

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

OCT 10 2013

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

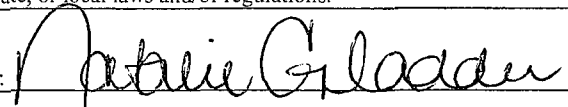
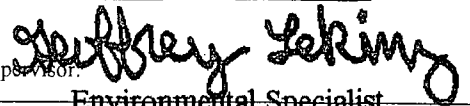
Name of Company	Apache Corp.	Contact	Natalie Gladden
Address	P.O. Box 1849, Eunice, NM, 88231	Telephone No.	(575) 390-4186
Facility Name	Hawk A #25	Facility Type	Production Well
Surface Owner	Deck Estate	Mineral Owner	State of NM
		Lease No.	30-025-38441

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	8	21S	37E	330	FNL	2310	FWL	Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Oil/Produced Water	Volume of Release	10 bbl	Volume Recovered	0 bbl
Source of Release	Flow Line	Date and Hour of Occurrence	12/06/11	Date and Hour of Discovery	12/06/11
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Geoffrey Leking		
By Whom?	Natalie Gladden	Date and Hour	12/07/11 11:50 am		
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 = 80'					
Describe Cause of Problem and Remedial Action Taken.* Flow line busted due to cold weather.					
Describe Area Affected and Cleanup Action Taken.* The leak affected the caliche pad surrounding the well head. Impacted soils were removed to a NMOCD approved disposal facility. Representative soil samples were collected from the excavation and sent to a commercial laboratory for chloride and TPH confirmation. The excavation was backfilled with clean caliche and leveled.					
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:					
Printed Name:	Natalie Gladden				
Title:	EH&S Environmental Tech				
E-mail Address:	Natalie.gladden@apachecorp.com				
Date:	Phone: (575) 390-4186				
		OIL CONSERVATION DIVISION			
					
		Approved by District Supervisor Environmental Specialist			
		Approval Date: 10/10/13		Expiration Date: -	
		Conditions of Approval: -		Attached <input type="checkbox"/>	
				IRP-10-13-2972	

* Attach Additional Sheets If Necessary

JUN 10 2014

NSAD1416052284



EXPLORING WHAT'S POSSIBLE

APACHE CORPORATION

P.O.Box 1849

Eunice, NM 88231

Phone 575.394.3159

Hawk A #25

Closure Report

API 30-025-38441

Release Date: December 6, 2011

Unit Letter C, Section 8, Township 21S, Range 37E

Rice Environmental Consulting & Safety

P.O. Box 5630 Hobbs, NM 88241

Phone 575.393.4411 Fax 575.393.0293

May 8, 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 – Hawk A #25 AD

UL/C sec. 8 T21S R37E

API No. 30-025-38441

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 produced water and crude oil associated with the Hawk A #25. A flow line ruptured, releasing fluid onto the caliche pad surrounding the well head. An initial form C-141 was submitted by Apache Corporation on December 7, 2011 (Appendix A). The site is located northwest of Eunice, in unit letter 'C' of section 8, T21S, R37E in Lea County, New Mexico.

On December 6, 2011, RECS personnel initiated work on the Hawk A #25 (Figure 1). Surface soil samples were collected and field tested for chloride. Headspace measurements were also taken in the field using a Photo Ionization Detector (PID). The samples were submitted to a commercial laboratory for chloride and TPH (GRO/DRO) analyses (Appendix C). Chloride ranged from <16.0 ppm (parts per million or mg/kg) to 368 ppm. TPH ranged from 1,348 ppm to 38,400 ppm. The leak area was excavated approximately 6 inches below ground surface.

On December 8, 2011, RECS personnel collected and field tested representative grab samples from the excavation floor (Figure 2). The samples were submitted to a laboratory for chloride and TPH analyses. In all samples, chloride did not exceed 192 ppm, and TPH was <10.0 ppm (Appendix C).


Impacted soils were removed from the excavation and transported to a NMOCD approved disposal facility. The excavation was backfilled with clean caliche and leveled. 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 Baker
Head Foreman
RECS
(575) 631-5157

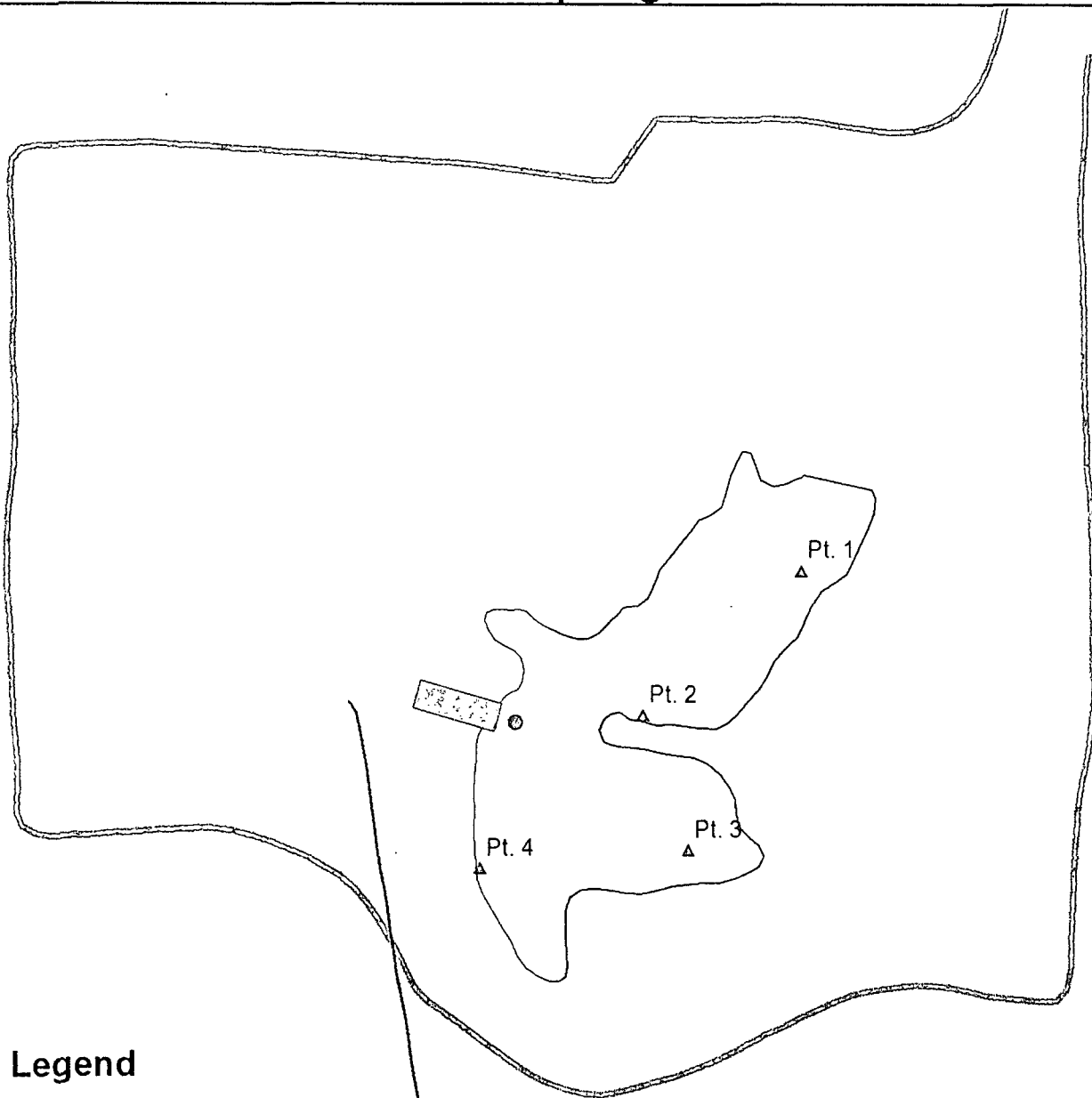
Attachments:

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








Figures

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

Initial Sampling Data



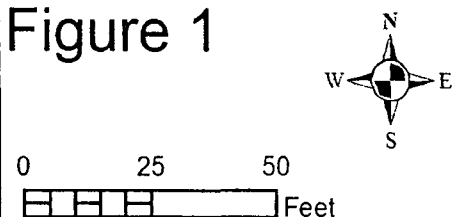
Legend

-  ELECTRICAL POLE
-  SAMPLE POINT
-  WELLHEAD
-  ELECTRIC LINE
-  PAD
-  PUMPJACK
-  STAIN (4,702 sq ft)

INITIAL SAMPLING LAB DATA

Sample Description	Cl-	GRO	DRO
Pt 1 surface	<16	9,300	29,100
Pt 2 surface	368	1,620	4,540
Pt 3 surface	<16	787	561
Pt 4 surface	64	429	1,420

Figure 1



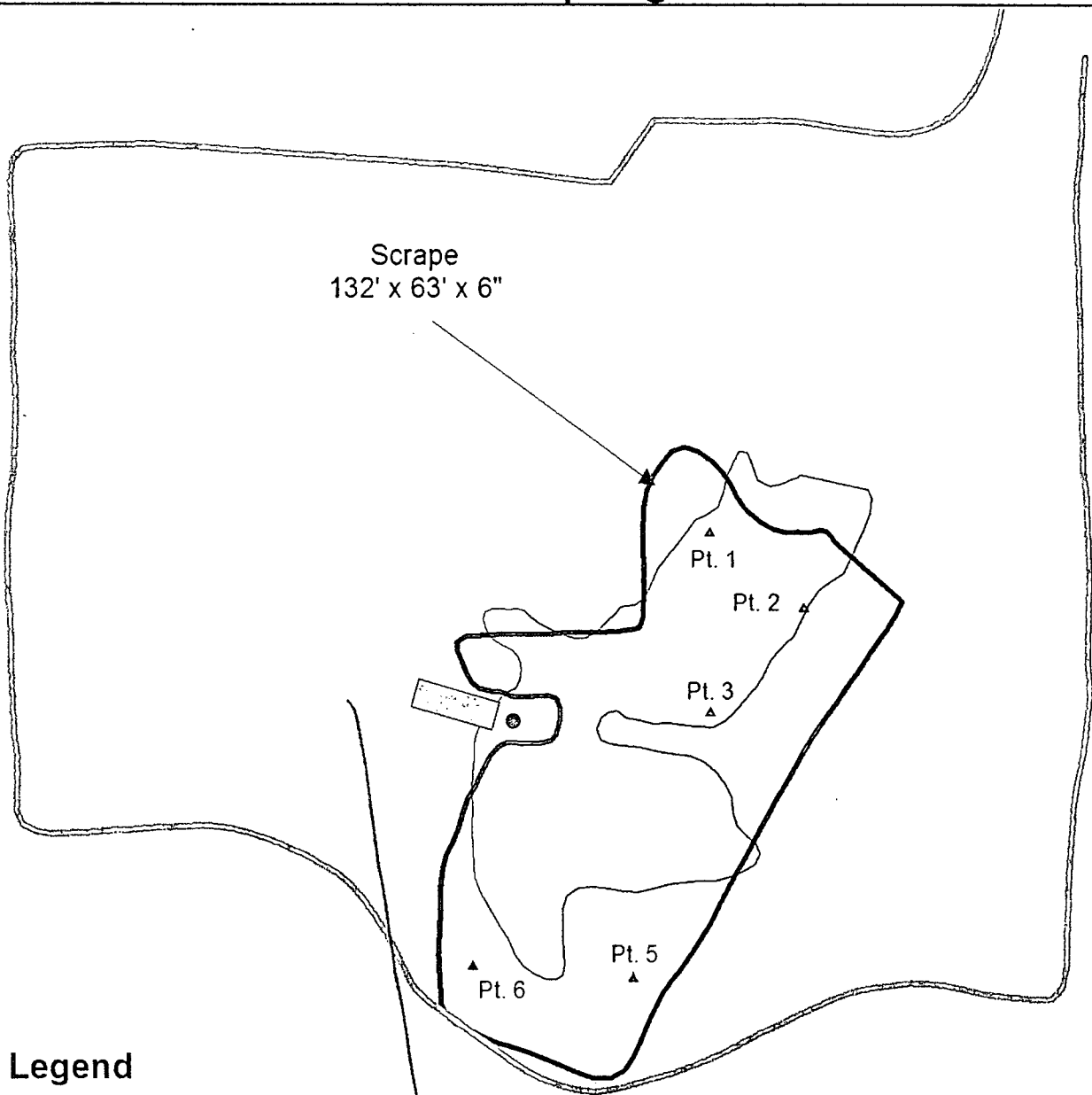
GPS date: 12/8/11 by RP
 Drawing date: 12/12/11
 Drafted by: T. Grieco, L. Weinheimer



APACHE HAWK A #25 AD

UL/C SECTION 8
 T-21-S R-37-E
 LEA COUNTY, NM

Final Sampling Data



FINAL LAB SAMPLING DATA

Sample Description	Cl-	GRO	DRO
Pt 1 bottom	64	<10	<10
Pt 2 bottom	192	<10	<10
Pt 3 bottom	192	<10	<10
Pt 4 bottom	192	<10	<10
Pt 5 bottom	<16	<10	<10
Pt 6 bottom	48	<10	<10



APACHE HAWK A #25 AD

UL/C SECTION 8
T-21-S R-37-E
LEA COUNTY, NM

Figure 2



0 25 50
Feet

GPS date: 12/8/11 by RP
Drawing date: 12/12/11
Drafted by: T. Grieco, L. Weinheimer

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

District I
1625 N. French Dr., Hobbs, NM 88240
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side of form

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 Hawk A #25	Facility Type Production Well

Surface Owner Deck Estate	Mineral Owner State of NM	Lease No. 30-025-38441
---------------------------	---------------------------	------------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	8	21S	37E	330'	FNL	2310'	FWL	Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Oil/Produced Water	Volume of Release 10	Volume Recovered 0
Source of Release Flowline	Date and Hour of Occurrence 12/6/11	Date and Hour of Discovery 12/06/11
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoffrey Leking	
By Whom? Natalie Gladden	Date and Hour 12/07/11 1150am	
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.*
Flowline busted due to cold weather.

Describe Area Affected and Cleanup Action Taken.*

Site will be remediated to NMOCD Standards

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>OIL CONSERVATION DIVISION</u>	
Printed Name: Natalie Gladden	Approved by District Supervisor:	
Title: EHS Environmental Tech	Approval Date:	Expiration Date:
E-mail Address: natalie.gladden@apachecorp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 12/07/11 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

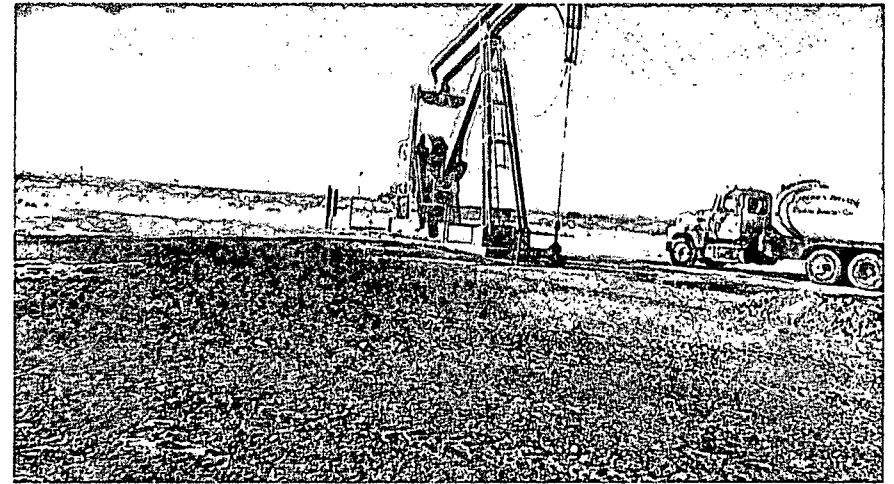
Apache Hawk A #25 AD

Unit C, Section 8, T21S, R37E



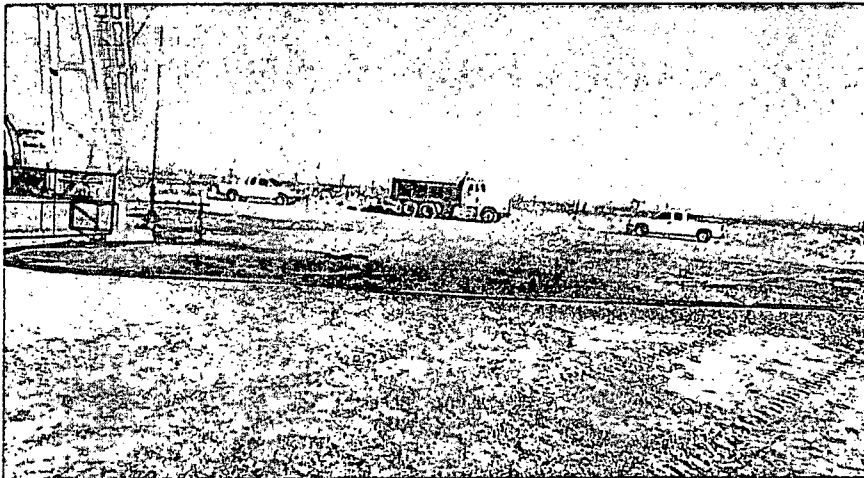
Location sign

12/6/11



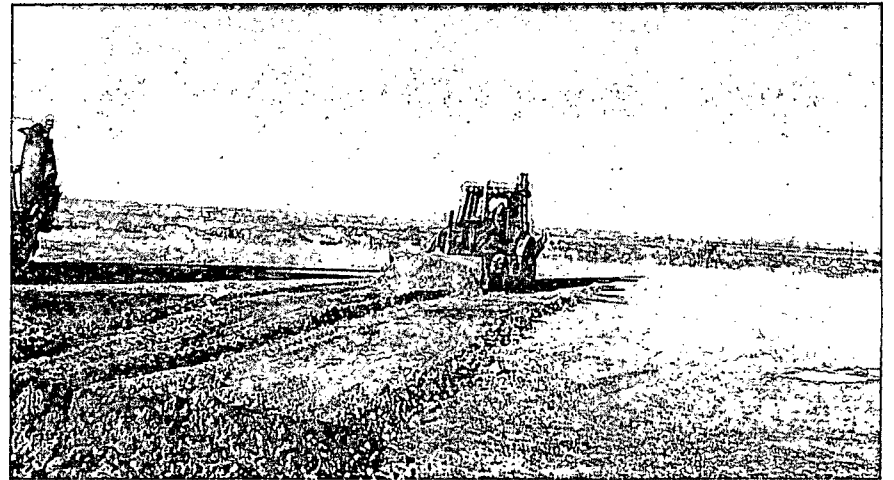
Initial leak facing west

12/6/11



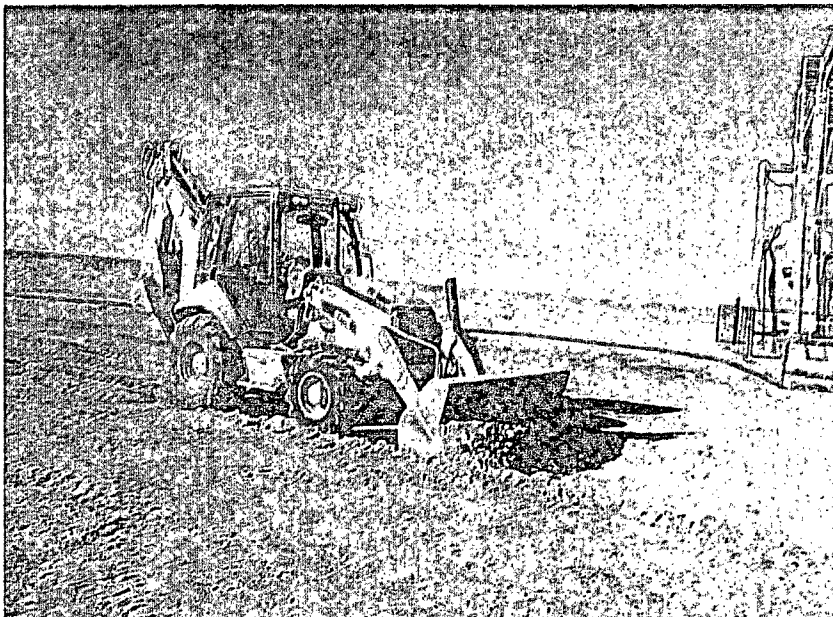
Initial leak, facing east

12/6/11



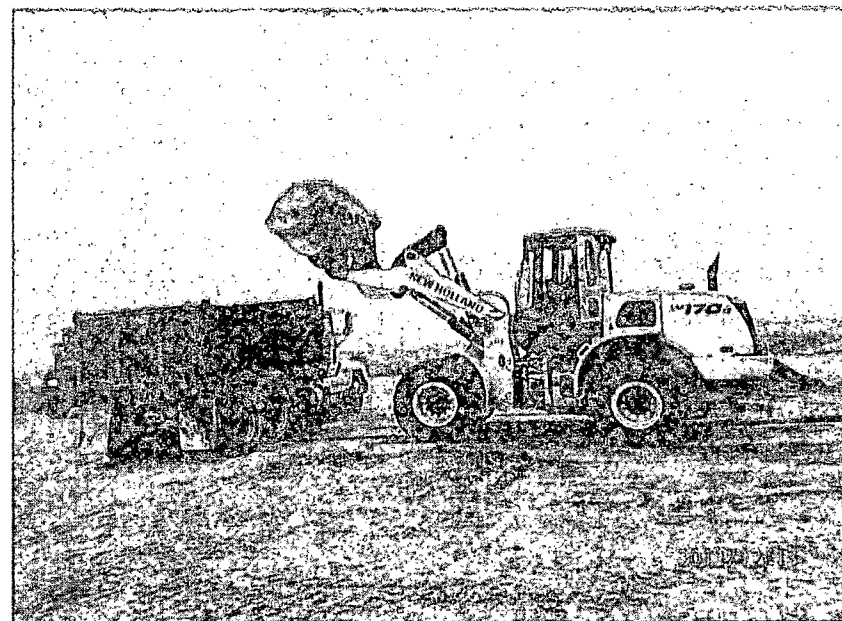
Scraping the leak, facing north

12/6/11



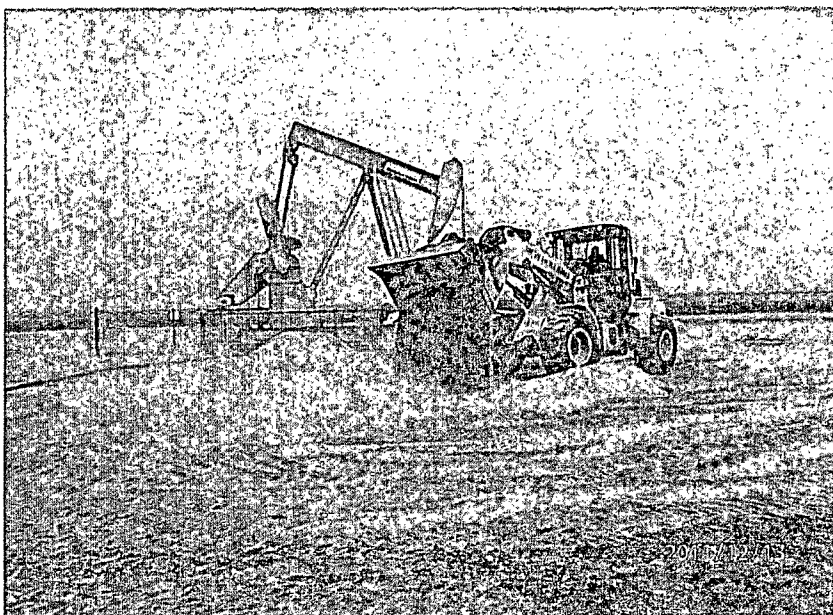
Scraping leak, facing west

12/8/11



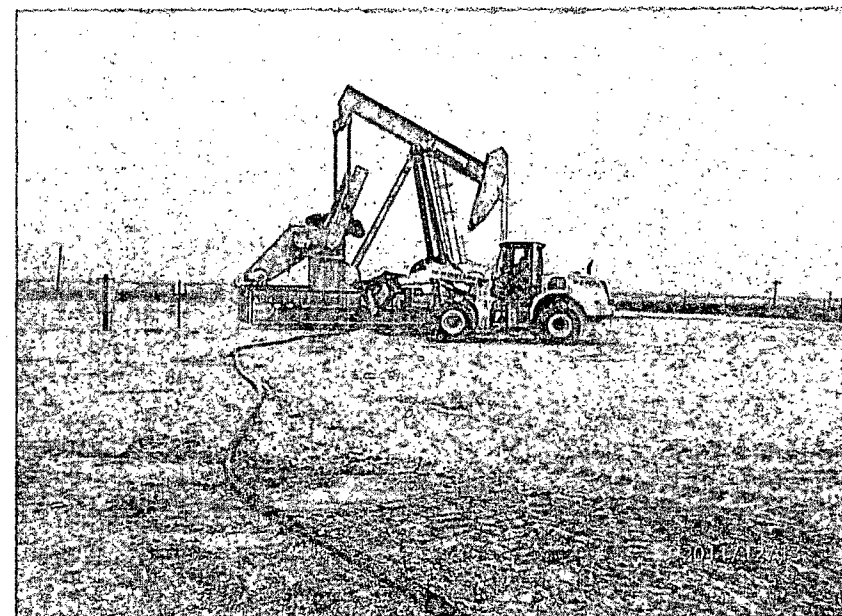
Exporting soil, facing east

12/13/11



Backfilling site, facing east

12/13/11



Site complete, facing east

12/13/11

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

Analytical Results For:

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

Received: 12/06/2011
Reported: 12/09/2011
Project Name: HAWK A #25
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/06/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 1 SURFACE (H102609-01)

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	12/07/2011	ND	416	104	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	9300	100	12/07/2011	ND	197	98.5	200	0.173	
DRO >C10-C28	29100	100	12/07/2011	ND	168	84.0	200	4.20	

Surrogate: 1-Chlorooctane 413 % 55.5-154

Surrogate: 1-Chlorooctadecane 503 % 57.6-158

Sample ID: PT. 2 SURFACE (H102609-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	12/07/2011	ND	416	104	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	1620	100	12/07/2011	ND	197	98.5	200	0.173	
DRO >C10-C28	4540	100	12/07/2011	ND	168	84.0	200	4.20	

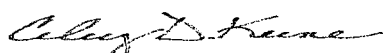
Surrogate: 1-Chlorooctane 144 % 55.5-154

Surrogate: 1-Chlorooctadecane 88.3 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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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: 12/06/2011
Reported: 12/09/2011
Project Name: HAWK A #25
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/06/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 3 SURFACE (H102609-03)

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	12/07/2011	ND	416	104	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	787	100	12/07/2011	ND	197	98.5	200	0.173	
DRO >C10-C28	561	100	12/07/2011	ND	168	84.0	200	4.20	
Surrogate: 1-Chlorooctane		98.4 %	55.5-154						
Surrogate: 1-Chlorooctadecane		118 %	57.6-158						

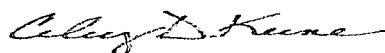
Sample ID: PT. 4 SURFACE (H102609-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/07/2011	ND	416	104	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	429	100	12/07/2011	ND	197	98.5	200	0.173	
DRO >C10-C28	1420	100	12/07/2011	ND	168	84.0	200	4.20	
Surrogate: 1-Chlorooctane	98.0 %	55.5-154							
Surrogate: 1-Chlorooctadecane	116 %	57.6-158							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

Company Name: <u>Apex Corp</u>		BILL TO		ANALYSIS REQUEST																	
Project Manager: <u>Robert P. Holden</u>		P.O. #:																			
Address:		Company:																			
City:		Attn:																			
Phone #:		Address:																			
Fax #:		City:																			
Project #:		State: Zip:																			
Project Name: <u>Hack A 125</u>		Phone #:																			
Project Location: <u>Ground</u>		Fax #:																			
Sampler Name: <u>Roberto Perra</u>																					
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		MATRIX		PRESERV		SAMPLING													
H102609																					
1 PT 1 surface		✓		✓		✓		✓													
2 PT 3 surface		✓		✓		✓		✓													
3 PT 3 surface		✓		✓		✓		✓													
4 PT 4 surface		✓		✓		✓		✓													

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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>Roberto Perra</u>	Date: <u>12-6-11</u>	Received By: <u>Jodi Benson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <u>20</u>			REMARKS: <u>Booker@nie-ecs.com</u> <u>Holder@nie-ecs.com</u> <u>106.jadden@apexcorp.com</u>	
Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			CHECKED BY: <u>JH</u>	

Analytical Results For:

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

Received: 12/08/2011
Reported: 12/14/2011
Project Name: HAWK A #25
Project Number: NONE GIVEN
Project Location: EUNICE

Sampling Date: 12/08/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT 1 BOTTOM AFTER SCRAPE (H102639-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/13/2011	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/13/2011	ND	190	95.0	200	0.365	
DRO >C10-C28	<10.0	10.0	12/13/2011	ND	184	92.2	200	5.17	

Surrogate: 1-Chlorooctane 85.6 % 55.5-154

Surrogate: 1-Chlorooctadecane 85.7 % 57.6-158

Sample ID: PT 2 BOTTOM AFTER SCRAPE (H102639-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/13/2011	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/13/2011	ND	190	95.0	200	0.365	
DRO >C10-C28	<10.0	10.0	12/13/2011	ND	184	92.2	200	5.17	

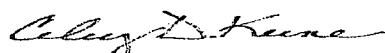
Surrogate: 1-Chlorooctane 83.8 % 55.5-154

Surrogate: 1-Chlorooctadecane 86.2 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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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: 12/08/2011
 Reported: 12/14/2011
 Project Name: HAWK A #25
 Project Number: NONE GIVEN
 Project Location: EUNICE

 Sampling Date: 12/08/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PT 3 BOTTOM AFTER SCRAPE (H102639-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/13/2011	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/13/2011	ND	190	95.0	200	0.365	
DRO >C10-C28	<10.0	10.0	12/13/2011	ND	184	92.2	200	5.17	
Surrogate: 1-Chlorooctane		81.4 %	55.5-154						
Surrogate: 1-Chlorooctadecane		81.7 %	57.6-158						

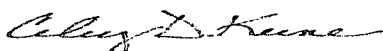
Sample ID: PT 4 BOTTOM AFTER SCRAPE (H102639-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/13/2011	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/13/2011	ND	190	95.0	200	0.365	
DRO >C10-C28	<10.0	10.0	12/13/2011	ND	184	92.2	200	5.17	
Surrogate: 1-Chlorooctane		93.1 %	55.5-154						
Surrogate: 1-Chlorooctadecane		95.4 %	57.6-158						

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* = Accredited Analyte

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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: 12/08/2011
Reported: 12/14/2011
Project Name: HAWK A #25
Project Number: NONE GIVEN
Project Location: EUNICE

Sampling Date: 12/08/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT 5 BOTTOM AFTER SCRAPE (H102639-05)

Chloride, SM4500CI-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	12/13/2011	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/13/2011	ND	190	95.0	200	0.365	
DRO >C10-C28	<10.0	10.0	12/13/2011	ND	184	92.2	200	5.17	
Surrogate: 1-Chlorooctane		89.7 %	55.5-154						
Surrogate: 1-Chlorooctadecane		91.9 %	57.6-158						

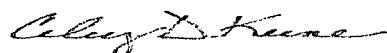
Sample ID: PT 6 BOTTOM AFTER SCRAPE (H102639-06)

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	12/13/2011	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/13/2011	ND	190	95.0	200	0.365	
DRO >C10-C28	<10.0	10.0	12/13/2011	ND	184	92.2	200	5.17	
Surrogate: 1-Chlorooctane		92.3 %	55.5-154						
Surrogate: 1-Chlorooctadecane		95.0 %	57.6-158						

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

Company Name: <u>Apache Corp.</u>		BILL TO		ANALYSIS REQUEST																						
Project Manager: <u>Natalie Gladson</u>		P.O. #:																								
Address:		Company:																								
City: State: <u>NM</u> Zip:		Attn:																								
Phone #: Fax #:		Address:																								
Project #: Project Owner:		City:																								
Project Name: <u>Hawk A #25</u>		State: Zip:																								
Project Location: <u>Spice</u>		Phone #:																								
Sampler Name: <u>Roberto Perra</u>		Fax #:																								
FOR LAB USE ONLY																										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING															
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME												
<u>H102639</u>																										
<u>1</u>	<u>pt 1 bottom after scrape</u>	<u>G</u>	<u>✓</u>			<u>✓</u>					<u>✓</u>		<u>12-8-11</u>	<u>11:00</u>	<u>✓</u>	<u>Chlorides</u>	<u>TPH*</u>									
<u>2</u>	<u>pt 2 bottom after scrape</u>	<u>G</u>	<u>✓</u>			<u>✓</u>					<u>✓</u>		<u>12-8-11</u>	<u>11:05</u>	<u>✓</u>											
<u>3</u>	<u>pt 3 bottom after scrape</u>	<u>G</u>	<u>✓</u>			<u>✓</u>					<u>✓</u>		<u>12-8-11</u>	<u>11:10</u>	<u>✓</u>											
<u>4</u>	<u>pt 4 bottom after scrape</u>	<u>G</u>	<u>✓</u>			<u>✓</u>					<u>✓</u>		<u>12-8-11</u>	<u>11:15</u>	<u>✓</u>											
<u>5</u>	<u>pt 5 bottom after scrape</u>	<u>G</u>	<u>✓</u>			<u>✓</u>					<u>✓</u>		<u>12-8-11</u>	<u>11:20</u>	<u>✓</u>											
<u>6</u>	<u>pt 6 bottom after scrape</u>	<u>G</u>	<u>✓</u>			<u>✓</u>					<u>✓</u>		<u>12-8-11</u>	<u>11:25</u>	<u>✓</u>											

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Relinquished By: <u>Roberto Perra</u>	Date: <u>12-8-11</u>	Received By: <u>Natalie Gladson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date: <u>12-8-11</u>	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Time:			REMARKS: <u>Please email; Bbaker@rice-ecs.com;</u>
Delivered By: (Circle One)	Sample Condition	CHECKED BY:	<u>zcondor@rice-ecs.com; Lashkelmer@rice-ecs.com</u>
Sampler - UPS - Bus - Other:	<u>21°C</u> Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>gth</u> (initials)	<u>H. Conder@rice-sud.com; N. Gladson@apachecorp.com</u>
			<u>* Added as per Perra 12/12/11</u>

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