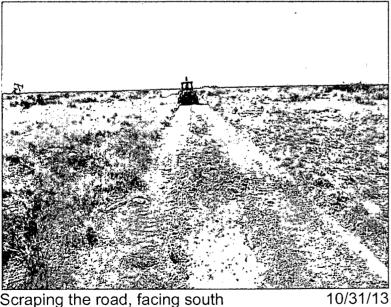
Initial release area, facing north

10/7/13

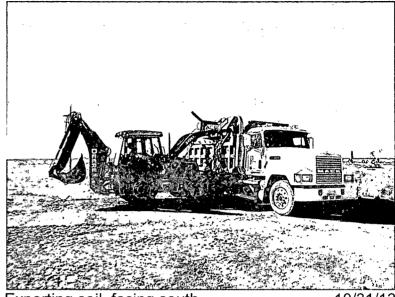
43



Scraping release 3 inches, facing north

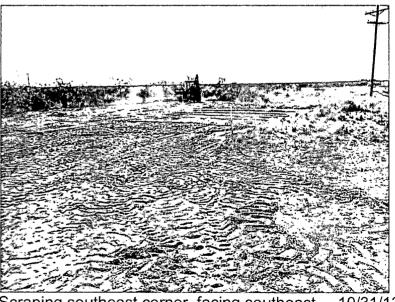


Scraping the road, facing south

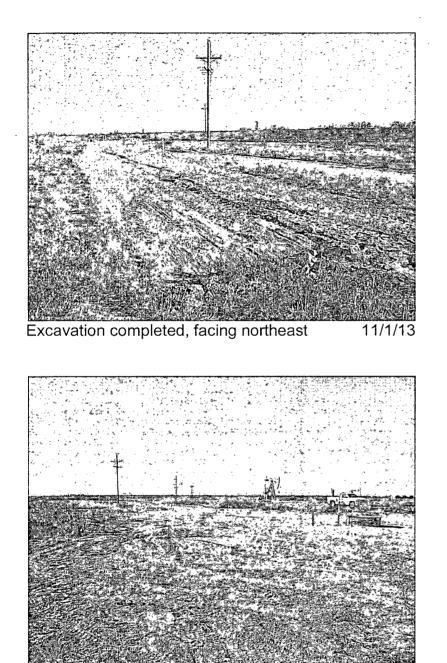


Exporting soil, facing south

10/31/13

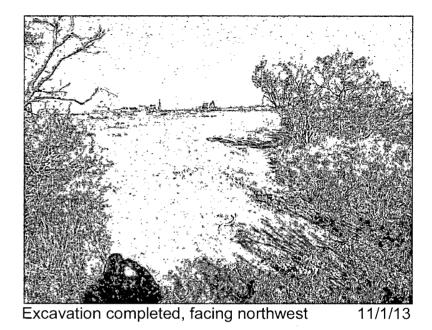


10/31/13 Scraping southeast corner, facing southeast



Excavation completed, facing southwest

11/1/13



Excavation completed, facing southeast 11/1/3

## 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

#### State of New Mexico Energy Minerals and Natural Resources

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

#### HOBBS OCD

Form C-141 Revised August 8, 2011

Report

JUN 1 8 2014 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

#### RECEIVED

			Rel	ease Notific	catio	n and Co	orrective A	ction	)						
			OPERATOR Initial Report I Final Repo												
Name of Co		Contact Bruce Baker													
		ne Eunice, N J Central Ta				Telephone No. (432) 631-6982   Facility Type   Battery									
(nearest we															
Surface Ow	ner WFM	1 Ranch Ltd	Et al	Mineral C	)wner				API N	o. 30-025	- <del>3702</del>	8-370	>26		
				LOCA	TIO	N OF REI	LEASE								
Unit Letter	Section	Township	Range	Feet from the	North	/South Line	Feet from the	East/V	Vest Line	County					
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land. A vacuu on October 7 <sup>th</sup> to assess the re- elevated field 3 inches bgs. I commercial la	<sup>th</sup> , 2013, Apa im truck was , 2013. An i elease. The chloride leve 3ottom grab boratory for	ache discovere called to the s initial C-141 w release was san els and relative samples were analysis and a	d a release ite and rec vas signed of npled at th ly low org collected f ll samples	from an injection l covered a total of 20 on October $14^{tb}$ , 20 te surface and the s anic vapor reading, from the base of the returned values bel isposal. On Novem	0 barrels 13 and s amples s. Reme scrape low regu	s of produced v submitted to N were field tests diation activiti and field testes flatory standard	vater. The line wa MOCD. RECS per ed for chlorides and es began at the site d for chlorides and ds for chlorides and	s repaire rsonnel v d organic e on Octo organic d TPH. A	ed and NM0 were on site c vapors. 2 ober 31 <sup>st</sup> , 2 vapors. The A total of 1	OCD was no e beginning o M1 nine surfa 013. The site ie samples w 08 cubic yar	tified o on Octo ace sam e was sc ere then ds of co	f the relea ber 7 <sup>th</sup> , 2 ples return craped do n taken to ontaminat	ase 013 rned wyn to 5 a ted		
regulations al public health should their o	l operators a or the envir perations ha ment. In ac	are required to onment. The ave failed to a dition, NMO	o report an acceptanc dequately CD accep	is true and compl d/or file certain re e of a C-141 repo investigate and re tance of a C-141 r	elease no rt by the emediate	otifications and NMOCD ma e contamination	nd perform correct arked as "Final Ro on that pose a three	tive acti eport" de eat to gre	ons for rel ocs not rel ound wate	eases which ieve the ope r, surface w	i may e crator o ater, hi	ndanger f liability ıman hea	y		
		Bale		. , .			OIL CON	E	ATION	DIVIS	S.	<b>V</b> ~			
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Title: Environ	mental Tec	h			4		e: 6/18/14		Expiration						
E-mail Addre	ss: larry.bak	er@apachecc	rp.com		0	Conditions of	Approval:	-		Attached					
Date: Le	1171	14	Phone:	(432) 631-6982						IRP-1	-13	3-29	187		