

District III  
1000 ...  
Aztec, NM 87410

*Benny E. ...*  
**DEPUTY OIL & GAS INSPECTOR**

State of New Mexico  
Minerals and Natural Resources Department

Submit 1 copy to  
Appropriate District  
and 1 copy to  
Santa Fe Office

**OIL CONSERVATION DIVISION**  
2040 S. PACHECO  
Santa Fe, New Mexico 87505

**OCT 28 1997**

**PIT REMEDIATION AND CLOSURE REPORT**

*Approved*

Operator:	<u>Apache Corporation</u>	Telephone:	<u>505-325-0318</u>
Address:	<u>304 N. Behrend, Farmington, NM 87401</u>		
Facility or Well Name:	<u>Apache #</u>	<u>20</u>	
Location: Unit or Qtr/Qtr Sec	<u>B</u>	<u>Sec 4</u>	<u>T 24 N R 4W</u> County <u>Rio Arriba</u>
Pit Type: Separator:	<u>Dehydrator</u>	<u>Other</u>	<u>Blow Pit</u>
Land Type:	<u>Jicarilla Tribal</u>		
Pit Location: (Attach diagram)	Pit Dimensions:	Length <u>21'</u>	Width <u>24'</u> Depth <u>11'</u>
	Reference:	Wellhead <u>X</u>	Other _____
	Footage from reference:	<u>100'</u>	
	Direction from reference:	<u>20</u> Degrees <u>X</u> East	North <u>XX</u> of West South _____
Depth To Groundwater: (vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet	(20 points)	_____
	50 feet to 99 feet	(10 points)	_____
	Greater than 100 feet	(0 points)	<u>0</u>
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources)	Yes	(20 points)	_____
	No	(0 points)	<u>0</u>
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet	(20 points)	_____
	200 feet to 1000 feet	(10 points)	_____
	Greater than 1000 feet	(0 points)	<u>0</u>
	RANKING SCORE (TOTAL POINTS)		<u>0</u>

**RECEIVED**  
AUG 20 1997  
**OIL CON. DIV.**  
DIST. 3

SECRET  
NO FOREIGN DISSEM  
NO FORN DISSEM

Date Remediation Started: 9/14/95 Date Completed: 9/14/95

Remediation Method: Excavation XXX Approx. cubic yards \_\_\_\_\_  
(Check all appropriate sections) Landfarmed NONE Insitu Bioremediation \_\_\_\_\_  
Other \_\_\_\_\_

Remediation Location: Onsite \_\_\_\_\_ Offsite \_\_\_\_\_  
(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Excavate pit to 11', took PID readings, readings low.

Took soil samples, results within closure limits. Put soil back into pit.

Groundwater Encountered: No X Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit: Sample location 5 point composite taken from pit sidewalls and pit bottom center

Closure Sampling:  
(in multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth 8 to 10" into pit sidewalls 10" into pit bottom

Sample Date 9/14/95 Sample Time 10:00 PM  
Sample results

Benzene (ppm) ND

Total BTEX (ppm) 0.1048

Field Headspace (ppm) 43.52

TPH ND

Groundwater Sample: Yes \_\_\_\_\_ No X (If yes attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE 8-Aug-97 PRINTED NAME Jeff Cross

SIGNATURE Jeff Cross AND TITLE Project Manager

JICARILLA APACHE TRIBE  
 ENVIRONMENTAL PROTECTION OFFICE  
 P. O. BOX 507  
 DULCE, NEW MEXICO 87528

Submit 1 copy to  
 Natural Resource Dept.  
 and Oil & Gas Administration

**PIT REMEDIATION AND CLOSURE REPORT**

Operator: <u>APACHE CORPORATION</u>		Telephone <u>505-325-0318</u>	
Address: <u>304 N. BEHREND, FARMINGTON, N.M. 84701</u>			
Facility or Well Name: <u>APACHE # 20</u>			
Location:	Unit or Qtr/Qtr	Sec <u>B</u>	SEC 4 T 24N R 4W County <u>RIO ARRIBA</u>
Pit Type:	Separator: _____	Dehydrator _____	Other <u>BLOW PIT</u>
Land Type: <u>JIC. TRIBAL</u>			
Pit Location: (Attach diagram)		Pit Dimensions: Length <u>21'</u>	Width <u>24'</u> Depth <u>11'</u>
		Reference: Wellhead <u>XXX</u>	Other _____
		Footage from reference: <u>100'</u>	
		Direction from reference: <u>20</u> Degrees <u>X</u> East	North <u>XX</u>
			of _____
			West _____ South _____
<b>Depth To Groundwater:</b> (vertical distance from contaminants to seasonal high water elevation of groundwater)		Less than 50 feet	(20 points) _____
		50 feet to 99 feet	(10 points) _____
		Greater than 100 feet	( 0 points) <u>0</u>
<b>Distance to an Ephemeral Stream:</b> (Downgradient dry wash greater than ten feet in width)		Less than 100 feet	(10 points) _____
		Greater than 100 feet	( 0 points) <u>0</u>
<b>Distance to Nearest Lake, Playa, or Watering Pond:</b> (Downgradient lakes, playas and livestock or wildlife watering ponds)		Less than 100 feet	(10 points) _____
		Greater than 100 feet	( 0 points) <u>0</u>
<b>Wellhead Protection Area:</b> (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources)		Yes	(20 points) _____
		No	( 0 points) <u>0</u>
<b>Distance To Surface Water:</b> (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)		Less than 100 feet	(20 points) _____
		100 feet to 1000 feet	(10 points) _____
		Greater than 1000 feet	( 0 points) <u>0</u>
		<b>RANKING SCORE (TOTAL POINTS)</b> <u>0</u>	

Date Remediation Started: 9/14/95 Date Completed: 9/14/95

Remediation Method: Excavation XXX Approx. cubic yards \_\_\_\_\_  
(Check all appropriate sections) Landfarmed NONE Insitu Bioremediation \_\_\_\_\_  
Other \_\_\_\_\_

Remediation Location: Onsite \_\_\_\_\_ Offsite \_\_\_\_\_  
(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Excavate pit to 11', took PID readings, readings low, took soil samples, results within closure limits. Put soil back into pit.

Groundwater Encountered: No XXX Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit: Sample location 5 point composite taken from pit sidewalls and pit bottom center.

Closure Sampling: (in multiple samples, attach sample results and diagram of sample locations and depths) Sample depth 8" to 10" into pit side walls, 10" into pit bottom.  
Sample Date 9/14/97 Sample Time 10:00 AM

Soil:	Benzene	(ppm)	<u>ND</u>	Water:	Benzene	(ppb)	<u>NA</u>
	Total BTEX	(ppm)	<u>0.1048</u>		Toluene	(ppb)	<u>NA</u>
	Field Headspace	(ppm)	<u>43.52</u>		Ethylbenzene	(ppb)	<u>NA</u>
	TPH	(ppm)	<u>ND</u>		Total Xylenes	(ppb)	<u>NA</u>

Groundwater Sample: Yes \_\_\_\_\_ No XXX (If yes attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE 7/25/97 PRINTED NAME JEFF CROSS  
SIGNATURE *Jeff Cross* AND TITLE PROJECT MANAGER

AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO \_\_\_\_\_ (REASON) \_\_\_\_\_

SIGNED: *Kurt C. Marshall* DATE: 7-30-97

DRAINAGE



APACHE  
APACHE NUMBER 20  
SECTION 4, TOWNSHIP 24N, RANGE 4W  
RIO ARRIBA COUNTY, NM

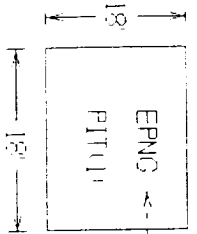
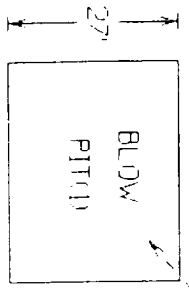
WELL HEAD

2" GAS BLOW LINE, 95'

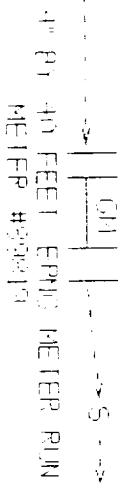
2" GAS FLOW LINE, 48'

1" DRIP LINE, 12'

2" GAS FLOW LINE, 38'



THE PIT IS 5' DEEP  
PIPE WALL TOP 1" GAGE 2" HEIGHT 16"











Lab ID: 9509145-14A  
Sample ID: AP# 14

Collected: 09/14/95 08:00:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME075
Toluene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME075
Ethylbenzene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME075
P-&m-Xylene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME075
O-Xylene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME075

Lab ID: 9509145-14B  
Sample ID: AP# 14

Collected: 09/14/95 08:00:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M						
Diesel	ND	mg/Kg	5.0	1.0	09/27/95	SLFTD46
HCs DSL XT/CAL DHS 8015M	09/21/95	N/A				

Lab ID: 9509145-15A  
Sample ID: AP# 20

Collected: 09/14/95 10:00:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME075
Toluene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME075
Ethylbenzene	0.0088	mg/Kg	0.0010	5.0	09/21/95	SBTXME075
P-&m-Xylene	0.075	mg/Kg	0.0010	5.0	09/21/95	SBTXME075
O-Xylene	0.021	mg/Kg	0.0010	5.0	09/21/95	SBTXME075

Lab ID: 9509145-15B  
Sample ID: AP# 20

Collected: 09/14/95 10:00:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M						
Diesel	ND	mg/Kg	5.0	5.0	09/26/95	SLFTD46
HCs DSL XT/CAL DHS 8015M	09/21/95	N/A				

Lab ID: 9509145-16A  
Sample ID: JIC-KEETON

Collected: 09/15/95 15:30:00  
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME075
Toluene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME075



# Chain of Custody Record

7300 JEFFERSON, N.E.  
ALBUQUERQUE, NEW MEXICO 87  
(505) 345-8964

3332 WEDGEWOOD  
EL PASO, TEXAS 79925  
(915) 593-8000

1910 N. BIG SPRING  
MIDLAND, TEXAS 79705  
(915) 570-1116

Lab Job no: AINS Date 7 of 7

Project Manager / Contact John TAYLOR

Telephone No. 325-0318 Fax No. 325-0325

Client Apache Corp.

Address 304 N. Behrend

City / State / Zip FLEMING NM 87460

Project Name / Number Pit Remediation 95017 Samplers: (Signature) [Signature]

Contract / Purchase Order / Quote \_\_\_\_\_

**RECEIVED**

OCT 5 1995

MELOQUIADES ALANIS  
6411 LOCAL UNO  
JURAREZ, CHIHUAHUA MEXICO 32320

AAL FRACTION NUMBER	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation		Remarks
						Temp.	Chemical	
1-2	AP# 18	9/13	2:30	Soil	GLASS	50°	Ice	
1-3	AP# 18	9/13	2:30	Soil	GLASS	5		
1-4	AP# 14	9/14	8:00					
1-5	AP# 14	9/14	8:00					
1-6	AP# 20	9/14	10:00					
1-7	AP# 20	9/14	10:00					
1-8	J5C - Kestom	9/15	3:30					
1-9	J5C - Kestom	9/15	3:30					

Relinquished by: Signature [Signature] Printed E. W. S. Carter Company AAC Reason \_\_\_\_\_

Received by: Signature [Signature] Printed [Signature] Company AAC Reason \_\_\_\_\_

Date 9/15/95 Time 7:50 PM

After analysis, samples are to be:  
 Disposed of (additional fee)  
 Stored (30 days max)  
 Stored over 30 days (additional fee)  
 Returned to customer

Comments: \_\_\_\_\_

Method of Shipment: \_\_\_\_\_

Shipment No. \_\_\_\_\_

Special Instructions: \_\_\_\_\_

COURIER