

Aztec. NM 87410

Energy, Minerals and Natural Resources Department

DEPUTY OIL & GAS INSPECTOR

OIL CONSERVATION DIVISION

2040 S. PACHECO

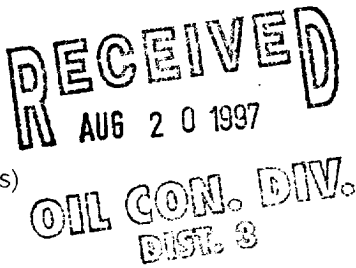
Santa Fe, New Mexico 87505

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

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:		Apache # <u>14</u>	
Location:	Unit or Qtr/Qtr	Sec	T 24 N R 4W County <u>Rio Arriba</u>
Pit Type:	Separator: <u> </u>	Dehydrator <u> </u>	Other <u>Blow Pit</u>
Land Type: <u>Jicarilla Tribal</u>			
Pit Location:	Pit Dimensions:	Length <u>24'</u>	Width <u>24'</u> Depth <u>10'</u>
(Attach diagram)			
Reference:	Wellhead <u>X</u>	Other <u> </u>	
Footage from reference:		<u>100'</u>	
Direction from reference:		<u>95</u> Degrees	<u>XX</u> East North <u> </u>
		<u> </u> West	South <u>XX</u>
Depth To Groundwater:		Less than 50 feet	(20 points) <u> </u>
(vertical distance from		50 feet to 99 feet	(10 points) <u> </u>
contaminants to seasonal		Greater than 100 feet	(0 points) <u>0</u>
high water elevation of			
groundwater)			
Wellhead Protection Area:		Yes	(20 points) <u> </u>
(Less than 200 feet from a private		No	(0 points) <u>0</u>
domestic water source, or; less than			
1000 feet from all other water sources)			
			
Distance To Surface Water:		Less than 200 feet	(20 points) <u> </u>
(Horizontal distance to perennial		200 feet to 1000 feet	(10 points) <u> </u>
lakes, ponds, rivers, streams, creeks,		Greater than 1000 feet	(0 points) <u>0</u>
irrigation canals and ditches)			
RANKING SCORE (TOTAL POINTS)			<u>0</u>

Date Remediation Started: <u>9/13/95</u>		Date Completed: <u>9/13/95</u>	
Remediation Method: (Check all appropriate sections)	Excavation <u>XXX</u>	Approx. cubic yards _____	
	Landfarmed <u>NONE</u>	Insitu Bioremediation _____	
	Other _____		
Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility)	Onsite <u>X</u>	Offsite _____	

General Description of Remedial Action: <u>Excavate pit to 10', took PID readings, readings low.</u>			
<u>Took soil samples, results within closure limits. Put soil back into pit.</u>			

Groundwater Encountered: No <u>X</u> Yes _____ Depth _____			
Final Pit:	Sample location <u>5 point composite taken from pit sidewalls and pit bottom center</u>		
Closure Sampling: (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>9/14/95</u>	Sample Time <u>8:00 AM</u>
	Sample results		
	Benzene (ppm)	<u>ND</u>	
	Total BTEX (ppm)	<u>ND</u>	
	Field Headspace (ppm)	<u>1.06</u>	
	TPH	<u>ND</u>	
Groundwater Sample:	Yes _____	No <u>X</u> (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	<u>8-Aug-97</u>	PRINTED NAME	<u>Jeff Cross</u>
SIGNATURE	<u>Jeff Cross</u>	AND TITLE	<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 # 14</u>			
Location:	Unit or Qtr/Qtr	Sec <u>E</u>	SEC 3 T 24N R 4W County <u>RIO ARRIBA</u>
Pit Type:	Separator: <u> </u>	Dehydrator <u> </u>	Other <u>BLOW PIT</u>
Land Type: <u>JIC. TRIBAL</u>			

Pit Location: (Attach diagram)	Pit Dimensions:	Length <u>24'</u>	Width <u>24'</u>	Depth <u>10'</u>
	Reference:	Wellhead <u>XXX</u>	Other <u> </u>	
	Footage from reference:	<u>100'</u>		
	Direction from reference:	<u>95</u> Degrees	<u>XX</u> East	North <u> </u>
			<u> </u> West	South <u>X</u>

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>
Distance to an Ephemeral Stream: (Downgradient dry wash greater than ten feet in width)	Less than 100 feet	(10 points)	
	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)	
	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 100 feet	(20 points)	
	100 feet to 1000 feet	(10 points)	
	Greater than 1000 feet	(0 points)	<u>0</u>
	RANKING SCORE (TOTAL POINTS)		<u>0</u>

Date Remediation Started: <u>9/13/95</u>		Date Completed: <u>9/13/95</u>	
Remediation Method: (Check all appropriate sections)		Excavation <u>XXX</u>	Approx. cubic yards _____
		Landfarmed <u>NONE</u>	Insitu Bioremediation _____
		Other _____	
Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility)		Onsite _____	Offsite _____
General Description of Remedial Action: <u>Excavate pit to 10', took PID readings, readings low, took soil samples, results within closure limits. Put soil back into pit.</u>			
Groundwater Encountered:		No <u>XXX</u>	Yes _____ Depth _____
Final Pit:		Sample location <u>5 point composite taken from pit sidewalls and pit bottom center.</u>	
Closure Sampling: (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>9/14/95</u>		Sample Time <u>8:00 AM</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>1.06</u>		Ethylbenzene (ppb) <u>NA</u>
	TPH (ppm) <u>ND</u>		Total Xylenes (ppb) <u>NA</u>
Groundwater Sample:		Yes _____ No <u>XXX</u> (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 <u>7/25/97</u>		PRINTED NAME <u>JEFF CROSS</u>	
SIGNATURE <u>Jeff Cross</u>		AND TITLE <u>PROJECT MANAGER</u>	
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.			
APPROVED: YES <u>X</u>		NO _____ (REASON) _____	
SIGNED: <u>Keark M...</u>		DATE: <u>7-30-97</u>	

APACHE

APACHE NUMBER 14

SECTION 3, TOWNSHIP 24N, RANGE 4W

RIO ARRIBA COUNTY, NM

DRAINAGE

NORTH

4" BY 40 FEET EPNG METER RUN
METER #89458

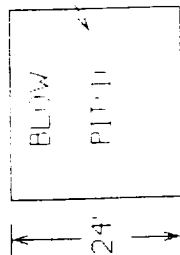
2" GAS FLOW LINE, 21' → LGM | | → S →

2" GAS FLOW LINE, 72' →

WELL HEAD



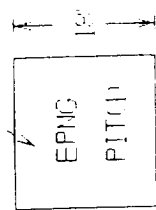
PIT IS 5' DEEP



2" GAS BLOW LINE, 100'

EPNG LINE DRIP

1/2" BLOW LINE, 18'



FIRE WALL 1 TOP, 2' BASE, 10" TALL

APACHE CORPORATION FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

JICARILLA APACHE TRIBAL EPO
REVIEW AND APPROVAL

LOCATION: APACHE 14
PIT COUNT: 1

EPO REPRESENTATIVE K.C.
DATE OF REVIEW: 10/30/95

		EXCAVATION							
DIMENSIONS		START		FINISH				CU.YDS.	
	W'	L'	D'		W'	L'	D'		
PIT 1	24'	24'	4'	PIT 1	24	24'	10	127.0	
PIT 2				PIT 2					
PIT 3				PIT 3					
DATE: 09/14/95		PIT 1@ 10'	PIT 2@	PIT 3@	DATE:		PIT 1@	PIT 2@	PIT 3@
P. I. D.	CENTER	1.8			P. I. D.	CENTER			
	NW CORNER	2.5				NW CORNER			
	NE CORNER	0.0				NE CORNER			
	SW CORNER	0.2				SW CORNER			
	SE CORNER	0.8				SE CORNER			

NOTES:

09/14/95 Excavate to 10". Slight odor and soil color change @ 5', approx. 3" thickness, in 5' dia.

SOIL SAMPLING

SOIL SAMPLING									
DATE: 09/14/95		PIT 1@ 10'	PIT 2@	PIT 3@	ANALYSIS RESULTS			PER LAB:	ASSAIGAI
P. I. D.	CENTER	1.8			PIT	TPH	BTEX	WITNESS	DATE
	NW CORNER	2.5			NO.				
	NE CORNER	0.0			1	ND	ND	IF&S	09/14/95
	SW CORNER	0.2							
	SE CORNER	0.8							

RE-SAMPLE OR CELL(S) SAMPLE

RE - SAMPLE OR CELL(S) SAMPLE									
DATE:		PIT 1@	PIT 2@	PIT 3@	ANALYSIS RESULTS			PER LAB:	
P. I. D.	CENTER				PIT	TPH	BTEX	WITNESS	DATE
	NW CORNER				NO.				
	NE CORNER								
	SW CORNER								
	SE CORNER								

RE-SAMPLE OR CELL(S) SAMPLE

RE-SAMPLE OR CELL(S) SAMPLE									
DATE:		PIT 1@	PIT 2@	PIT 3@	ANALYSIS RESULTS			PER LAB:	
P. I. D.	CENTER				PIT NO.	TPH	BTEX	WITNESS	DATE
	NW CORNER								
	NE CORNER								
	SW CORNER								
	SE CORNER								

Notes:

[illegible]

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	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME075
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	ND	mg/Kg	5.0	1.0	09/27/95	SLFTD46
Diesel	09/21/95	N/A				
HCS DSL XT/CAL DHS 8015M						

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	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME075
Benzene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME075
Toluene	0.0088	mg/Kg	0.0010	5.0	09/21/95	SBTXME075
Ethylbenzene	0.075	mg/Kg	0.0010	5.0	09/21/95	SBTXME075
P-&m-Xylene	0.021	mg/Kg	0.0010	5.0	09/21/95	SBTXME075
O-Xylene						

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

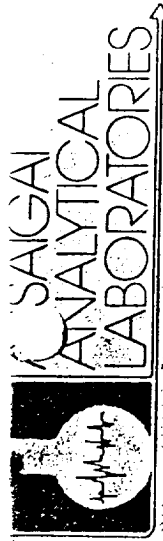
Collected: 09/14/95 10:00:00
Matrix: SOIL

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

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	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME075
Benzene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME075
Toluene						



Chain of Custody Record

7300 JEFFERSON, N.E.
ALBUQUERQUE, NEW MEXICO 87110
(505) 345-8964

3332 WEDGEWOOD
ALBUQUERQUE, TEXAS 79925
(817) 493-6000

MELQUIADES ALANIS
6411 LOCAL UNO
CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Lab Job No. 915
Date 7 of 7
Page 7

Project Manager / Contact JOHN TAYLOR

Telephone No. 325-0318

Fax No. 325-0325

Client Apache Corp.

Address 304 N. Behrend

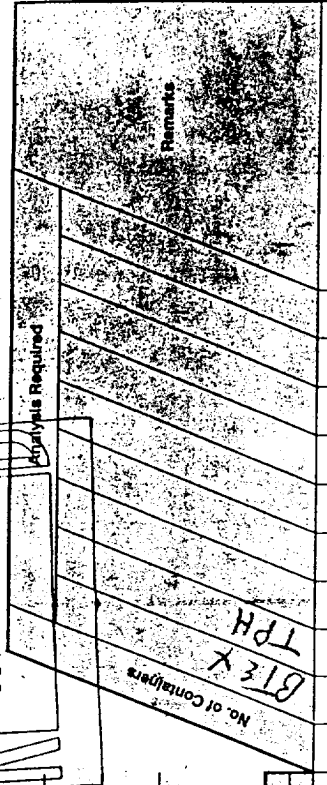
City / State / Zip FARMINGTON NM 87401

Project Name / Number Pit Remediation 95017

Contract / Purchase Order / Quote _____

Samplers: (Signature) [Signature]

OCT 5 1995



AAL FRACTION NUMBER	Field / Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation		No. of Containers	Remarks
						Temp.	Chemical		
Y2A	AP# 18	9/13	2:30	Soil	GLASS	50°	ICE	1	
Y2B	AP# 18	9/13	2:30	Soil	GLASS	5		1	
Y2C	AP# 14	9/14	8:00					1	
Y2D	AP# 14	9/14	8:00					1	
Y2E	AP# 20	9/14	10:00					1	
Y2F	AP# 20	9/14	10:00					1	
Y2G	JIC - Keelbm	9/15	3:30					1	
Y2H	JIC - Keelbm	9/15	3:30					1	
Y2I								1	
Y2J								1	
Y2K								1	
Y2L								1	
Y2M								1	

Relinquished by: Signature <u>[Signature]</u> Printed <u>ELMER J. CHAVEZ</u> Company <u>APC</u> Reason _____	Received by: Signature <u>[Signature]</u> Printed <u>ELMER J. CHAVEZ</u> Company <u>APC</u> Reason _____	Date <u>9/13/95</u> Time <u>7:50 AM</u>
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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