

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

HOBBS OCD

FEB 06 2014

RECEIVED

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Apache Corporation	Contact	Bruce Baker
Address	PO BOX 1849, Eunice, NM 88231	Telephone No.	(575) 394-1503
Facility Name	Mark Owens Battery (nearest, well #1)	Facility Type	Production Facility
Surface Owner	Unknown	Mineral Owner	State
		Lease No.	30-025-07037

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	35	21S	37E	1980	FSL	660	FWL	Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Produced water/oil	Volume of Release	5 oil/65 pw	Volume Recovered	5 oil/60 pw
Source of Release	Water Tanks	Date and Hour of Occurrence	9/26/12	Date and Hour of Discovery	Same
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Geoffrey Leking		
By Whom?	Natalie Gladden	Date and Hour	10/1/12 1035am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

DTW = 55'

Describe Cause of Problem and Remedial Action Taken.* Pumper tried to equalize the water tanks, which did not work properly. Therefore, both water tanks overflowed. Standing fluid was removed from inside the containment.

Describe Area Affected and Cleanup Action Taken.*

On September 27th, 2012, RECS personnel were on site to begin work on the Mark Owens Battery. Samples were taken from the release area from the surface and with depth. The surface samples were taken to a commercial laboratory for analysis of chlorides, GRO and DRO. The release area was scraped down six inches and the soil was exported to a NMOCD approved facility. A 5 point bottom composite was taken from the scraped area and sent to a commercial laboratory for analysis of chlorides, GRO, DRO and BTEX. The site was backfilled with clean, imported soil.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <u>Bruce Baker</u>	OIL CONSERVATION DIVISION		
Printed Name: Bruce Baker	Approved by District Supervisor <u>Geoffrey Leking</u> Environmental Specialist		
Title: <u>Environmental Tech</u>	Approval Date: <u>02/06/14</u>	Expiration Date: <u>-</u>	
E-mail Address: <u>larry.baker@apachecorp.com</u>	Conditions of Approval: <u>-</u>	Attached <input type="checkbox"/>	
Date: <u>8-30-13</u> Phone: (575) 394-1503	IRP-06-14-3092		

* Attach Additional Sheets If Necessary

NSAD1416837551



EXPLORING WHAT'S POSSIBLE

HOBBS OCD

FEB 06 2014

RECEIVED

APACHE CORPORATION

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

Mark Owens Battery

Termination Report

API 30-025-07037

Release Date: September 26th, 2012

Unit Letter L, Section 35, Township 21S, Range 37E

Rice Environmental Consulting & Safety

P.O. Box 2948 Hobbs, NM 88241

Phone 575.393.2967

June 6th, 2013

Mr. Geoff Leking

New Mexico Energy, Minerals, & Natural Resources

Oil Conservation Division, Environmental Bureau – District 1

1625 N. French Drive

Hobbs, New Mexico 88240

RE: Termination Request

Apache Corporation - Mark Owens Battery

UL/L sec. 35 T21S R37E

API No. 30-025-07037

Mr. Leking:

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

Background and Previous Work

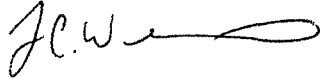
The site is located 1 mile east of Eunice, New Mexico in Unit Letter 'L', sec. 35, T21S R37E in Lea County. Groundwater in this area is predicted at 90 ft bgs. On September 26th, 2012, a pumper tried to equalize water tanks at the site, which did not work properly, causing both water tanks to overflow. A total of 5 barrels of oil and 65 barrels of produced water were released. The standing fluid, 5 barrels of oil and 60 barrels of produced water, was removed from inside the containment walls. An initial C-141 was submitted to NMOCD on October 1st, 2012 (Appendix A).

On September 27th, 2012, RECS personnel were on site to begin work on the Mark Owens Battery. Samples were taken from the release area from the surface and with depth (Figure 1). The surface samples were taken to a commercial laboratory for analysis of chlorides, GRO and DRO (Appendix B). Due to safety concerns, the release area was scraped down six inches and the soil was exported to a NMOCD approved facility. A 5 point bottom composite was taken from the scraped area and sent to a commercial laboratory for analysis of chlorides, GRO, DRO and BTEX (Figure 2). The site was backfilled with clean, imported soil. Photo documentation of this can be found in Appendix C.

Since the impacted soil was removed from the battery to 6 inches and replaced with clean, imported soil, RECS, on behalf of Apache Corporation, 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) 631-6432 if you have any questions or wish to discuss the site.

Sincerely,

A handwritten signature in black ink, appearing to read 'J.C.W.' followed by a long, horizontal, wavy line.

Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

Attachments:

- Figure 1 – Initial Sampling Data
- Figure 2 – 5 pt Bottom Composite
- Appendix A – Initial C-141
- Appendix B – Laboratory Analyses
- Appendix C – Photo Documentation
- Appendix D – Final C-141





Figures

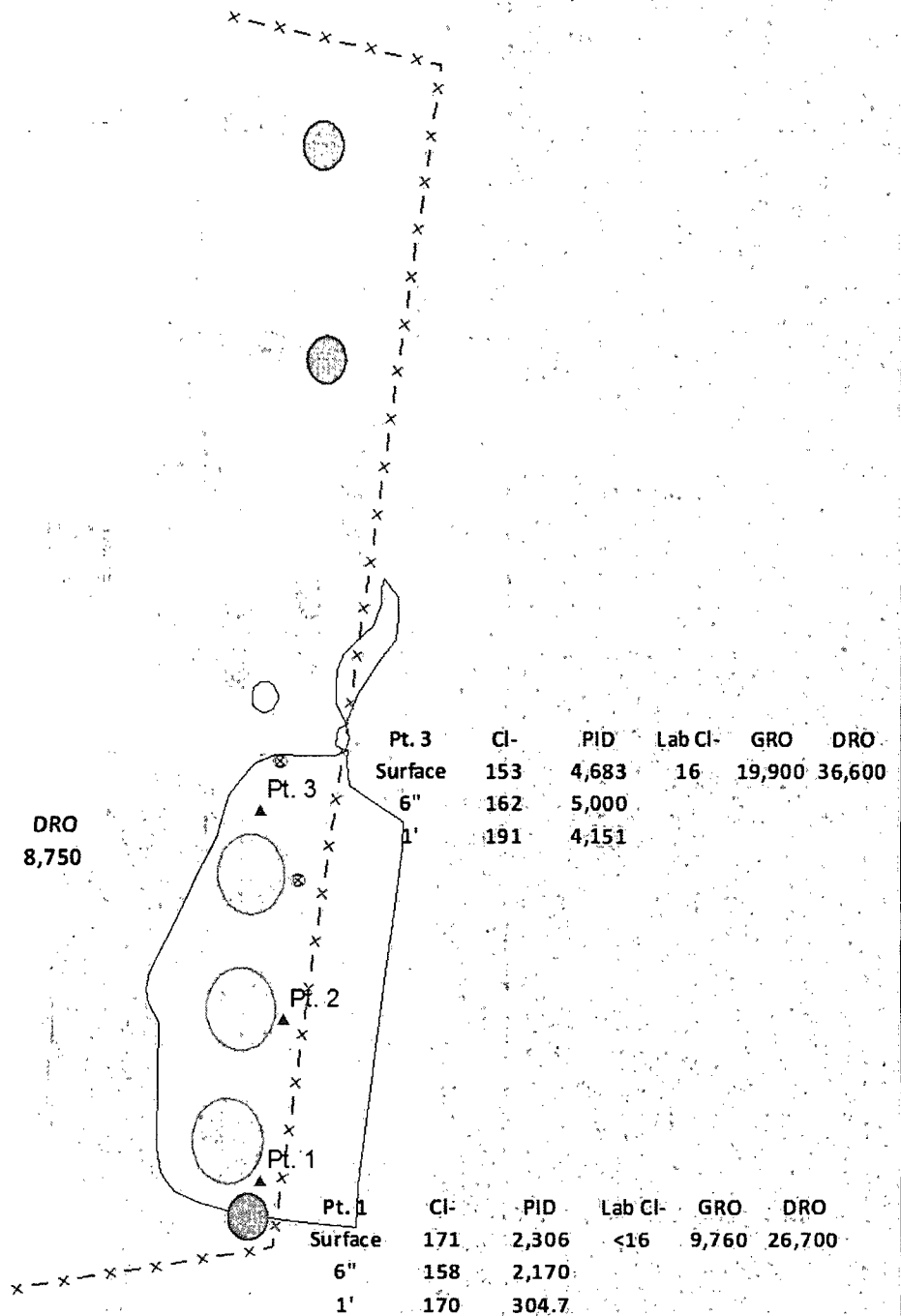
RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

Initial Sampling Data

Pt. 2	Cl-	PID	Lab Cl-	GRO	DRO
Surface	793	3,744	976	4,430	8,750
6"	437	140.9			
1'	197	683.7			
1'6"	267	256.7			
2'	470	534			

Legend

- ⊗ PUMP
- ▲ SAMPLE POINTS
- x - x - FENCE
-  500 BARRELL TANK
-  FLUID TANK
-  HEATER TREATER
-  STAIN (2,169 sq ft)



Landowner: Geraldine Osborn
DGW = 90 ft.



APACHE MARK OWENS BATTERY AD

LEGALS: UL/L sec. 35
T-21-S R-37-E
LEA COUNTY, NM

Figure 1



0 20 40
Feet

GPS date: 9/27/12 RP
Drawing date: 10/10/12
Drafted by: L. Weinheimer

5 pt Bottom Composite

5 pt. Bottom Comp	CI- 310	PID 306.1	Lab CI- 272	GRO 517	DRO 4780
	B	T	E	X	Total BTEX
	0.327	4.23	7.07	18.6	30.2

Legend

- ▲ FINAL SAMPLE POINTS
- ✂ DEADMAN
- ELECTRICAL POLE
- LIGHT POLE
- UNLOADING POINT
- - BURIED ELECTRICAL LINE
- - BURIED PIPELINE
- x - FENCE
- ▭ SCRAPE
- - - BURIED AIR HOSE
- DIKE
- ELECTRICAL PANEL
- - - LINE FINDER HIT
- RISER
- ▤ STAIRS
- SURFACE CHEMICAL LINE
- - - SURFACE ELECTRICAL CHANNEL
- OVERHEAD ELECTRICAL LINES
- PAD
- SURFACE PIPELINE
- ▭ CHEMICAL
- ▭ COMPRESSOR
- ▨ CROSSOVER
- ▭ PUMP
- ▭ RISER BASE
- ▭ TREATER
- ▭ VALVE SHED
- ▭ TANK
- ▭ STAIN (2,169 sq ft)

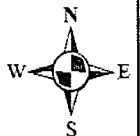
Landowner: Geraldine Osborn
DGW = 90 ft.



APACHE MARK OWENS BATTERY AD

LEGALS: UL/L sec. 35
T-21-S R-37-E
LEA COUNTY, NM

Figure 2



0 20 40
Feet

GPS date: 10-11-12 TG
Drawing date: 10/12/12
Drafted by: TONY GRIECO

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
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Apache Corporation	Contact Natalie Gladden	
Address PO Box 1849, Eunice NM 88231	Telephone No. 575-390-4186	
Facility Name Mark Owen Battery (nearest, well #1)	Facility Type Production Facility	
Surface Owner Unknown	Mineral Owner State	API No. 30-025-07037

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	35	21S	37E	1980	FSL	660	FWL	Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Produced Water/Oil	Volume of Release 5 oil/65 pw	Volume Recovered 5 oil/60 pw
Source of Release Water tanks.	Date and Hour of Occurrence 09/26/12	Date and Hour of Discovery Same
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoffrey Leking	
By Whom? Natalie Gladden	Date and Hour 10/01/12 1035am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

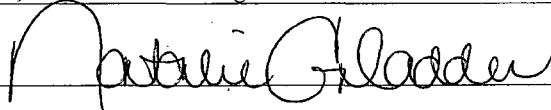
Describe Cause of Problem and Remedial Action Taken.*

Pumper tried to equalize the water tanks, which did not work properly, therefore causing both water tanks to overflow. Standing fluid was removed from inside the containment walls.

Describe Area Affected and Cleanup Action Taken.*

Initial sampling has taken place and site will be remediated and closed to meet the NMOCD Guidelines.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Natalie Gladden	Approved by Environmental Specialist:	
Title: Sr. Environmental Tech	Approval Date:	Expiration Date:
E-mail Address: natalie.gladden@apachecorp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 10/01/12 Phone: 575-390-4186		

* Attach Additional Sheets If Necessary

Appendix B

Laboratory Analyses

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

October 10, 2012

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: MARK OWENS BATTERY AD

Enclosed are the results of analyses for samples received by the laboratory on 10/05/12 10:19.

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 accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/05/2012	Sampling Date:	09/27/2012
Reported:	10/10/2012	Sampling Type:	Soil
Project Name:	MARK OWENS BATTERY AD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Hope S. Moreno
Project Location:	EUNICE, NM		

Sample ID: PT. 1 SURFACE (H202425-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/08/2012	ND	416	104	400	3.92	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	9760	100	10/05/2012	ND	210	105	200	4.24	
DRO >C10-C28	26700	100	10/05/2012	ND	209	105	200	7.91	

Surrogate: 1-Chlorooctane 399 % 65.2-140

Surrogate: 1-Chlorooctadecane 288 % 63.6-154

Sample ID: PT. 2 SURFACE (H202425-02)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	10/08/2012	ND	416	104	400	3.92	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4430	50.0	10/05/2012	ND	210	105	200	4.24	
DRO >C10-C28	8750	50.0	10/05/2012	ND	209	105	200	7.91	


Surrogate: 1-Chlorooctane 163 % 65.2-140

Surrogate: 1-Chlorooctadecane 162 % 63.6-154

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 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. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 10/05/2012
Reported: 10/10/2012
Project Name: MARK OWENS BATTERY AD
Project Number: NONE GIVEN
Project Location: EUNICE, NM

Sampling Date: 09/27/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Hope S. Moreno

Sample ID: PT. 3 SURFACE (H202425-03)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/08/2012	ND	416	104	400	3.92	
TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	19900	200	10/05/2012	ND	210	105	200	4.24	
DRO >C10-C28	36600	200	10/05/2012	ND	209	105	200	7.91	

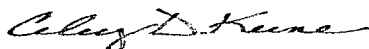
Surrogate: 1-Chlorooctane 593 % 65.2-140

Surrogate: 1-Chlorooctadecane 330 % 63.6-154

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 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. Keene, Lab Director/Quality Manager

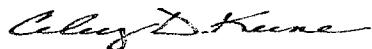
Notes and Definitions

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.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
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 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 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.



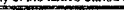


Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

PLEASE NOTE: Liability for Damages. Cardinal's liability and clients' exclusive remedy for any claim arising out of or in relation to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise, shall be limited to the amount paid by the client for the applicable fee. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by the client, its subsidiaries or affiliates or successors arising out of or in relation to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: 	Date: 10.5.12 Time: 10:19	Received By: 	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #:
	Time:		REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: (Initials) 	email results W.G. Ladden @ apache corp.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 505-393-2476

November 01, 2012

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: MARK OWENS BATTERY AD

Enclosed are the results of analyses for samples received by the laboratory on 10/29/12 8:35.

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.

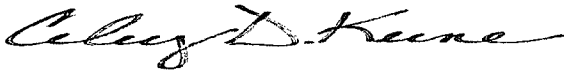
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 10/29/2012
 Reported: 11/01/2012
 Project Name: MARK OWENS BATTERY AD
 Project Number: NONE GIVEN
 Project Location: EUNICE, NM

 Sampling Date: 10/26/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 5 PT. BOTTOM (H202624-01)

BTEX 8021B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.327	0.050	10/31/2012	ND	2.25	113	2.00	16.1	
Toluene*	4.23	0.050	10/31/2012	ND	2.49	124	2.00	17.3	
Ethylbenzene*	7.07	0.050	10/31/2012	ND	2.48	124	2.00	17.4	
Total Xylenes*	18.6	0.150	10/31/2012	ND	7.46	124	6.00	17.3	
Total BTEX	30.2	0.300	10/31/2012	ND					

Surrogate: 4-Bromofluorobenzene (PID) 841 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	10/30/2012	ND	416	104	400	3.77	

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	517	50.0	10/30/2012	ND	197	98.6	200	0.0806	
DRO >C10-C28	4780	50.0	10/30/2012	ND	214	107	200	1.69	


Surrogate: 1-Chlorooctane 127 % 65.2-140

Surrogate: 1-Chlorooctadecane 156 % 63.6-154

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*=Accredited Analyte

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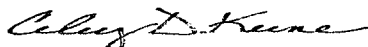
Notes and Definitions

- 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.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

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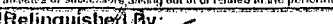
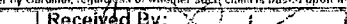





Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Relinquished By: 	Date: 10-29-12 Time: 0730	Received By: 	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #: Add'l Fax #:
Relinquished By: 	Date: 10-29-12 Time: 0835	Received By: 	REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact -185 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: 	email results natalie.gladden@apachecorp.com Zconder@rice-ecs.com; Bbaker@rice-ecs.com; hconder@rice-ecs.com; Lweinheimer@rice-ecs.com; JKAMPLAIN@RICE-ECs.COM	

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

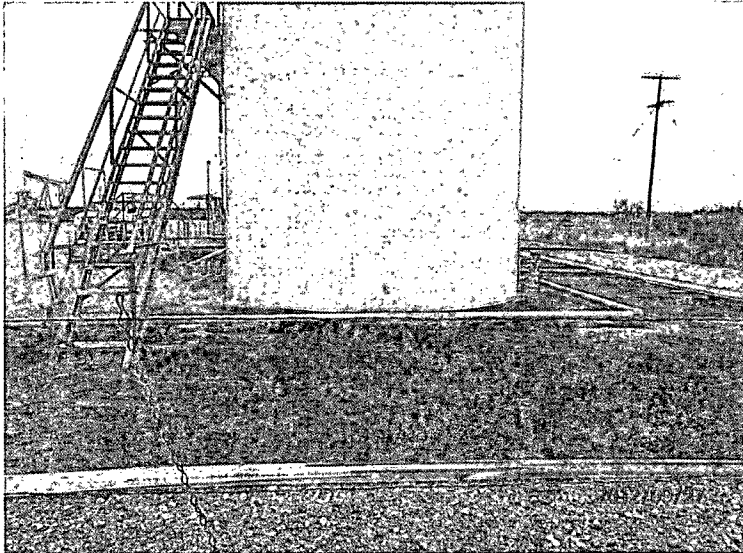
Appendix C

Photo Documentation

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

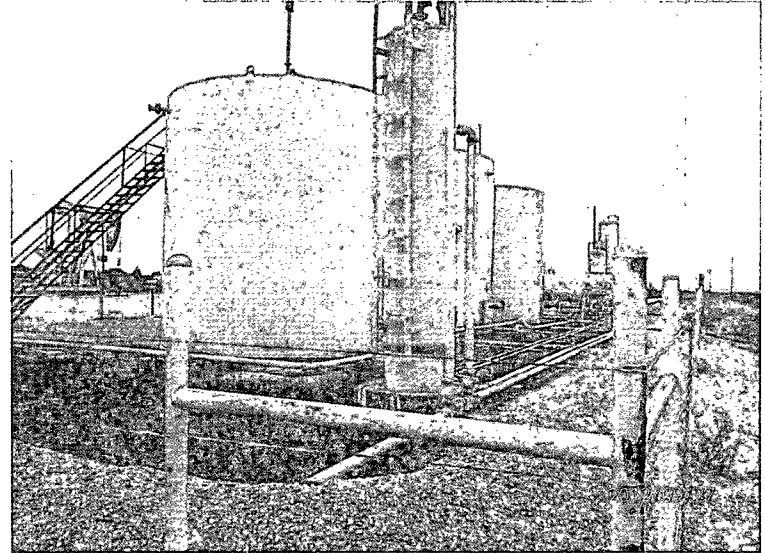
Apache Mark Owens Battery AD

Unit Letter L, Section 35, T21S, R37E



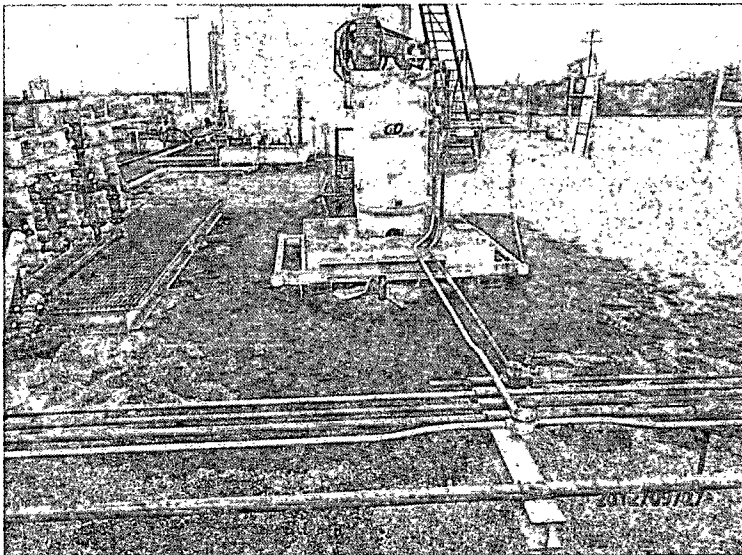
Initial release area, facing north

9/27/12



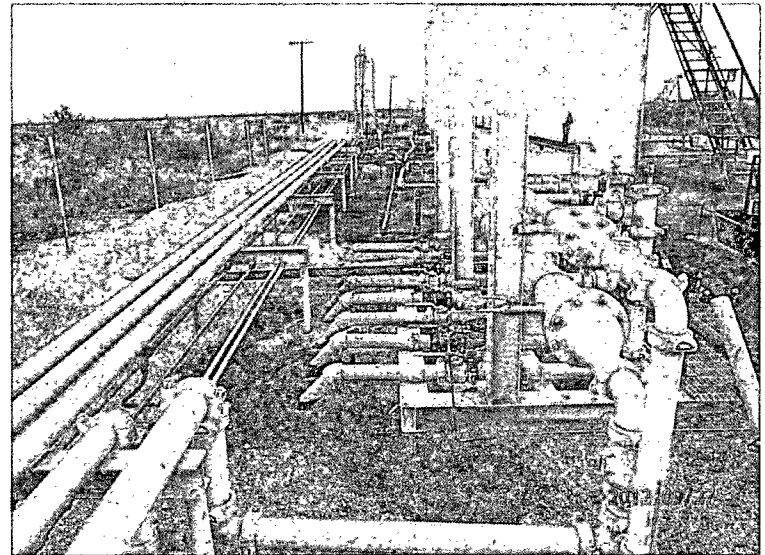
Initial release area, facing northwest

9/27/12



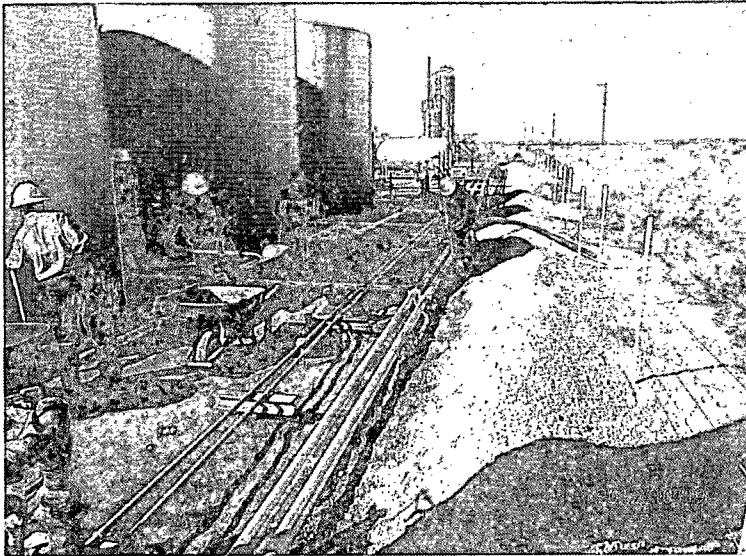
Initial release area, facing south

9/27/12

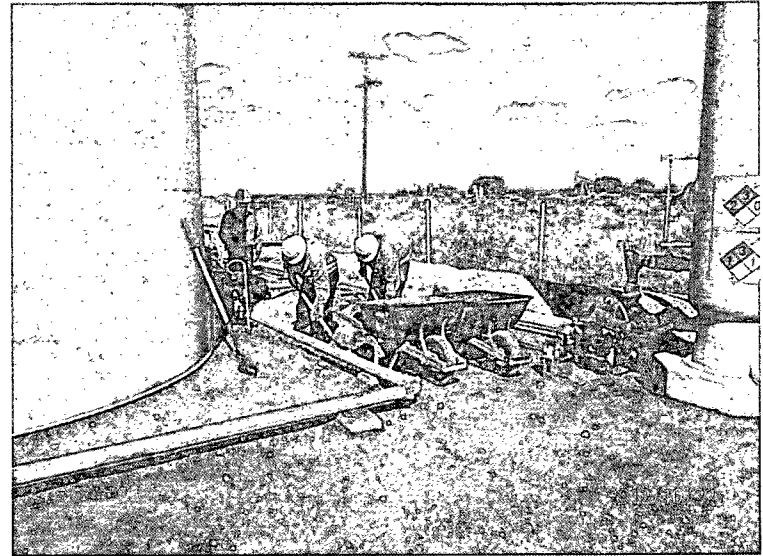


Initial release area, facing south

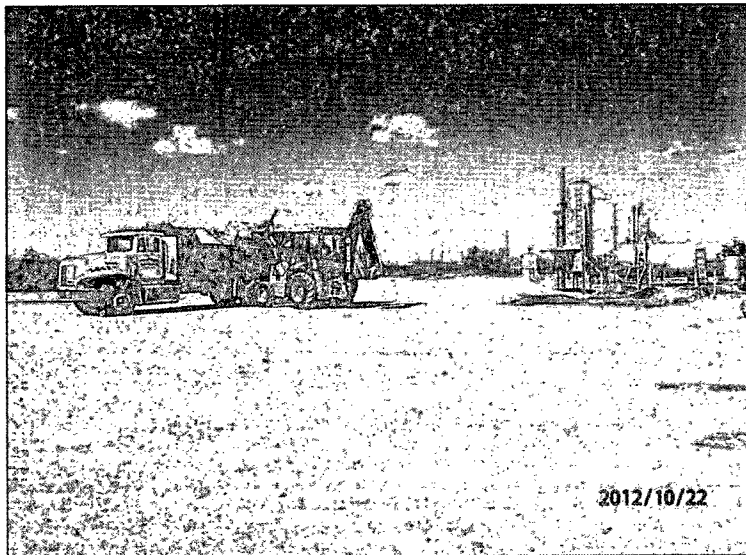
9/27/12



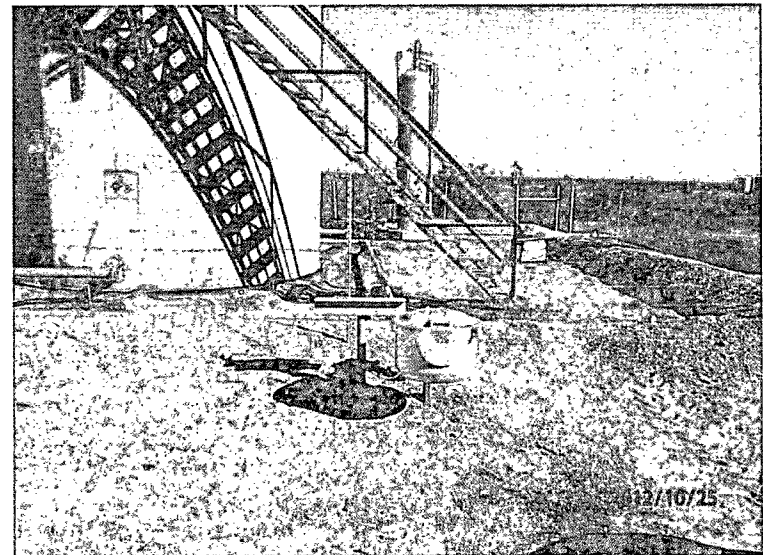
Removing contaminated soil, facing north 10/19/12



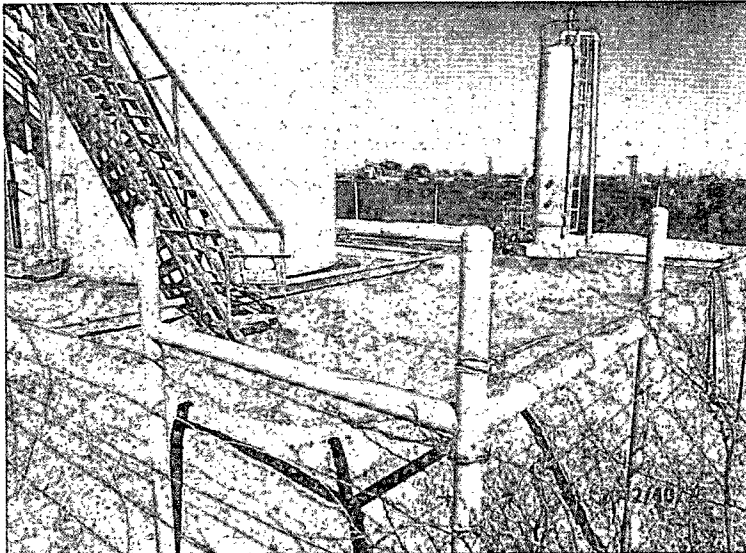
Removing contaminated soil, facing northeast
10/22/12



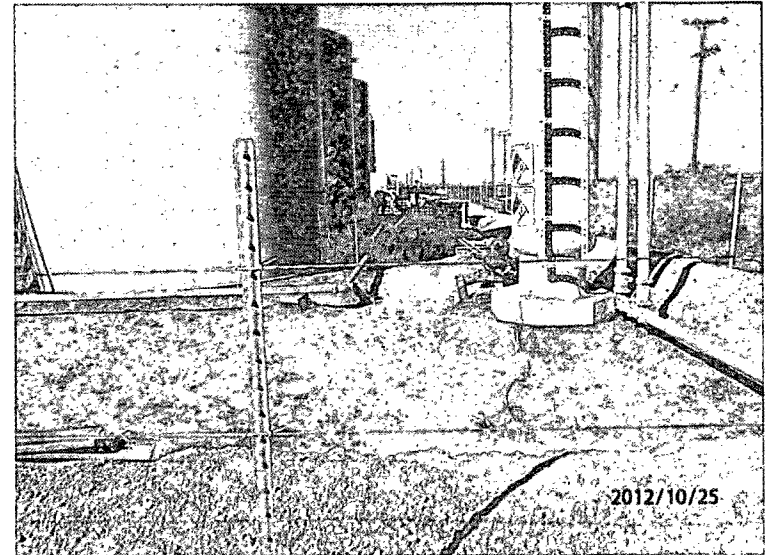
Exporting soil, facing north 10/22/12



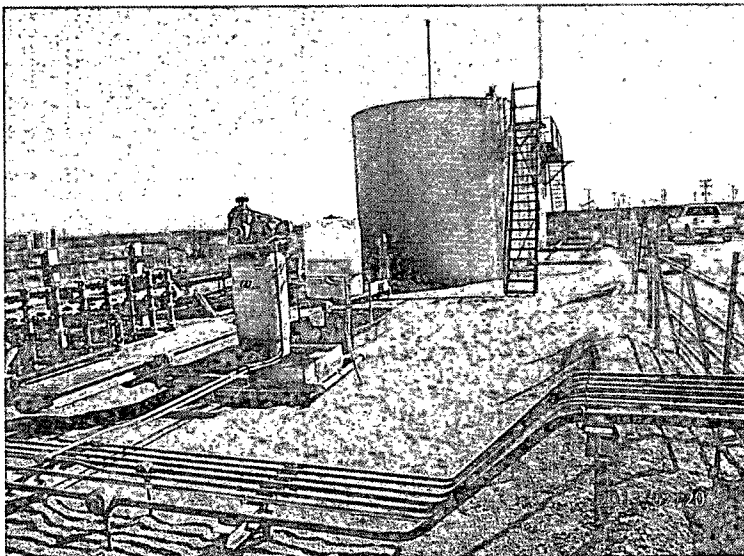
Scrape completed, facing east 10/25/12



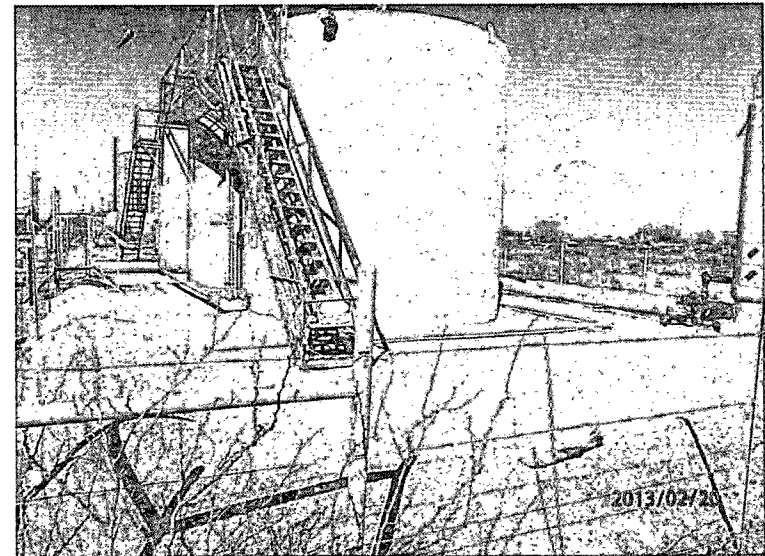
Scrape completed, facing northeast 10/25/12



Scrape completed, facing north 10/25/12



Site backfilled, facing southeast 2/20/13



Site backfilled, facing northeast 2/20/13

Appendix D

Final C-141

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