

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

DEC 21 2011

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 Natalie Gladden
Address PO Box 1849, Eunice NM 88240	Telephone No. 575-390-4186
Facility Name McDonald AC 2 #33	Facility Type Producer
Surface Owner Deck	Mineral Owner State
API No. 30-025-26012	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	13	22S	36E	2160	FSL	330	FEL	Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Produced water/hydrocarbons.	Volume of Release 7 bbls	Volume Recovered 0
Source of Release Poly line	Date and Hour of Occurrence 06/28/11	Date and Hour of Discovery 06/28/11
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
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=75'

Describe Cause of Problem and Remedial Action Taken.*
The poly line split due to heat.

Describe Area Affected and Cleanup Action Taken.*
An approximate area of 7,084 ft² was affected by the leak. The area was excavated to 2 ft. below ground surface. Samples were collected and sent to a commercial laboratory for chloride analysis. A total of 396 cubic yards was taken to a NMOCD approved disposal facility and the excavation 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: <i>Natalie Gladden</i>	OIL CONSERVATION DIVISION <i>Jeffrey Sekins</i> Environmental Specialist	
Printed Name: Natalie Gladden	Approved by District Supervisor	
Title: EHS Environmental Tech	Approval Date: 12/21/11	Expiration Date: -
E-mail Address: natalie.gladden@apachecorp.com	Conditions of Approval: -	Attached <input type="checkbox"/>
Date: 12-16-11 <i>HPC</i> Phone: 575-390-4186		IRP-06-14-3095

* Attach Additional Sheets If Necessary

JUN 18 2014

NISAD1416853494

R



EXPLORING WHAT'S POSSIBLE

HOBBS OCD

DEC 21 2011

RECEIVED

APACHE CORPORATION

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

Mc Donald AC-2 #33

Closure Report

API 30-025-26012

Release Date: June 28, 2011

Unit Letter I, Section 13, Township 22S, Range 36E

Rice Environmental Consulting & Safety

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

September 22, 2011

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

**RE: TERMINATION REQUEST
Apache – McDonald AC 2 #33 AD
UL/I sec. 13 T22S R36E**

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 fluids associated with the Apache McDonald AC 2 #33 when a poly line ruptured and released 7 bbls of produced water. The line was repaired, and an initial form C-141 was submitted by Apache Corporation on June 30, 2011 (Appendix A). The site is located southwest of Eunice, NM in unit letter 'I' of section 13, T22S, R36E in Lea County, New Mexico.

On June 30, 2011, RECS personnel initiated work on the McDonald AC 2 #33. The site had been previously excavated to 2 ft. below ground surface (bgs). Soil samples were collected from the excavation walls and floor and were field tested for chloride. Headspace measurements were also taken in the field using a Photo Ionization Detector (PID) (Figure 1). The samples were taken to a commercial laboratory for chloride analysis. The 5 point bottom composite was 80 ppm (mg/kg) and the side walls contained 32 ppm or less with the exception of one wall sample at 608 ppm (Appendix C).

A total of 396 cubic yards of impacted soil was removed from the 2 ft. deep excavation and transported to a NMOCD approved facility for disposal. The excavation was backfilled with 312 cubic yards of clean imported soil and contoured to the surrounding area.

See Appendix B for photographs of field activities.

Conclusion

Depth to groundwater averages 156 ft bgs according to data from the New Mexico Office of the State Engineer and the U.S. Geological Survey (NM Office, 2010 and USGS 2011). Due to the

depth of groundwater and low remaining chloride, 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,



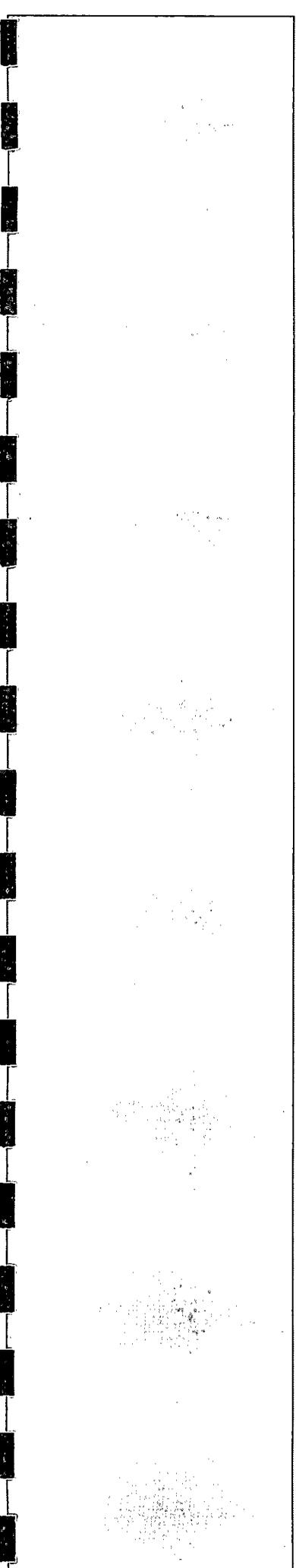
Bruce Baker
Head Foreman
RECS
(575) 631-5157

Attachments:

- Figure 1: Site Diagram with Sample Summary
- Appendix A: Initial Form C-141
- Appendix B: Site Photographs
- Appendix C: Laboratory Results
- Appendix D: Final Form C-141

References

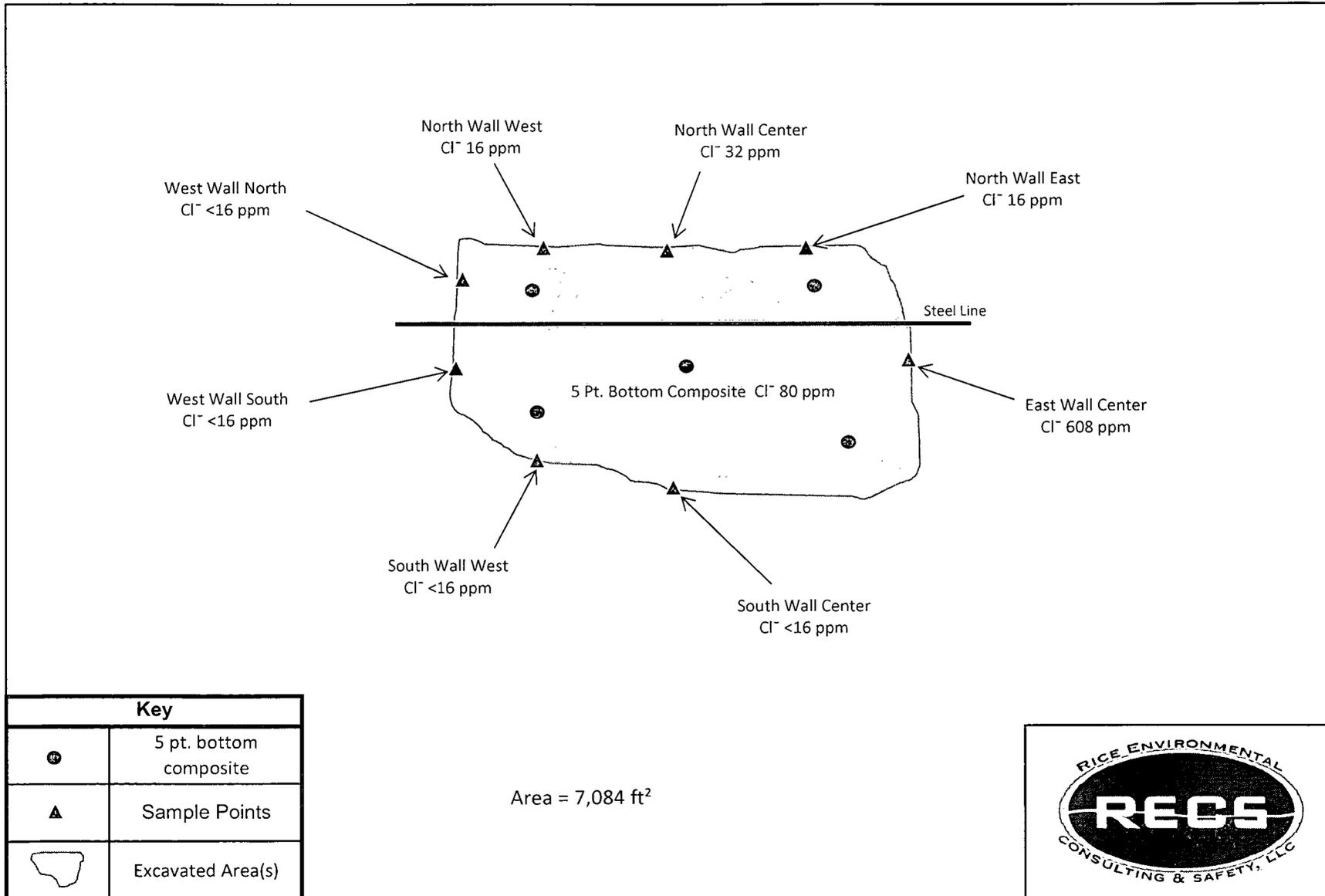
- New Mexico Office of the State Engineer.* 2010. Retrieved from <http://nmwrrs.ose.state.nm.us/nmwrrs/waterColumn.html>
- USGS.* (2011, September 26). Groundwater Levels [Data file]. Retrieved from <http://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Figure

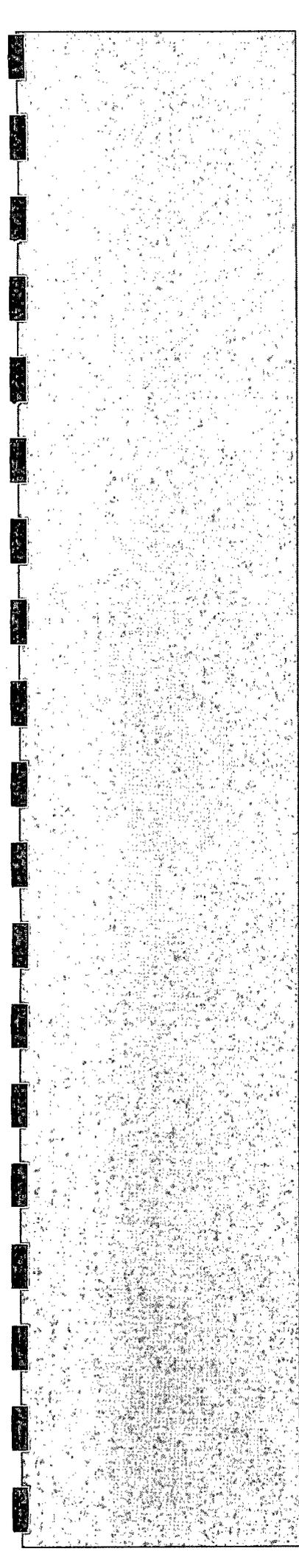
RICE Environmental Consulting and Safety (RECS)
P.O. Box 5630 Hobbs, NM 88241
Phone 575.393.4411 Fax 575.393.0293

Figure: Site Diagram with Sample Summary
McDonald State AC 2 #33



Key	
●	5 pt. bottom composite
▲	Sample Points
	Excavated Area(s)





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
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 88240	Telephone No. 575-390-4186
Facility Name Mcdonald AC 2 #33	Facility Type Producer

Surface Owner Deck	Mineral Owner State	API No. 30-025-26012
--------------------	---------------------	----------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	13	22S	36E	2160'	FSL	330	FEL	Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Produced Water/Hydrocarbon's	Volume of Release 7bbls	Volume Recovered 0
Source of Release Poly line	Date and Hour of Occurrence 06/28/11	Date and Hour of Discovery 06/28/11
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
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.*

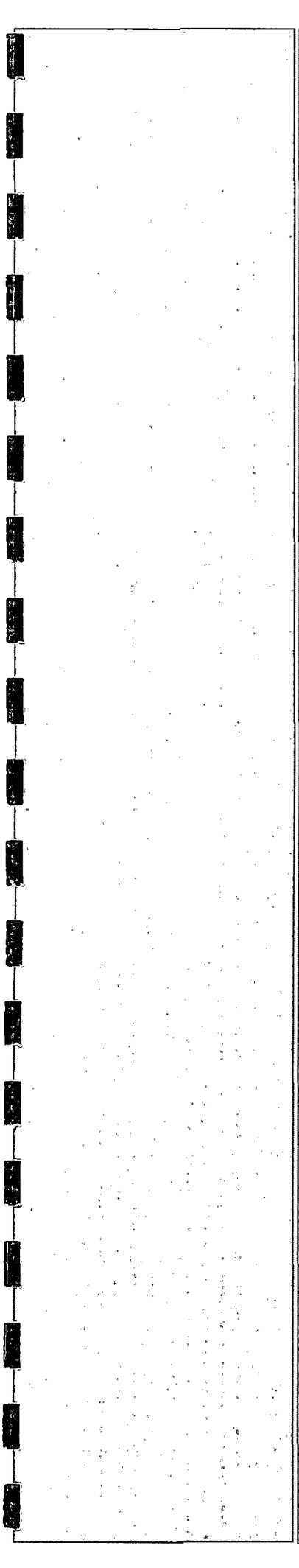
Describe Cause of Problem and Remedial Action Taken.*
The poly line split due to heat.

Describe Area Affected and Cleanup Action Taken.*
Site will be remediated to NMOCD Standards for Remediation.

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 Environmental Specialist:	
Title: EHS Environmental Tech	Approval Date:	Expiration Date:
E-mail Address: natalie.gladden@apachecorp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 06/30/11 Phone: 575-390-4186		

* Attach Additional Sheets If Necessary



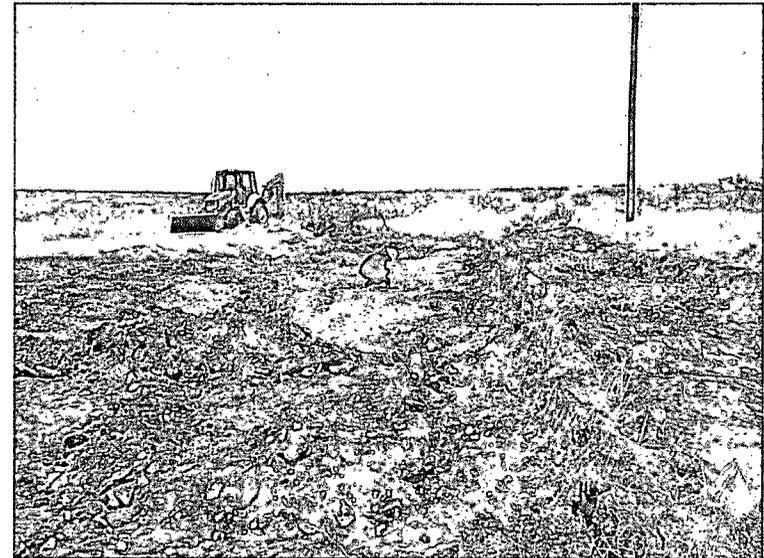
Appendix B

Site Photographs

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

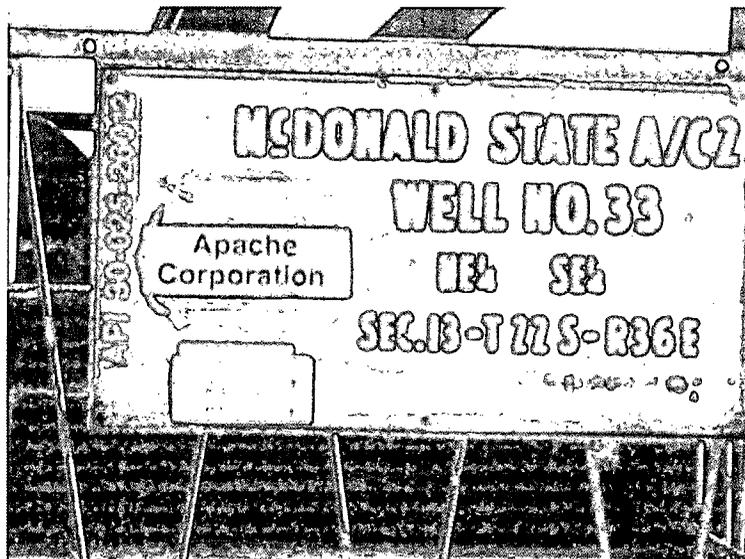
McDonald AC 2 #33

Unit I, Section 13, T22S, R36E



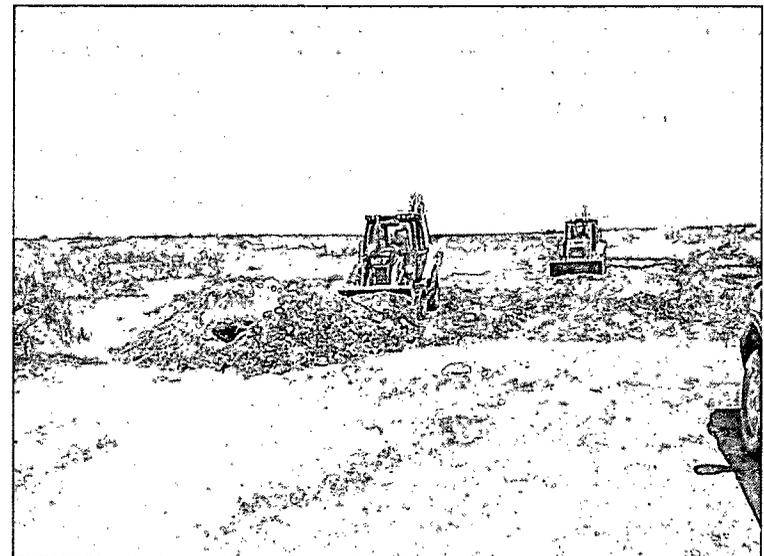
Sampling excavation floor

6/30/2011



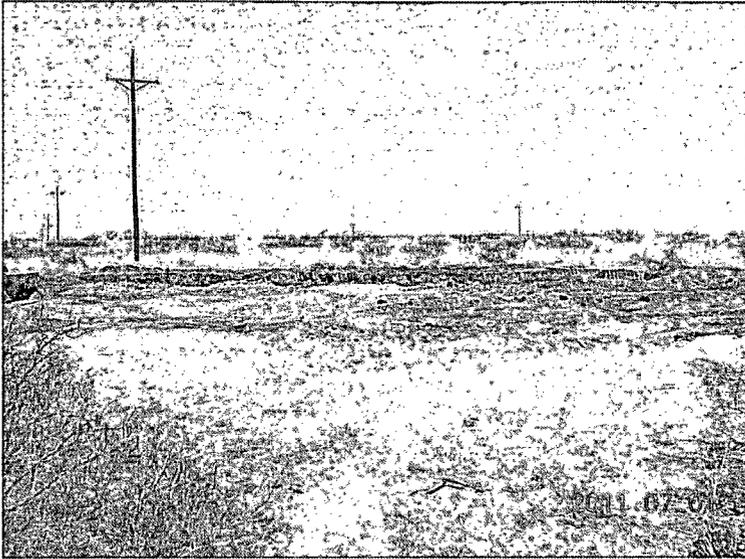
Site location sign

7/1/2011



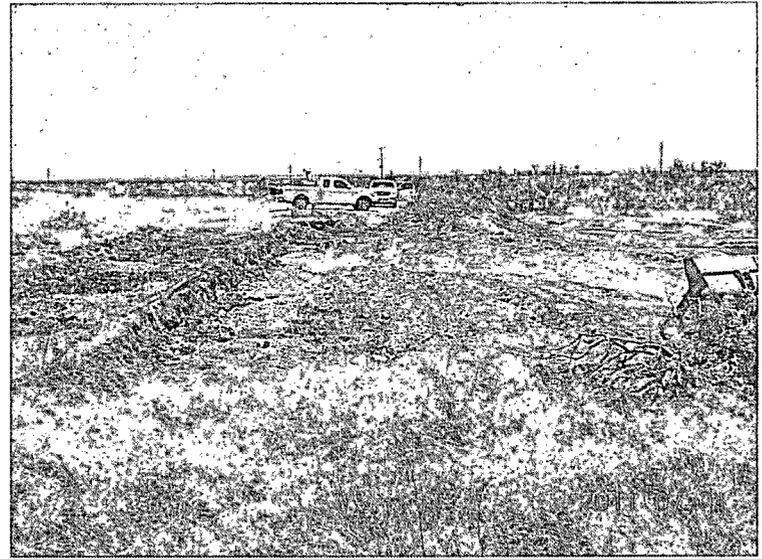
Excavating site

7/1/2011



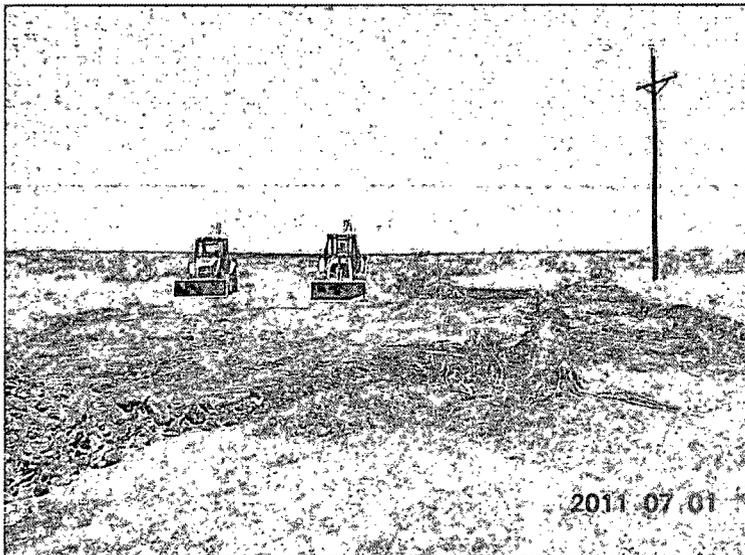
Final excavation, facing north

7/1/2011



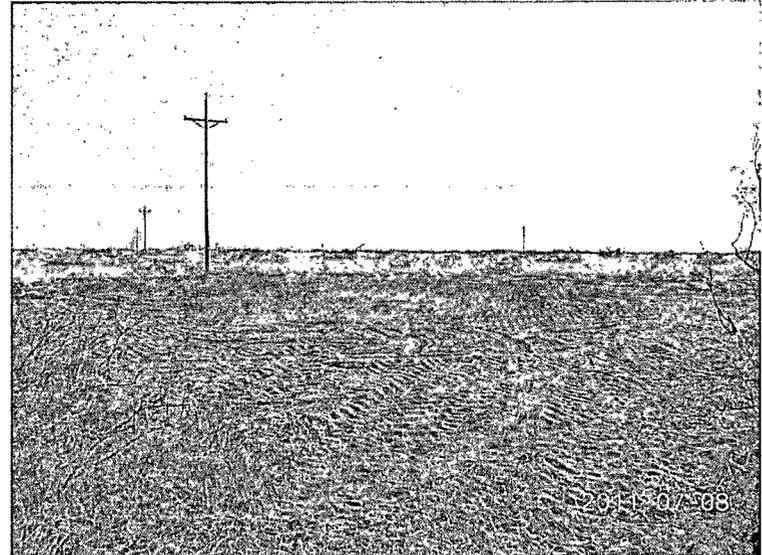
Final excavation, facing west

7/1/2011



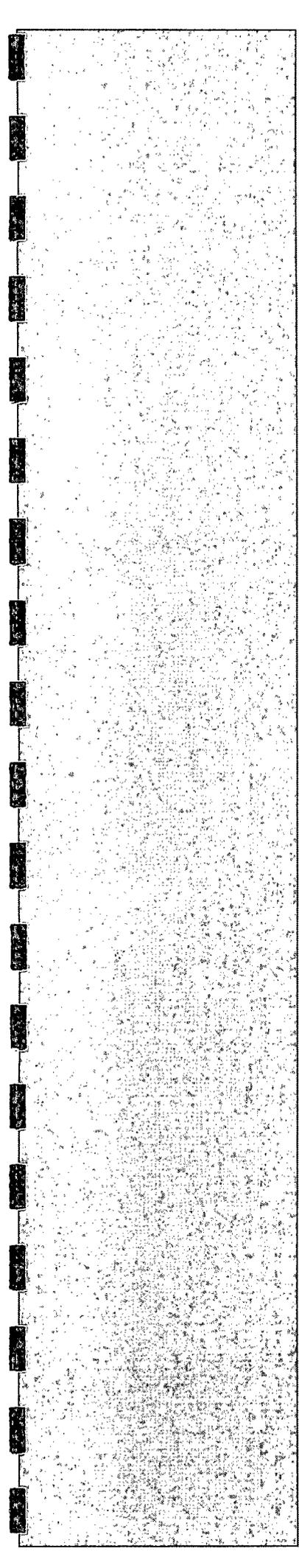
Final excavation, facing east

7/1/2011



Backfill complete

7/8/2011



Appendix C

Laboratory Results

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

Analytical Results For:

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

Received:	07/01/2011	Sampling Date:	06/30/2011
Reported:	07/06/2011	Sampling Type:	Soil
Project Name:	MC DONALD A/C2 #33	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: N WALL CENTER (H101368-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/05/2011	ND	432	108	400	3.77		

Sample ID: N WALL EAST (H101368-02)

Chloride, SM4500CI-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	07/05/2011	ND	432	108	400	3.77		

Sample ID: W WALL SOUTH (H101368-03)

Chloride, SM4500CI-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	07/05/2011	ND	432	108	400	3.77		

Sample ID: E WALL CENTER (H101368-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	07/05/2011	ND	432	108	400	3.77		

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: 07/01/2011
 Reported: 07/06/2011
 Project Name: MC DONALD A/C2 #33
 Project Number: NOT GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 06/30/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: N WALL WEST (H101368-05)

Chloride, SM4500CI-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	07/05/2011	ND	432	108	400	3.77		

Sample ID: W WALL NORTH (H101368-06)

Chloride, SM4500CI-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	07/05/2011	ND	432	108	400	3.77		

Sample ID: S WALL CENTER (H101368-07)

Chloride, SM4500CI-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	07/05/2011	ND	432	108	400	3.77		

Sample ID: S WALL WEST (H101368-08)

Chloride, SM4500CI-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	07/05/2011	ND	432	108	400	3.77		

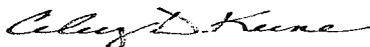
Sample ID: 5 PT COMP (H101368-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/05/2011	ND	432	108	400	3.77		

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

