

District 1H
1000 Rio Brazos Rd
Aztec, NM 87410

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

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>23</u>	
Location: Unit or Qtr/Qtr Sec		<u>K</u>	Sec <u>11</u> T <u>24</u> N R <u>4W</u> County <u>Rio Arriba</u>
Pit Type: Separator: _____		Dehydrator _____	Other <u>BLOW PIT</u>
Land Type: <u>Jicarilla Tribal</u>			
Pit Location: (Attach diagram)		Pit Dimensions: Length <u>10'</u> Width <u>10'</u> Depth <u>4'</u>	
Reference:		Wellhead <u>X</u>	Other _____
Footage from reference:		<u>150'</u>	
Direction from reference:		<u>84</u> Degrees <u>XX</u> East	North <u>X</u>
		_____ West	South _____
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) <u>0</u>	
high water elevation of			
groundwater)			
Wellhead Protection Area:		Yes (20 points) _____	
(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) _____	
(Horizontal distance to perennial		200 feet to 1000 feet (10 points) _____	
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:		8/25/95		Date Completed:		8/25/95	
Remediation Method: (Check all appropriate sections)		Excavation		XXX		Approx. cubic yards	
		Landfarmed		NONE		Insitu Bioremediation	
		Other					
Remediation Location:		Onsite		Offsite			
General Description of Remedial Action:		(i.e. landfarmed onsite, name and location of offsite facility)					
		Excavate pit to 4', took PID readings, readings low.					
		Took soil samples, results within closure limits. Put soil back into pit.					
Groundwater Encountered:		No		X		Yes	
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		8/25/95		Sample Time	
		Sample results				11:20 AM	
		Benzene		(ppm)		ND	
		Total BTEX		(ppm)		ND	
		Field Headspace		(ppm)		ND	
		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 # 23</u>			
Location:	Unit or Qtr/Qtr	Sec <u>K</u>	SEC 11 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>10'</u>	Width <u>10'</u> Depth <u>4'</u>
	Reference:	Wellhead <u>XXX</u>	Other <u> </u>
	Footage from reference:	<u>150'</u>	
	Direction from reference:	<u>84</u> Degrees <u>XX</u> East	North <u>X</u>
		<u> </u> West	of South <u> </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>	

Date Remediation Started:		<u>8/25/95</u>		Date Completed:		<u>8/25/95</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 4', took PID readings, readings low,</u>							
<u>took soil samples, results within closure limits.</u> <u>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>8/25/95</u>		Sample Time		<u>11:20 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>ND</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>Karl C. Mammell</u>		DATE:		<u>7-30-97</u>	

NORTH

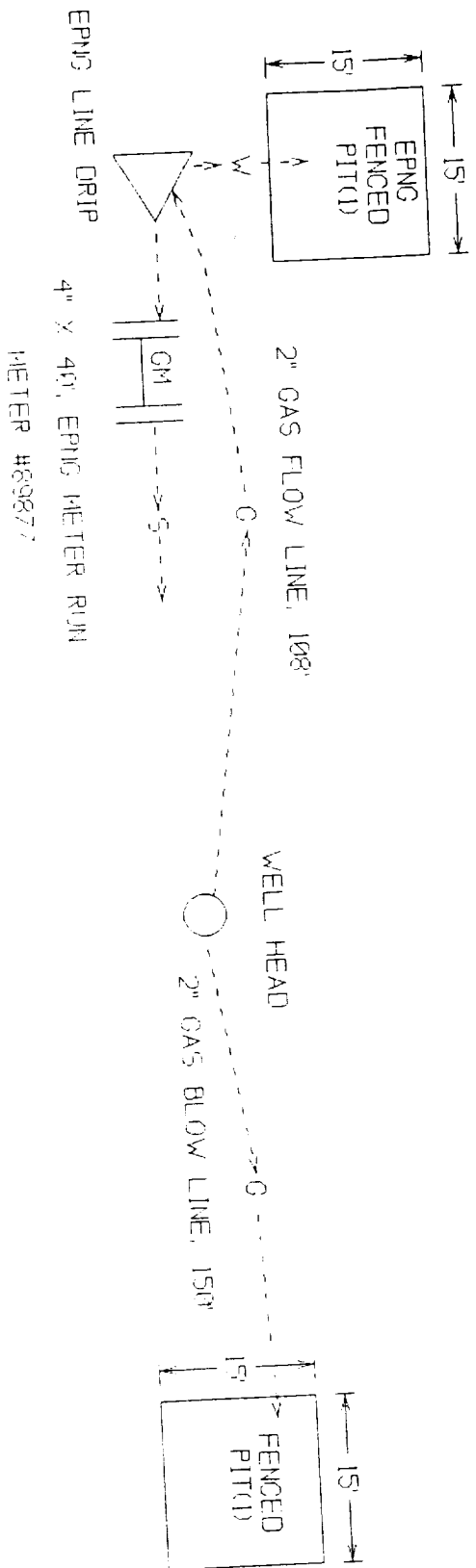
DRAINAGE

APACHE

APACHE NUMBER 23

SECTION 11, TOWNSHIP 24N, RANGE 4W

RIO ARRIBA COUNTY, NM



APACHE CORPORATION FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

JICARILLA APACHE TRIBAL EPO
REVIEW AND APPROVAL

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

LOCATION: APACHE 23
PIT COUNT: 1

EXCAVATION								
DIMENSIONS		START		FINISH				CU.YDS.
	W'	L'	D'		W'	L'	D'	
PIT 1	10'	10'	3'	PIT 1	10'	10'	4'	15.0
PIT 2				PIT 2				
PIT 3				PIT 3				
DATE:08/25/95		PIT 1@ 04'	PIT 2@	PIT 3@	DATE:	PIT 1@	PIT 2@	PIT 3@
P. I. D.	CENTER	0.0			P. I. D.	CENTER		
	NW CORNER	0.0				NW CORNER		
	NE CORNER	0.0				NE CORNER		
	SW CORNER	0.0				SW CORNER		
	SE CORNER	0.0				SE CORNER		

NOTES:

08/25/95 Excavate to 4', no evidence of contamination.

SOIL SAMPLING

DATE:08/25/95		PIT 1@ 04'	PIT 2@	PIT 3@	ANALYSIS RESULTS			PER LAB:	ASSAIGAI
P. I. D.	CENTER	0.0			PIT	TPH	BTEX	WITNESS	DATE
	NW CORNER	0.0			NO.				
	NE CORNER	0.0			1	ND	ND	IF&S	08/25/95
	SW CORNER	0.0							
	SE CORNER	0.0							

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 CLEARED 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								

TPH & BTEX ANALYSIS

Notes:

[illegible]

Lab ID: 9508243-11B
Sample ID: PIT #157-D

Collected: 08/25/95 13:35:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	250	08/31/95	SBTXME072
Toluene	ND	mg/Kg	0.0010	250	08/31/95	SBTXME072
Ethylbenzene	ND	mg/Kg	0.0010	250	08/31/95	SBTXME072
P-&m-Xylene	0.63	mg/Kg	0.0020	250	08/31/95	SBTXME072
O-Xylene	ND	mg/Kg	0.0010	250	08/31/95	SBTXME072

Lab ID: 9508243-12A
Sample ID: PIT #157-S

Collected: 08/25/95 13:15:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M						
Diesel	220	mg/Kg	5.0	10	09/08/95	SLFTD-041
HCs DSL XT/CAL DHS 8015M	08/30/95	N/A				

Lab ID: 9508243-12B
Sample ID: PIT #157-S

Collected: 08/25/95 13:15:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME071
Toluene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME071
Ethylbenzene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME071
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	08/30/95	SBTXME071
O-Xylene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME071

Lab ID: 9508243-13A
Sample ID: PIT #23

Collected: 08/25/95 11:20:00
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	09/05/95	SLFTD-041
HCs DSL XT/CAL DHS 8015M	08/30/95	N/A				

Lab ID: 9508243-13B
Sample ID: PIT #23

Collected: 08/25/95 11:20:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME071
Toluene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME071

ANALYTICAL
LABORATORIES

MELQUIADES ALANIS
6411 LOCAL UNO
CIUDAD JUAREZ, CHIHUAHUA ME

Project Manager / Contact _____

Telephone No.

Fax No. _____

Samplers: (Signature)

Contract / Purchase Order / Quote

AAL FUNCTION NUMBER	Field Sample Number/ Location	Date	Time	Sample Type	Type / Size of Container	Preservation	
						Temp.	Chemical
11A	P.T # 115-D	6/25	1:15	Soil	4oz Soil		N/A
11A	P.T # 115-D	6/25	2:05	Soil	4oz Soil		
11A	P.T # 115-D	6/25	4:30	Soil	4oz Soil		
11B	P.T # 115-D	6/25	1:30	Soil	4oz Soil		
11B	P.T # 157-D	6/25	1:35	Soil	4oz Soil		
11A	P.T # 157-D	6/25	1:55	Soil	4oz Soil		
11A	P.T # 157-D	6/25	1:15	Soil	4oz Soil		
11A	P.T # 157-D	6/25	1:15	Soil	4oz Soil		
11A	P.T # 23	6/25	4:00	Soil	4oz Soil		
11A	P.T # 23	6/25	4:00	Soil	4oz Soil		
11A	P.T # 23	6/25	1:15	Soil	4oz Soil		
11A	P.T # 23	6/25	1:15	Soil	4oz Soil		

Relinquished by: Signature _____ Printed _____ Company _____ Reason _____	Received by: Signature _____ Printed _____ Company _____ Reason _____	Date _____	Relinquished by: Signature _____ Printed _____ Company _____ Reason _____
		Time _____	

Date	Received by: _____
	Signature _____ Printed _____ Company _____ Branch _____
Time	

Method of Shipment:	Comments:	After analysis, samples are to be: ☐ Disposed of (additional fee) ☐ Stored (30 days max) ☐ Stored over 30 days (additional fee) ☐ Returned to customer
Sample No.		
Special Instructions:		

COUGLER