

District  
1000 Rio Brazos Rd  
Aztec

State of New Mexico

Energy, Minerals and Natural Resources Department

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

DEPUTY OIL & GAS INSPECTOR

OIL CONSERVATION DIVISION

2040 S. PACHECO

Santa Fe, New Mexico 87505

APR 10 1998

## PIT REMEDIATION AND CLOSURE REPORT

*Approved*

Operator: Apache Corporation Telephone: 505-325-0318

Address: 304 N. Behrend, Farmington, NM 87401

Facility or Well Name: Apache # 158 Pit #1

Location: Unit or Qtr/Qtr Sec NW NW Sec 11 T 24 N R 4W County Rio Arriba

Pit Type: Separator: X Dehydrator \_\_\_\_\_ Other \_\_\_\_\_

Land Type: Jicarilla Tribal

Pit Location: Pit Dimensions: Length 33' Width 33' Depth 14'  
(Attach diagram)

Reference: Wellhead X Other \_\_\_\_\_

Footage from reference: 150'

Direction from reference: 252 Degrees \_\_\_\_\_ East \_\_\_\_\_ North \_\_\_\_\_  
of \_\_\_\_\_  
West XX South XX

**Depth To Groundwater:** Less than 50 feet (20 points) \_\_\_\_\_  
(vertical distance from 50 feet to 99 feet (10 points) \_\_\_\_\_  
contaminants to seasonal Greater than 100 feet (0 points) 0  
high water elevation of  
groundwater)

**Wellhead Protection Area:** Yes (20 points) \_\_\_\_\_  
(Less than 200 feet from a private No (0 points) 0  
domestic water source, or; less than  
1000 feet from all other water sources)

**Distance To Surface Water:** Less than 200 feet (20 points) \_\_\_\_\_  
(Horizontal distance to perennial 200 feet to 1000 feet (10 points) \_\_\_\_\_  
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) 0  
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS) 0

RECEIVED  
DEC 10 1997  
OIL CON. DIV.  
DIST. 3

<b>Date Remediation Started:</b>		<u>8/14/95</u>	<b>Date Completed:</b>		<u>6/13/97</u>
<b>Remediation Method:</b>		Excavatio	<u>XXX</u>	Approx. cubic yards	<u>400</u>
(Check all appropriate sections)		Landfarmed	<u>X</u>	Insitu Bioremediation	
		Other			
<b>Remediation Location:</b>		Onsite	<u>X</u>	Offsite	
(i.e. landfarmed onsite, name and location of offsite facility)					
<b>General Description of Remedial Action:</b> <u>Excavate pit to 14', lay soil out on location.</u>					
<u>Water, till, plow, and fertilize soil.</u>					
<b>Groundwater Encountered:</b>		No	<u>X</u>	Yes	Depth <u>          </u>
<b>Final Pit:</b>	Sample location	<u>5 point composite taken from pit sidewalls and pit bottom center</u>			
<b>Closure Sampling:</b>					
(in multiple samples, attach sample results and diagram of sample locations and depths)					
	Sample depth	<u>8 to 10" into pit sidewalls 10" into pit bottom</u>			
	Sample Date	<u>9/15/95</u>	Sample Time	<u>12:00 PM</u>	
	Sample results				
	Benzene	(ppm)	<u>ND</u>		
	Total BTEX	(ppm)	<u>ND</u>		
	Field Headspace	(ppm)	<u>2</u>		
	TPH		<u>370</u>		
<b>Groundwater Sample:</b>		Yes		No	<u>X</u> (If yes attach sample results)
<b>I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.</b>					
<b>DATE</b>		<u>8-Aug-97</u>	<b>PRINTED NAME</b>		<u>Jeff Cross</u>
<b>SIGNATURE</b>		<u>Jeff Cross</u>	<b>AND TITLE</b>		<u>Project Manager</u>

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 # 158 PIT # 1</u>			
Location:	Unit or Qtr/Qtr Sec	<u>NWNW SEC 11</u>	T <u>24N</u> R <u>4W</u> County <u>RIO ARRIBA</u>
Pit Type:	Separator: <u>XXX</u>	Dehydrator <u>          </u>	Other <u>          </u>
Land Type: <u>JIC. TRIBAL</u>			

  

Pit Location: (Attach diagram)	Pit Dimensions:	Length <u>33'</u>	Width <u>33'</u>	Depth <u>14'</u>
	Reference:	Wellhead <u>XXX</u>	Other <u>          </u>	
	Footage from reference:	<u>150'</u>		
	Direction from reference:	<u>252</u> Degrees	<u>          </u> East	North <u>          </u>
		<u>XX</u> West	of South <u>X</u>	

  

Depth To Groundwater: (vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet	(20 points)	<u>          </u>
	50 feet to 99 feet	(10 points)	<u>          </u>
	Greater than 100 feet	( 0 points)	<u>0</u>
Distance to an Ephemeral Stream: (Downgradient dry wash greater than ten feet in width)	Less than 100 feet	(10 points)	<u>          </u>
	Greater than 100 feet	( 0 points)	<u>0</u>
Distance to Nearest Lake, Playa, or Watering Pond: (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet	(10 points)	<u>          </u>
	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)	<u>          </u>
	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 100 feet	(20 points)	<u>          </u>
	100 feet to 1000 feet	(10 points)	<u>          </u>
	Greater than 1000 feet	( 0 points)	<u>0</u>
RANKING SCORE (TOTAL POINTS)			<u>0</u>

<b>Date Remediation Started:</b>		<u>8/14/95</u>		<b>Date Completed:</b>		<u>6/13/97</u>	
<b>Remediation Method:</b> (Check all appropriate sections)		Excavation <u>XXX</u>		Approx. cubic yards		<u>400</u>	
		Landfarmed <u>XXX</u>		Insitu Bioremediation			
		Other _____					
<b>Remediation Location:</b> (i.e. landfarmed onsite, name and location of offsite facility)		Onsite <u>XXX</u>		Offsite _____			
<b>General Description of Remedial Action:</b> <u>Excavate pit to 14', lay soil out on location.</u>							
<u>Water, till, plow, and fertilize soil.</u>							
<b>Groundwater Encountered:</b>		No <u>XXX</u>		Yes _____		Depth _____	
<b>Final Pit:</b>		Sample location <u>5 point composite taken from pit sidewalls and pit bottom center.</u>					
<b>Closure Sampling:</b> (in multiple samples, attach sample results and diagram of sample locations and depths)		Sample depth <u>8" to 10" into pit side walls, 10" into pit bottom.</u>					
Sample Date		<u>9/15/95</u>		Sample Time		<u>12:00 PM</u>	
Sample results							
Soil:	Benzene	(ppm)	<u>ND</u>	Water:	Benzene	(ppb)	<u>NA</u>
	Total BTEX	(ppm)	<u>ND</u>		Toluene	(ppb)	<u>NA</u>
	Field Headspace	(ppm)	<u>2</u>		Ethylbenzene	(ppb)	<u>NA</u>
	TPH	(ppm)	<u>370</u>		Total Xylenes	(ppb)	<u>NA</u>
<b>Groundwater Sample:</b>		Yes _____		No <u>XXX</u>		(If yes attach sample results)	
<b>I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.</b>							
<b>DATE</b>		<u>7/24/97</u>		<b>PRINTED NAME</b>		<u>JEFF CROSS</u>	
<b>SIGNATURE</b>		<u><i>Jeff Cross</i></u>		<b>AND TITLE</b>		<u>PROJECT MANAGER</u>	
<b>AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.</b>							
<b>APPROVED:</b>		YES <u>X</u>		NO _____		(REASON) _____	
<b>SIGNED:</b>		<u><i>Keith C. Marshall</i></u>		<b>DATE:</b>		<u>7-30-97</u>	