

District 10
1000 Rio Brazos Rd
Apache, NM 87401
Oil & Gas Inspector

State of New Mexico
Energy, Minerals and Natural Resources Department

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

APR 10 1998

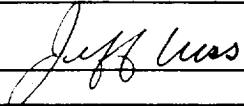
OIL CONSERVATION DIVISION
2040 S. PACHECO
Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

Approved

Operator: <u>Apache Corporation</u>		Telephone: <u>505-325-0318</u>	
Address: <u>2855 Southside River Road, Suite A, Farmington, NM 87401</u>			
Facility or Well Name:		<u>Apache # 22</u>	<u>Pit #3</u>
Location: Unit or Qtr/Qtr Sec		<u>L</u> <u>Sec 9</u> <u>T 24 N</u> <u>R 4W</u>	County <u>Rio Arriba</u>
Pit Type: Separator: _____		Dehydrator _____	Other <u>Drip Pit</u>
Land Type: _____		<u>Jicarilla Tribal</u>	
Beginning Pit Dimensions:		Length <u>18'</u>	Width <u>18'</u> Depth <u>4'</u>
Pit Location: (Attach diagram)	Ending Pit Dimensions:	Length <u>18'</u>	Width <u>18'</u> Depth <u>13'</u>
Reference:		Wellhead <u>X</u>	Other _____
Footage from reference:		<u>45'</u>	
Direction from reference:		<u>70</u> Degrees <u>XX</u> East	North <u>X</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
DEC 10 1997
OIL CON. DIV.
SFE 2

Date Remediation Started:		<u>9/9/95</u>	Date Completed:		<u>6/24/97</u>
Remediation Method: (Check all appropriate sections)		Excavatio <u>XXX</u>	Approx. cubic yards		<u>85</u>
	Landfarmed	<u>XX</u>	Insitu Bioremediation		
	Other				
Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility)		Onsite <u>XX</u>	Offsite _____		
General Description of Remedial Action:		<u>Excavate pit to 13', took PID readings.</u>			
		<u>Spread soil on location for remediation. Took soil samples.</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>9/9/95</u>	Sample Time	<u>4:25 P.M.</u>	
	Sample results				
	Benzene	(ppm)	<u>ND</u>		
	Total BTEX	(ppm)	<u>0.031</u>		
	Field Headspace	(ppm)	<u>48.06</u>		
	TPH		<u>1200</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>November 5, 1997</u>	PRINTED NAME		<u>Jeff Cross</u>
SIGNATURE			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 # 22</u>		PIT # <u>3</u>	
Location:	Unit or Qtr/Qtr	Sec <u>L</u>	SEC <u>9</u> T <u>24N</u> R <u>4W</u> County <u>RIO ARRIBA</u>
Pit Type:	Separator: <u> </u>	Dehydrator <u> </u>	Other <u>DRIP PIT</u>
Land Type: <u>JIC. TRIBAL</u>			

Pit Location: (Attach diagram)	Pit Dimensions:	Length <u>18'</u>	Width <u>18'</u>	Depth <u>13'</u>
	Reference:	Wellhead <u>XXX</u>	Other <u> </u>	
	Footage from reference:	<u>45'</u>		
	Direction from reference:	<u>70</u> Degrees	<u>XX</u> East	North <u>X</u>
			West	South <u> </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>9/9/95</u>		Date Completed: <u>6/24/97</u>	
Remediation Method: (Check all appropriate sections)	Excavation <u>XXX</u>	Approx. cubic yards	<u>78</u>
	Landfarmed <u>XX</u>	Insitu Bioremediation	
	Other _____		
Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility)		Onsite <u>XX</u>	Offsite _____
General Description of Remedial Action: <u>Excavate pit to 13', took PID readings. spread soil on location for remediation. Took soil samples.</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>9/9/95</u>	Sample Time <u>4:25PM</u>
Sample results			
Soil:	Benzene (ppm)	<u>ND</u>	Water: Benzene (ppb) <u>NA</u>
	Total BTEX (ppm)	<u>0.031</u>	Toluene (ppb) <u>NA</u>
	Field Headspace (ppm)	<u>48.06</u>	Ethylbenzene (ppb) <u>NA</u>
	TPH (ppm)	<u>1200</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>8-22-97</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>Kurt C. Marshall</u>		DATE: <u>9-2-97</u>	

SPREAD & SEED
AREA



APACHE

APACHE NUMBER 22 L8899 JAT 127

SECTION 3, TOWNSHIP 24N RANGE 4W

RIO ARriba COUNTY, NM

Revised 8/1/97 NC

TANK PIT
#2

10000 BBL
OIL

10000 BBL
OIL

BLOW PIT
#1

Dirt
cell

WELL HEAD

LINE DROP
PIT
#3

DRAINAGE
NORTH

LINE DRIP

METER RUN IS 1000' FROM LINE DRIP
TO METER RUN

APACHE CORPORATION FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

JICARILLA APACHE TRIBAL EPO
REVIEW AND APPROVAL

LOCATION: APACHE 22

EPO REPRESENTATIVE K.C.

PIT COUNT: 3

DATE OF REVIEW: 10/30/95

DIMENSIONS		EXCAVATION							
		START		FINISH					
	W'	L'	D'		W'	L'	D'	CU.YDS.	
	24'	24'	4'	PIT 1	24'	24'	8'	85.0	
PIT 2	24'	24'	3'	PIT 2	24'	24'	7'	85.0	
PIT 3	18'	18'	4'	PIT 3	18'	18'	13'	78.0	
DATE: 09/09/95		PIT 1@ 08'	PIT 2@ 07'	PIT 3@ 13'	DATE:		PIT 1@	PIT 2@	PIT 3@
P. I. D.	CENTER	0.0	51.6	50.6	P. I. D.	CENTER			
	NW CORNER	0.0	0.0	53.1		NW CORNER			
	NE CORNER	0.0	0.0	57.9		NE CORNER			
	SW CORNER	0.0	0.0	36.9		SW CORNER			
	SE CORNER	0.0	0.0	41.8		SE CORNER			

NOTES:

09/09/95 PIT 1 - Excavate to 8', no evidence of contamination.
PIT 2 - Excavate to 7', some odor in center to 5'.
09/11/95 PIT 3 - Excavate to 13', dark gray staining and odor to 9', spread soil for remediation.

SOIL SAMPLING

SOIL SAMPLING									
DATE: 09/09/95		PIT 1@ 08'	PIT 2@ 07'	PIT 3@ 13'	ANALYSIS RESULTS			PER LAB:	ASSAIGAI
					PIT	TPH	BTEX	WITNESS	DATE
P. I. D.	CENTER	0.0	51.6	50.6	NO.				
	NW CORNER	0.0	0.0	53.1					
	NE CORNER	0.0	0.0	57.9	1	ND	ND	IF&S	09/09/95
	SW CORNER	0.0	0.0	36.9	2	ND	ND	IF&S	09/09/95
	SE CORNER	0.0	0.0	41.8	3	1200.0	0.009	IF&S	09/11/95

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

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								

**PIT CLOSURE STATUS REPORT
(CONFIDENTIAL)**

Date: 09/0995		Well Number: APACHE #22 KC 103095		Proj. Number: 95017	
Date Start: 09/09/95		Number of Pits: 3		Date Finished: 09/09/95	
DIMENSIONS & YARDAGE					
1	Type:	H	X	C	Dimensions Pit 1 Start:
					24' X 24' X 4'
2	Type:	H		C	Dimensions Pit 2 Start:
					24' X 24' X 3' (22-NC)
3	Type:	H		C	Dimensions Pit 3 Start:
					18' X 18' X 4' (22-SC)
					Dimensions Pit 1 Finished:
					24' X 24' X 8'
					Dimensions Pit 2 Finished:
					24' X 24' X 7'
					Dimensions Pit 3 Finished:
					18' X 18' X 13'
					Total Liquids Removed:
					0
Total Cu. Yards Removed:					267.99

TPH & BTEX ANALYSIS

[illegible]

Notes:

PID READINGS					Site Number: 22
Date	Pit No.	Interval (Depth)	Location	Reading (ppm)	Notes:
09/09/95	1	8'	Center	0.0	No visible signs of contamination present at the pit bottom. Took 5 part composite sample and PID readings.
09/09/95	1	8'	Bottom, N.W. Corner	0.0	
09/09/95	1	8'	Bottom, N.E. Corner	0.0	
09/09/95	1	8'	Bottom, S.W. Corner	0.0	
09/09/95	1	8'	Bottom, S.E. Corner	0.0	
09/09/95	2	7'	Center	51.6	Center sample had a very slight skunk like odor similar to water contamination. Otherwise, no visible sign of contamination.
09/09/95	2	7'	Bottom, N.W. Corner	0.0	
09/09/95	2	7'	Bottom, N.E. Corner	0.0	
09/09/95	2	7'	Bottom, S.W. Corner	0.0	
09/09/95	2	7'	Bottom, S.E. Corner	0.0	
09/11/95	3	9'	Center	88.1	Dark gray to Black Sandy Soil with a slight odor. Excavated to 13', rolled bottom 1 foot of the pit bottom then stopped.
09/11/95	3	9'	Bottom, N.W. Corner	61.9	
09/11/95	3	9'	Bottom, N.E. Corner	88.4	
09/11/95	3	9'	Bottom, S.W. Corner	55.3	
09/11/95	3	9'	Bottom, S.E. Corner	50.7	Spread Soil Pit 3 for Remediation
09/11/95	3	13'	Center	50.6	
09/11/95	3	13'	Bottom, N.W. Corner	53.1	
09/11/95	3	13'	Bottom, N.E. Corner	57.9	
09/11/95	3	13'	Bottom, S.W. Corner	36.9	
09/11/95	3	13'	Bottom, S.E. Corner	41.8	

Lab ID: 9509145-02B
Sample ID: AP# 134

Collected: 09/09/95 11:13:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Cs DIESEL/CAL DHS 8015M	530	mg/Kg	5.0	50	09/27/95	SLFTD46
Diesel	09/21/95	N/A				
Cs DSL XT/CAL DHS 8015M						

Lab ID: 9509145-03A
Sample ID: AP# 22H Pit #1

Collected: 09/09/95 14:55:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 802CA	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Benzene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Toluene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Ethylbenzene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
P-&m-Xylene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
O-Xylene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074

Lab ID: 9509145-03B
Sample ID: AP# 22H Pit #1

Collected: 09/09/95 14:55:00
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: 9509145-04A
Sample ID: AP# 22-SC Pit #3

Collected: 09/09/95 16:25:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Benzene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Toluene	0.0095	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Ethylbenzene	0.010	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
P-&m-Xylene	0.012	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
O-Xylene						

Lab ID: 9509145-04B
Sample ID: AP# 22-SC Pit #3

Collected: 09/09/95 16:25:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCS DIESEL/CAL DHS 8015M	1200	mg/Kg	5.0	100	09/27/95	SLFTD46
Diesel	09/21/95	N/A				
HCS DSL XT/CAL DHS 8015M						

Lab ID: 9509145-05A
Sample ID: AP# 22-NC Pit #2

Collected: 09/11/95 10:15:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TEX/SW846 8020A	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Benzene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Toluene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Ethylbenzene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
P-&m-Xylene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
O-Xylene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074

Lab ID: 9509145-05B
Sample ID: AP# 22-NC Pit #2

Collected: 09/11/95 10:15:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
ICs DIESEL/CAL DHS 8015M	ND	mg/Kg	5.0	1.0	09/26/95	SLFTD46
Diesel	09/21/95	N/A				
ICs DSL XT/CAL DHS 8015M						

Lab ID: 9509145-06A
Sample ID: AP# 16

Collected: 09/11/95 13:10:00
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: 9509145-06B
Sample ID: AP# 16

Collected: 09/11/95 13:10:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Benzene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Toluene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Ethylbenzene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
P-&m-Xylene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
O-Xylene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074

Lab ID: 9509145-07A
Sample ID: AP# 15

Collected: 09/11/95 14:15:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
TEX/SW846 8020A	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Benzene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Toluene						



CHAIN OF CUSTODY

Lab Job no.: 9145 Date: 9/15/95
Page 5 of 7

Client: APACHE CORP. Project Manager / Contact: John Taylor

Address: 504 N. Behrend Telephone No. (505) 325-0318

City/State/Zip: FARMINGTON NM 87401 Fax No. 325-0325

Project Name / Number: P.I. Remediation 95017 Samplers: (Signature) [Signature]

Contract / Purchase Order / Quote: _____

3332 WEDGEWOOD
EL PASO, TEXAS 79925
(915) 593-6000

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

MELQUIADES ALANIS
6411 LOCAL UNO
CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

No. of Containers	Sample #	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation	
							Temp.	Chemical
1	AP # 126	9/9	8:50	201	Glass	50	Ice	
1	AP # 126	9/9	8:50					
1	AP # 134	9/9	11:13					
1	AP # 134	9/9	11:13					
1	AP # 22 H	9/9	2:55					
1	AP # 22 H	9/9	2:55					
1	AP # 22 SC	9/9	4:25					
1	AP # 22 SC	9/9	4:25					
1	AP # 22 NC	9/11	10:15					
1	AP # 22 NC	9/11	10:15					
1	AP # 16	9/11	1:10					
1	AP # 16	9/11	1:10					

Received by:		Relinquished by:	
Date	Signature	Date	Signature
9/15/95	[Signature]	9/15/95	[Signature]
Time	Printed	Time	Printed
7:50 PM	7:50 PM	7:50 PM	7:50 PM
Company	Company	Company	Company
Reason	Reason	Company	Reason

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

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

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>APACHE CORPORATION</u> Telephone <u>505-325-0318</u>	
Address: <u>304 N. BEHREND, FARMINGTON, N.M. 87401</u>	
Facility or Well Name: <u>APACHE # 22</u>	
Location: Unit or Qtr/Qtr Sec <u>L</u> Sec <u>9</u> T <u>24N</u> R <u>4W</u> County <u>RIO ARRIBA</u>	
Land Type <u>JIC. TRIBAL</u>	
Date Remediation Started: <u>9/9/95</u> Date Completed: <u>6/24/97</u>	
Remediation Method: Landfarmed <u>XXX</u> Approx. cubic yards <u>248</u>	
Composted _____	
Other _____	
Depth to Groundwater: (pts) <u>0</u>	Final Closure Sampling Sampling Date: <u>6/24/97</u> Time: <u>9:00AM</u> Sample Results: Field Headspace (ppm) <u>0.5</u> TPH (ppm) <u>1300</u> Method <u>M8015</u> Other <u>BTEX \ SW846 , 8020A (ND)</u>
Distance to an Ephemeral Stream: (pts) <u>0</u>	
Distance to Nearest Lake, Playa, or Watering Pond: (pts) <u>0</u>	
Wellhead Protection Area: (pts) <u>0</u>	
Distance To Surface Water: (pts) <u>0</u>	
RANKING SCORE (TOTAL POINTS) <u>0</u>	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE: <u>Jeff Cross 8-22-97</u>	PRINTED NAME <u>JEFF CROSS</u>
SIGNATURE <u>Jeff Cross</u>	TITLE <u>PROJECT MANAGER</u>
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION. ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.	
APPROVED: YES <u>X</u> NO _____ (REASON) _____	
SIGNED: <u>Keith C. Merrill</u> DATE: <u>9-2-97</u>	

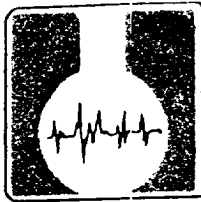
APACHE CORPORATION/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE APACHE # 22

* AMOUNT OF SOIL UNDERGOING REMEDIATION 248 Yds.

CELL No. <u>1</u>	SampDATE 6/24/97	TPH 1300	BTEX ND
DIMENSIONS(LxWxH) <u>65'L X 65' W X 18" H</u>			
CELL LOCATION (dir. from well head) <u>NORTH</u>			
* DATE BEGAN: <u>9/9/95</u>			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm) <u>6/24/97</u>			
CELL No. <u>2</u>	SampDATE	TPH	BTEX
DIMENSIONS(LxWxH) _____			
CELL LOCATION (dir. from well head) _____			
* DATE BEGAN: _____			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm) _____			
CELL No. <u>3</u>	SampDATE	TPH	BTEX
DIMENSIONS(LxWxH) _____			
CELL LOCATION (dir. from well head) _____			
* DATE BEGAN: _____			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm) _____			
REMEDICATION RECORD: (Date, Treatment, Tilling)			
9/11/95 TREAT WITH 28-4-4 FERTILIZER,TILL SOIL.			
6/21/97 TREAT WITH 46-0-0 FERTILIZER,WATER AND TILL SOIL.			

From excavation reports.



**ASSAIGAI
ANALYTICAL
LABORATORIES, INC.**

JUL 21 1997

7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259

3332 Wedgewood, E-5 • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820

Report Generated:
July 7, 1997 16:23

**CERTIFICATE OF ANALYSIS
RESULTS BY SAMPLE**

SENT APACHE CORPORATION
TO: 304 N. BEHREND
FARMINGTON, NM 87401

WORKORDER # : 9706284
WORK ID : JICARILLA PIT CLOSURES
CLIENT CODE : APA01
DATE RECEIVED : 06/27/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9706284-01A
Sample ID: AP #22 CELL

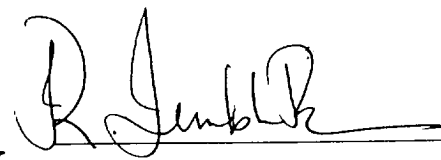
Collected: 06/24/97 09:00:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A	ND	mg/kg	0.0050	100	06/30/97	SBTXME173
Benzene	ND	mg/kg	0.0050	100	06/30/97	SBTXME173
Toluene	ND	mg/kg	0.0050	100	06/30/97	SBTXME173
Ethylbenzene	ND	mg/kg	0.010	100	06/30/97	SBTXME173
P-&m-Xylene	ND	mg/kg	0.0050	100	06/30/97	SBTXME173
O-Xylene	ND	mg/kg	0.0050	100	06/30/97	SBTXME173

Lab ID: 9706284-01B
Sample ID: AP #22 CELL

Collected: 06/24/97 09:00:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	1,300	mg/Kg	50	25	06/30/97	SDRO39


for William P. Biava
President



WORKORDER COMMENTS

DATE : 07/07/97
WORKORDER:

DEFINITIONS/DATA QUALIFIERS

The following are definitions, abbreviations, and data qualifiers which may have been utilized in your report:

ND = Analyte "not detected" in analysis at the sample specific detection limit.

D_F = Sample "dilution factor"

NT = Analyte "not tested" per client request.

B = Analyte was also detected in laboratory method QC blank.

E = Analyte concentration (result) is an estimated value or exceeds analysis calibration range.

LIMIT = The minimum amount of the analyte that AAL can detect utilizing the specified analysis.

Please Note: Multiply the "Limit" value (AAL's Detection Limit) by Dilution Factor (D_F) to obtain the sample specific Detection Limit.

REPORT COMMENTS



Chain of custody

ALBUQUERQUE, NEW MEXICO
(505) 345-896

3332 WEDGEWOOD
EL PASO, TEXAS 79925
(915) 593-6000

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

MELQUIADES ALANIS

6411 LOCAL UNO
CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Client Apache Corporation Project Manager / Contact Jeff Cross

Address 304 N. Behrend Telephone No. (505) 774-6643

City / State / Zip Farmington, NM 87401 Fax No. (505) 774-6624

Project Name / Number JICARILLA PIT CLOSURES Samplers: (Signature) John Mulina

Contract / Purchase Order / Quote _____

ALL FRACTION NUMBER	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation	
						Temp.	Chemical
1A	AP #22 cell	6-24-97	11:00	SOIL	4oz. Glass		ICE
1B	"	"	"	"	"		"
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100							

Analysis Required

Remarks

No. of Containers

BTEX (mod. 8/95)

ORP (mod. 8/95)

1

1

Relinquished by: Signature <u>Jeff Cross</u> Printed <u>JEFF CROSS</u> Company <u>Apache Corp.</u> Reason _____	Received by: Signature <u>Scott Pratt</u> Printed <u>SCOTT PRATT</u> Company <u>AAL</u> Reason _____	Date 6-27-97 Time 11:55	Relinquished by: Signature <u>Scott Pratt</u> Printed <u>SCOTT PRATT</u> Company <u>AAL</u> Reason _____	Received by: Signature <u>Scott Pratt</u> Printed <u>SCOTT PRATT</u> Company <u>AAL</u> Reason _____	Date 27 June 97 Time 20:30	Received by: Signature <u>Catalina Rubio</u> Printed _____ Company <u>AAL</u> Reason _____
Method of Shipment: _____			After analysis, samples are to be:			
Shipment No. _____			☐ Disposed of (additional fee)			
Special Instructions: _____			☐ Stored (30 days max)			
			☐ Stored over 30 days (additional fee)			
			☐ Returned to customer			

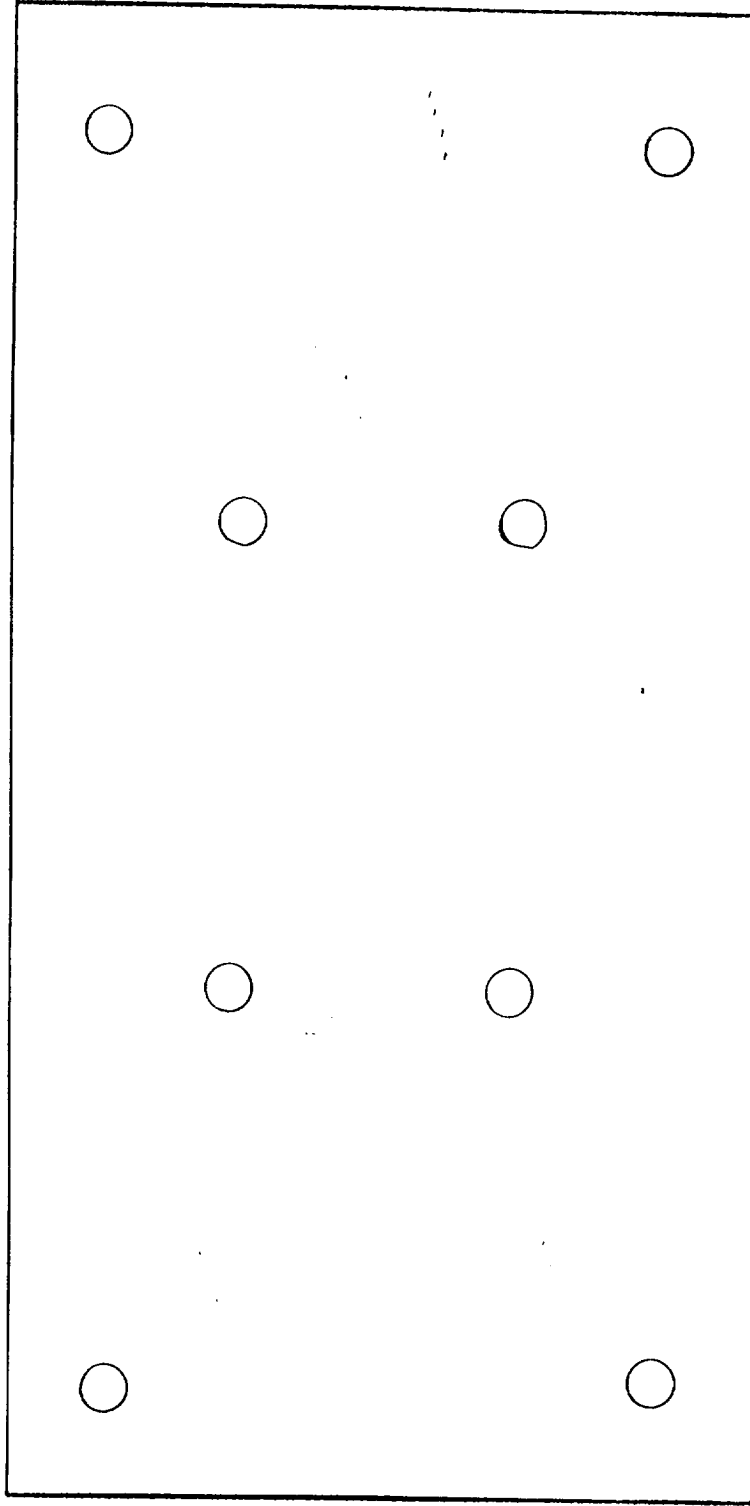
LABORATORY

WELL NAME: Apache #22

SAMPLE DATE: 6-24-97

DIMENSIONS: 65' L X 65' W X 18" H

○ = SAMPLE AREA



NOTES: ALL SAMPLES TAKEN 10" TO 12" INTO CELL

8 point composite sample

PID composite Reading. 0.5 ppm.
