

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

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JUN 30 2009  
HOBBSOCD

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

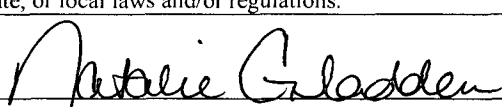

Name of Company	Apache Corporation	Contact	Natalie Gladden
Address	PO Box 1849 Eunice, NM 88231	Telephone No.	575-390-4186
Facility Name	NEDU #150	Facility Type	Production Well
Surface Owner	Paige Mcniel	Mineral Owner	State of NM
		Lease No.	30-025-38893

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	2	21S	37E	1400'	FNL	210'	FEL	Lea

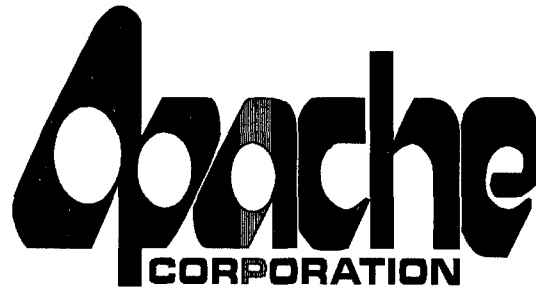
Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

**NATURE OF RELEASE**

Type of Release	Hydrocarbon/Produced Water	Volume of Release	30bbls	Volume Recovered	15
Source of Release	Stuffing Box	Date and Hour of Occurrence	1/17/09 ?	Date and Hour of Discovery	01/17/09 8am
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Larry Johnson		
By Whom?	Natalie Gladden	Date and Hour	01/19/09 7:30am		
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.*					
No					
Describe Cause of Problem and Remedial Action Taken.*					
Wellhead blew out. Vacuum truck recovered 15bbls of fluid and backhoe started emergency response.					
Describe Area Affected and Cleanup Action Taken.*					
Site was remediated according to NMOCD rules and regulations.					
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 District Supervisor  ENVIRONMENTAL ENGINEER			
Title: EH&S Environmental Tech		Approval Date: 7-31-09		Expiration Date:	
E-mail Address: natalie.gladden@apachecorp.com		Conditions of Approval:		Attached <input type="checkbox"/>	
Date: 5/20/09 Phone: 575-390-4186				IRP# 09.7.2251	

\* Attach Additional Sheets If Necessary

FGRL09217 31745



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JUN 30 2009

HOBBSOCD

Nedu #150

C141 Closure Document

UL A, S2, T21S, R37E

API #30-025-38893

Release Date 1/17/09

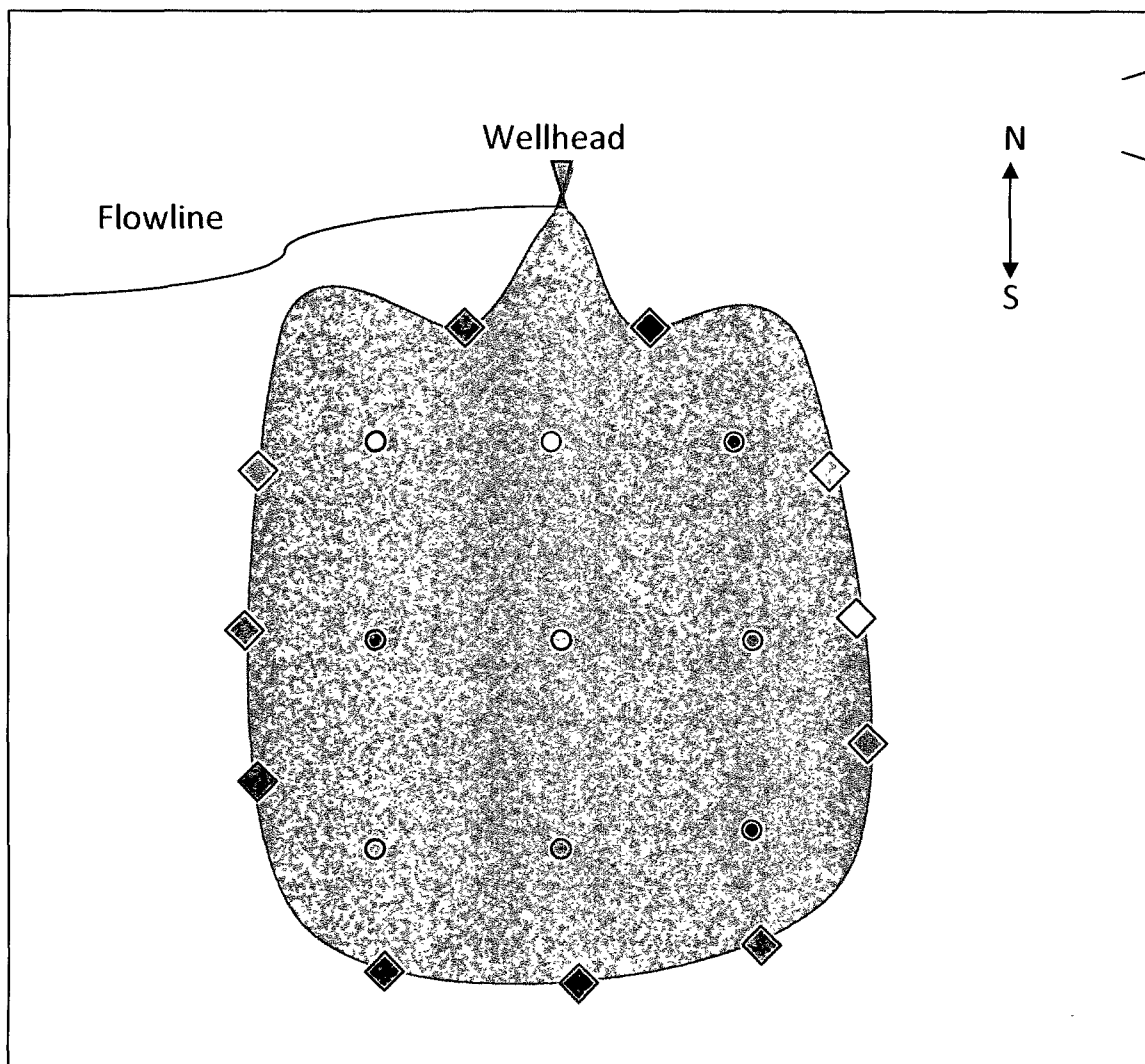
Prepared for Apache Corporation by:

Natalie Gladden

EH&S Environmental Tech

## Project Summary

On the morning of January 17<sup>th</sup>, 2009 the stuffing box at the NEDU #150 blew out due to high pressure, releasing 30bbls of fluid, recovering 14bbls of total fluid. On the day of the release emergency response took place and we started excavating the saturated hydrocarbon soil at 2' in depth. Depth to ground water in this area is approximately 70' bgs. At this time chloride field analysis was ran to determine contamination ranging from 100-ppm to 4600-ppm. Site was excavated down to 4'-bgs to obtain clean bottom and sidewalls of excavation. Spill area was 75'L x 100'W x 4'D. A total of 776yd<sup>3</sup> was hauled to Sundance Disposal Services, leaving 335yd<sup>3</sup> of blendable material. Remaining amount of soil was blended and site was backfilled. Verbal approval was obtained by Larry Johnson with the NMOCD to allow Apache to blend the remaining contaminated soil.



- |       |        |        |
|-------|--------|--------|
| ○ SP1 | ○ SP8  | ◆ SP15 |
| ● SP2 | ● SP9  | ◆ SP16 |
| ⊙ SP3 | ◆ SP10 | ◆ SP17 |
| ○ SP4 | ◆ SP11 | ◆ SP18 |
| ⊙ SP5 | ◆ SP12 | ◆ SP19 |
| ⊙ SP6 | ◇ SP13 | ◆ SP20 |
| ● SP7 | ◇ SP14 |        |

Sample ID	Depth	Chlorides
SP1	4'	80
SP2	4'	80
SP3	4'	48
SP4	2'	48
SP5	4'	<16
SP6	4'	96
SP7	4'	<16
SP8	2'	<16
SP9	4'	<16
SP10	4'	16
SP11	4'	16
SP12	2'	16
SP13	2'	16
SP14	2'	16
SP15	2'	<16
SP16	2'	<16
SP17	2'	<16
SP18	2'	<16
SP19	2'	<16
SP20	2'	96
	Bottom Hole	
	Sidewalls	

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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 NEDU #150	Facility Type Production Well

Surface Owner Paige Mcniel	Mineral Owner State of NM	Lease No. 30-025-38893
----------------------------	---------------------------	------------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	2	21S	37E	1400'	FNL	210'	FEL	Lea

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

NATURE OF RELEASE

Type of Release Hydrocarbon/Produced Water	Volume of Release 30bbls	Volume Recovered 15
Source of Release Stuffing Box	Date and Hour of Occurrence 1/17/09 ?	Date and Hour of Discovery 01/17/09 8am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Larry Johnson	
By Whom? Natalie Gladden	Date and Hour 01/19/09 7:30am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

Was a Watercourse Impacted, Describe Fully.\*

No

Describe Cause of Problem and Remedial Action Taken.\*

Wellhead blew out. Vacuum truck recovered 15bbls of fluid and backhoe started emergency response.

Describe Area Affected and Cleanup Action Taken.\*

Site was remediated according to NMOCD rules and regulations.

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.

OIL CONSERVATION DIVISION

Signature:

Printed Name: Natalie Gladden

Title: EH&S Environmental Tech

E-mail Address: natalie.gladden@apachecorp.com

Date: 5/20/09

Phone: 575-390-4186

Approved by District Supervisor:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

\* Attach Additional Sheets If Necessary

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625 N. French Dr., Hobbs, NM 88240  
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Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Apache Corporation	Contact	Natalie Gladden
Address	P.O. Box 1849 Eunice, NM 88231	Telephone No.	575-390-4186
Facility Name	NEDU #150	Facility Type	Production

Surface Owner	McNeil	Mineral Owner	State	Lease No.	
---------------	--------	---------------	-------	-----------	--

LOCATION OF RELEASE

AP# 30 025 38893

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	2	21S	37E	1400	FNL	210	FEL	Lea

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

WTR 70'

NATURE OF RELEASE

Type of Release	Hydrocarbon/Produced Water	Volume of Release	30	Volume Recovered	15
Source of Release	Stuffing Box	Date	01/17/09	Date	1/17/09 8am
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Larry Johnson		
By Whom?	Natalie Gladden	Date and Hour	7:30 am on 01/19/09		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

Watercourse was Impacted, Describe Fully.\*


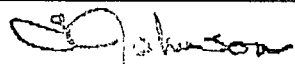
Describe Cause of Problem and Remedial Action Taken.\*

Wellhead blew out. Vacuum truck recovered 15bbls of fluid and backhoe started emergency response.

Describe Area Affected and Cleanup Action Taken.\*

Will be cleaned under 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 District Supervisor  ENVIR ENGINEER	
Title: EH&S Environmental Tech		Approval Date: 1.22.08	Expiration Date: 3.22.08
Email Address: natalie.gladden@apachecorp.com		Conditions of Approval:	
Date: 1/21/08 Phone: 575-390-4186		Attached <input type="checkbox"/> IRP# 09-01-2057	

Attach Additional Sheets If Necessary



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
APACHE CORPORATION  
ATTN: NATALIE GLADDEN  
P.O. BOX 1849  
EUNICE, NM 88231


Receiving Date: 02/02/09  
Reporting Date: 02/03/09  
Project Number: NOT GIVEN  
Project Name: NOT GIVEN  
Project Location: NEDU #150

Analysis Date: 02/03/09  
Sampling Date: 01/22/09  
Sample Type: SOIL  
Sample Condition: INTACT  
Sample Received By: ML  
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl <sup>-</sup> (mg/kg)
H16797-1	SP 1	80
H16797-2	SP 2	80
H16797-3	SP 3	48
H16797-4	SP 4	48
H16797-5	SP 5	< 16
H16797-6	SP 6	96
H16797-7	SP 7	< 16
H16797-8	SP 8	< 16
H16797-9	SP 9	< 16
H16797-10	SP 10	16
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-Cl <sup>-</sup> B
--------------------------	------------------------

Analyses performed on 1:4 w:v aqueous extracts.

  
Chemist

  
Date





# CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
APACHE CORPORATION  
ATTN: NATALIE GLADDEN  
P.O. BOX 1849  
EUNICE, NM 88231

Receiving Date: 02/02/09  
Reporting Date: 02/03/09  
Project Number: NOT GIVEN  
Project Name: NOT GIVEN  
Project Location: NEDU #150

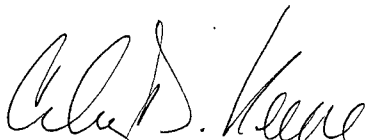
Analysis Date: 02/03/09  
Sampling Date: 01/22/09  
Sample Type: SOIL  
Sample Condition: INTACT  
Sample Received By: ML  
Analyzed By: HM

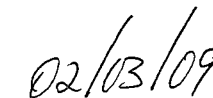
LAB NUMBER	SAMPLE ID	Cl <sup>-</sup> (mg/kg)
H16797-11	SP 11	16
H16797-12	SP 12	16
H16797-13	SP 13	16
H16797-14	SP 14	16
H16797-15	SP 15	< 16
H16797-16	SP 16	< 16
H16797-17	SP 17	< 16
H16797-18	SP 18	< 16
H16797-19	SP 19	< 16
H16797-20	SP 20	96
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods

4500-Cl<sup>-</sup>B

Analyses performed on 1:4 w:v aqueous extracts.

  
Cheryl S. Keane  
Chemist

  
02/03/09  
Date

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, in whole or in part, 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 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.

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Page \_\_\_\_ of \_\_\_\_

Company Name: <u>Apache Corp</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																																																																																																																																																																											
Project Manager: <u>Natalie Gladden</u>		P.O. #:		<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-family: cursive; font-size: 2em; margin-right: 10px;">chlorides</div> <table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table> </div>																																																																																																																																																																											
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City: <u>Elunice</u> State: <u>Nm</u> Zip: <u>88231</u>		Attn:																																																																																																																																																																													
Phone #: <u>390-4180</u> Fax #:		Address:																																																																																																																																																																													
Project #:		City:																																																																																																																																																																													
Project Owner:		State: Zip:																																																																																																																																																																													
Project Name:		Phone #:																																																																																																																																																																													
Project Location: <u>Node #150</u>		Fax #:																																																																																																																																																																													
Sampler Name: <u>Natalie</u>																																																																																																																																																																															

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(GRAB OR (C)COMP	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME
GROUNDWATER	WASTEWATER					SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER					
		H16797-1	SP1													1/22/5	
		-2	SP2														
		-3	SP3														
		-4	SP4														
		-5	SP5														
		-6	SP4														
		-7	SP7														
		-8	SP8														
		-9	SP9														
		-10	SP10														

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.

Sampler Relinquished By: <u>Natalie Gladden</u>		Date: <u>8-2-09</u>		Received By: <u>Misty LeBout</u>		Phone Result: <input type="checkbox"/> No		Add'l Phone #:	
Relinquished By:		Time: <u>1:26</u>		Received By:		Fax Result: <input type="checkbox"/> No		Add'l Fax #:	
		Date:				REMARKS: <u>email</u>			
		Time:							
Delivered By: (Circle One)				Temp.		Sample Condition		CHECKED BY:	
Sampler - UPS - Bus - Other:						Cool Intact		(Initials)	
						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		<u>UCB</u>	

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.



# CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 Fax (575) 393-2476

Page \_\_\_\_ of \_\_\_\_

Company Name: <u>Apache Corp</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																																	
Project Manager: <u>Natalie Gladden</u>				P.O. #:																																					
Address: <u>P.O. Box 1849</u>				Company:																																					
City: <u>Esmer</u> State: <u>NM</u> Zip: <u>88231</u>				Attn:																																					
Phone #: <u>390-4186</u> Fax #:				Address:																																					
Project #:				City:																																					
Project Name:				State: Zip:																																					
Project Location: <u>Nader #150</u>				Phone #:																																					
Sampler Name: <u>Natalie Gladden</u>				Fax #:																																					
FOR LAB USE ONLY				MATRIX				PRESERV.		SAMPLING		Cherides																													
Lab I.D.		Sample I.D.		(GRAB OR COMPOUND)		# CONTAINERS		GROUNDWATER		WASTEWATER														SOIL		OIL		SLUDGE		OTHER		ACID/BASE		ICE / COOL		OTHER		DATE		TIME	
H16797-11		SP 11																																							
-12		SP 12																																							
-13		SP 13																																							
-14		SP 14																																							
-15		SP 15																																							
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-20		SP 20																																							

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Sampler Relinquished By: <u>Natalie Gladden</u>		Date: <u>4/2/09</u>		Received By: <u>Windy LaBut</u>		Phone Result: <input type="checkbox"/> No		Add'l Phone #:	
Relinquished By:		Time: <u>1:26</u>		Received By:		Fax Result: <input type="checkbox"/> No		Add'l Fax #:	
Delivered By: (Circle One)		Date:		Temp.		Sample Condition		CHECKED BY:	
Sampler - UPS - Bus - Other:		Time:				Cool Intact		(Initials)	
						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<u>UCRB</u>	
REMARKS: <u>Email</u>									

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.