

District III

1000 Rio Brazos Rd.
Aztec, NM 87400**DEPUTY OIL & GAS INSPECTOR**

Energy, Minerals and Natural Resources Department

State of New Mexico

OIL CONSERVATION DIVISION

2040 S. PACHECO

Santa Fe, New Mexico 87505

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

APR 10 1998

PIT REMEDIATION AND CLOSURE REPORTOperator: **Apache Corporation**

Telephone:

505-325-0318Address: **2855 Southside River Road, Suite A, Farmington, NM 87401**

Facility or Well Name:

Apache # 116

Location: Unit or Qtr/Qtr Sec

C**Sec 12****T 24 N****R 4W**

County

Rio Arriba

Pit Type: Separator:

Dehydrator

Other

TANK DRAIN (Blow Pit)

Land Type:

Jicarilla Tribal**BEGINNING DIMENSIONS**Pit Location: **END** Pit Dimensions:

(Attach diagram)

Length

24'

Width

24'

Depth

7'

Reference:

Wellhead

X

Other

Footage from reference:

80'

Direction from reference:

62

Degrees

XX

East

North

X

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)

0**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)

0**RECEIVED**
DEC 10 1997**OIL CON. DIV.**
DIST. 3**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)

0

RANKING SCORE (TOTAL POINTS)

0

Date Remediation Started: 8/28/95 Date Completed: 8/14/97

Remediation Method: (Check all appropriate sections)
Excavatio XXX Approx. cubic yards 100
Landfarmed XX Insitu Bioremediation _____
Other _____

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

General Description of Remedial Action: Excavate pit to 7', took PID readings.
Spread soil on location for remediation. Took soil samples.

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 9/15/95 Sample Time 2:46 P.M.
Sample results

Benzene (ppm) ND

Total BTEX (ppm) ND

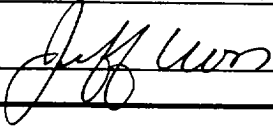
Field Headspace (ppm) 1.42

TPH 220

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 November 5, 1997 PRINTED NAME Jeff Cross

SIGNATURE  AND TITLE Project Manager

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

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 # 116</u>			
Location:	Unit or Qtr/Qtr	Sec	County
	<u>C</u>	<u>SEC 12</u>	<u>RIO ARRIBA</u>
Pit Type:	Separator: <u> </u>	Dehydrator <u> </u>	Other <u>TANK DRAIN (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>7'</u>
Reference:	Wellhead <u>XXX</u>	Other <u> </u>	
Footage from reference:	<u>80</u>		
Direction from reference:	<u>62</u> Degrees	<u>XX</u> East	North <u>X</u>
		<u> </u> West	South <u> </u>
Depth To Groundwater:			
(vertical distance from	Less than 50 feet	(20 points)	<u> </u>
contaminants to seasonal	50 feet to 99 feet	(10 points)	<u> </u>
high water elevation of	Greater than 100 feet	(0 points)	<u>0</u>
groundwater)			
Distance to an Ephemeral Stream:			
(Downgradient dry wash greater than	Less than 100 feet	(10 points)	<u> </u>
ten feet in width	Greater than 100 feet	(0 points)	<u>0</u>
Distance to Nearest Lake, Playa, or Watering Pond:			
(Downgradient lakes, playas and	Less than 100 feet	(10 points)	<u> </u>
livestock or wildlife watering ponds)	Greater than 100 feet	(0 points)	<u>0</u>
Wellhead Protection Area:			
(Less than 200 feet from a private	Yes	(20 points)	<u> </u>
domestic water source, or less than	No	(0 points)	<u>0</u>
1000 feet from all other water sources)			
Distance To Surface Water:			
(Horizontal distance to perennial	Less than 100 feet	(20 points)	<u> </u>
lakes, ponds, rivers, streams, creeks,	100 feet to 1000 feet	(10 points)	<u> </u>
irrigation canals and ditches)	Greater than 1000 feet	(0 points)	<u>0</u>
RANKING SCORE (TOTAL POINTS)			<u>0</u>

Date Remediation Started:		<u>8/28/95</u>		Date Completed:		<u>8-14-97</u>	
Remediation Method: (Check all appropriate sections)		Excavation <u>XXX</u>		Approx. cubic yards		<u>100</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 7', 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>9/15/95</u>		Sample Time		<u>2:46PM</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>1.42</u>		Ethylbenzene	(ppb)	<u>NA</u>
	TPH	(ppm)	<u>220</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>Keith C. M...</u>		DATE:		<u>9-2-97</u>	

SEED AREA
 Spread AREA

GENERAL DRAINAGE

NORTH

APACHE
 APACHE NUMBER 116 Lease # JAT 126
 NE/4 NW/4 (C)
 SECTION 12 TOWNSHIP 24N, RANGE 4W
 RIO ARriba COUNTY, NM
 Revised 8/1/97 MG

WELL HEAD



Dirt cell
 #2

4' X 40' ERNG METER RUN

ERNG LINE DRIP

Dirt cell
 #1

SEPARATOR

400 BBL
 WATER

400 BBL
 OIL

80' ENE
 620' FILL

APACHE CORPORATION FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

LOCATION: APACHE 116

11. E

PIT COUNT: 1

JICARILLA APACHE TRIBAL EPO
REVIEW AND APPROVAL

EPO REPRESENTATIVE K.C.

DATE OF REVIEW: 10/30/95

		EXCAVATION							
DIMENSIONS		START		FINISH					
	W'	L'	D'		W'	L'	D'	CU.YDS.	
PIT 1	21'	21'	3'	PIT 1	24'	24'	7'	100.0	
PIT 2				PIT 2					
PIT 3				PIT 3					
DATE: 08/28/95		PIT 1@ 07'	PIT 2@	PIT 3@	DATE: 09/15/95		PIT 1@ 07'	PIT 2@	PIT 3@
P. I. D.	CENTER	104.0			P. I. D.	CENTER	1.6		
	NW CORNER	68.0				NW CORNER	1.4		
	NE CORNER	54.0				NE CORNER	1.3		
	SW CORNER	72.0				SW CORNER	1.4		
	SE CORNER	78.0				SE CORNER	1.4		

NOTES:

08/28/95 Excavate to 7', staining and odor to 5.5'.

SOIL SAMPLING

DATE: 08/28/95		PIT 1@ 07'	PIT 2@	PIT 3@	ANALYSIS RESULTS		PER LAB: ASSAIGAI	
	CENTER	104.0			PIT NO.	TPH	BTEX	WITNESS DATE
P.	NW CORNER	68.0			1	300.0	ND	IF&S 08/28/95
I.	NE CORNER	54.0						
D.	SW CORNER	72.0						
	SE CORNER	78.0						

RE-SAMPLE OR CELL(S) SAMPLE

DATE: 09/15/95		PIT 1@ 07'	PIT 2@	PIT 3@	ANALYSIS RESULTS		PER LAB: ASSAIGAI	
	CENTER	1.6			PIT NO.	TPH	BTEX	WITNESS DATE
P.	NW CORNER	1.4			1	220.0	ND	JDT 09/15/95
I.	NE CORNER	1.3						
D.	SW CORNER	1.4						
	SE CORNER	1.4						

RE-SAMPLE OR CELL(S) SAMPLE

DATE:		PIT 1@	PIT 2@	PIT 3@	ANALYSIS RESULTS		PER LAB:	
	CENTER				PIT NO.	TPH	BTEX	WITNESS DATE
P.	NW CORNER							
I.	NE CORNER							
D.	SW CORNER							
	SE CORNER							

Lab ID: 9509143-14A
Sample ID: AP# 116

Collected: 09/15/95 14:46:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5.0	09/22/95	SBTXME076
Toluene	ND	mg/Kg	0.0010	5.0	09/22/95	SBTXME076
Ethylbenzene	ND	mg/Kg	0.0010	5.0	09/22/95	SBTXME076
P-&m-Xylene	ND	mg/Kg	0.0010	5.0	09/22/95	SBTXME076
O-Xylene	ND	mg/Kg	0.0010	5.0	09/22/95	SBTXME076

Lab ID: 9509143-14B
Sample ID: AP# 116

Collected: 09/15/95 14:46:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M						
Diesel	220	mg/Kg	5.0	20	09/26/95	SLFTD45
HCs DSL XT/CAL DHS 8015M	09/20/95	N/A				

Lab ID: 9509143-15A
Sample ID: AP# 118

Collected: 09/15/95 15:03:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	500	09/26/95	SBTXME078
Toluene	ND	mg/Kg	0.0010	500	09/26/95	SBTXME078
Ethylbenzene	0.81	mg/Kg	0.0010	500	09/26/95	SBTXME078
P-&m-Xylene	4.7	mg/Kg	0.0010	500	09/26/95	SBTXME078
O-Xylene	1.2	mg/Kg	0.0010	500	09/26/95	SBTXME078

Lab ID: 9509143-15B
Sample ID: AP# 118

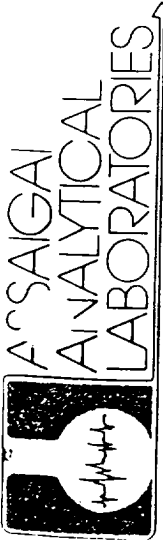
Collected: 09/15/95 15:03:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M						
Diesel	450	mg/Kg	5.0	20	09/26/95	SLFTD45
HCs DSL XT/CAL DHS 8015M	09/20/95	N/A				

Lab ID: 9509143-16A
Sample ID: AP# 138

Collected: 09/15/95 15:31:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5.0	09/22/95	SBTXME076
Toluene	ND	mg/Kg	0.0010	5.0	09/22/95	SBTXME076



Chain of Custody Record

7300 JEFFERSON, N.E.
ALBUQUERQUE, NEW MEXICO 87107
(505) 345-8964

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

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

Client Apache Corp.
address 304 N. Behrend
City / State / Zip Farminston, N.M. 87401
Project Name / Number Pit Remediation 75017
Contract / Purchase Order / Quote _____

Project Manager / Contact John Taylor
Telephone No. (505) 325-0318
Fax No. (505) 325-0328
Samplers: (Signature) [Signature]

MELQUIADES ALANIS
6411 LOCAL UNO
CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

AAL FRACTION NUMBER	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation		No. of Containers	Remarks
						Temp.	Chemical		
	AP # 106	8/29	11:20	Soil	Glass	500	IOE	1	
	AP # 106	8/29	11:20					1	
	AP # 116	8/29	3:20					1	
	AP # 116	8/29	3:20					1	
	AP # 127	8/30	2:45					1	
	AP # 127	8/30	2:45					1	
	AP # 29	9/1	1:30					1	
	AP # 29	9/1	1:30					1	
	AP # 24	9/1	3:30					1	
	AP # 24	9/1	3:30					1	
	AP # 111	9/5	3:00					1	
	AP # 111	9/5	3:00					1	

RECEIVED
SEP 25 1995

Relinquished by: Signature <u>[Signature]</u> Printed <u>SCOTT PATI</u> Company <u>AAL</u> Reason <u>K</u>	Received by: Signature <u>[Signature]</u> Printed <u>EVAN J. CHAVEZ</u> Company <u>AAL</u> Reason <u>Picked up / Testing</u>	Date <u>9/8/95</u> Time <u>3:25 PM</u>	Date <u>08 Aug</u> Time <u>17:30</u>
Comments: _____		After analysis, samples are to be: ☐ Disposed of (additional fee) ☐ Stored (30 days max) ☐ Stored over 30 days (additional fee) ☐ Returned to customer	

COURIER

Report Generated:

September 18, 1995 14:24

CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE

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

ATTN: JOHN TAYLOR

WORKORDER # : 9509064
WORK ID : PIT REMEDIATION 95017
CLIENT CODE : APA01
DATE RECEIVED : 09/08/95

Page: 1

Lab ID: 9509064-01A

Sample ID: AP# 106

Collected: 08/29/95 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	500	09/12/95	SMSVOA316
Toluene	ND	mg/Kg	0.0010	500	09/12/95	SMSVOA316
Ethylbenzene	1.7	mg/Kg	0.0010	500	09/12/95	SMSVOA316
P-&m-Xylene	13	mg/Kg	0.0020	500	09/12/95	SMSVOA316
O-Xylene	7.0	mg/Kg	0.0010	500	09/12/95	SMSVOA316

Lab ID: 9509064-01B

Sample ID: AP# 106

Collected: 08/29/95 11:20:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M						
HCs DSL XT/CAL DHS 8015M	10,000 mg/kg	N/A	5.0	1000	9/8/95	SCPT042

Lab ID: 9509064-02A

Sample ID: AP# 116

Collected: 08/29/95 15:20:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5.0	09/12/95	SMSVOA316
Toluene	ND	mg/Kg	0.0010	5.0	09/12/95	SMSVOA316
Ethylbenzene	ND	mg/Kg	0.0010	5.0	09/12/95	SMSVOA316
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	09/12/95	SMSVOA316
O-Xylene	ND	mg/Kg	0.0010	5.0	09/12/95	SMSVOA316



Chain of Custody Record

Lab job no: 9064 Date 1 of 2

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

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

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

Client Apache Corp.

Project Manager / Contact John Taylor

MELQUIADES ALANIS

6411 LOCAL UNO

CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Address 304 N. Behrend

Telephone No. (505) 325-0318

City / State / Zip Farmington, N.M. 87401

Fax No. (505) 325-0328

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

Contract / Purchase Order / Quote _____



AAL FRACTION NUMBER	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation	
						Temp.	Chemical
CH	AP# 106	8/29	11:20	Sol	G/oss	500	ICE
D	AP# 106	8/29	11:20				
CH	AP# 116	8/29	3:20				
B	AP# 116	8/29	3:20				
BA	AP# 127	8/30	2:45				
D	AP# 127	8/30	2:45				
CH	AP# 29	9/1	1:30				
B	AP# 29	9/1	1:30				
CH	AP# 24	9/1	3:30				
D	AP# 24	9/1	3:30				
CH	AP# 111	9/5	3:00				
D	AP# 111	9/5	3:00				

Relinquished by: Signature <u>[Signature]</u> Printed <u>Severin Anderson</u> Company <u>Indian Fire & Safety Testing</u> Reason <u>Testing</u>	Received by: Signature <u>[Signature]</u> Printed <u>Enrique Chavez</u> Company <u>AAL</u> Reason <u>Pickup / Testing</u>	Relinquished by: Signature <u>[Signature]</u> Printed <u>SCOTT PIATT</u> Company <u>AAL</u> Reason <u></u>	Received by: Signature <u>[Signature]</u> Printed <u>Scott Piatt</u> Company <u>AAL</u> Reason <u></u>
Date <u>9/8/95</u>	Date <u>9/8/95</u>	Date <u>08 Aug</u>	Date <u>08 Aug</u>
Time <u>3:25 PM</u>	Time <u>3:25 PM</u>	Time <u>17:30</u>	Time <u>17:30</u>

Method of Shipment: _____

Shipment No. _____

Special Instructions: _____

Comments: _____

After analysis, samples are to be:

☐ Disposed of (additional fee)

☐ Stored (30 days max)

☐ Stored over 30 days (additional fee)

☐ Returned to customer

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

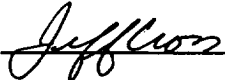
ON-SITE SOIL REMEDIATION REPORT

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 # 106 116 CELL # 1</u>			
Location: Unit or Qtr/Qtr Sec <u>C</u> Sec <u>12</u> T <u>24N</u> R <u>4W</u> County <u>RIO ARRIBA</u>			
Land Type <u>JIC. TRIBAL</u>			
Date Remediation Started: <u>8/28/95</u>		Date Completed: <u>8-14-97</u>	
Remediation Method: Landfarmed <u>XXX</u>		Approx. cubic yards <u>55</u>	
Composted <u> </u>			
Other <u> </u>			
Depth to Groundwater: (pts) <u>0</u>		Final Closure Sampling Sampling Date: <u>8/14/97</u> Time: <u>3:10pm</u> Sample Results: Field Headspace (ppm) <u>0.5</u> TPH (ppm) <u>2400</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>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 <u> </u> (REASON) <u> </u>			
SIGNED: <u>Kurt M...</u>		DATE: <u>9-2-97</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

ON-SITE SOIL REMEDIATION REPORT

Operator:	APACHE CORPORATION		Telephone	505-325-0318	
Address:	304 N. BEHREND, FARMINGTON, N.M. 87401				
Facility or Well Name:	APACHE # 106 116 ^{fe.} CELL # 2				
Location:	Unit or Qtr/Qtr	Sec	C	Sec 12	T 24N R 4W County RIO ARRIBA
Land Type	JIC. TRIBAL				
Date Remediation Started:	8/28/95		Date Completed:	8-14-97	
Remediation Method:	Landfarmed	XXX	Approx. cubic yards	45	
	Composted				
	Other				
Depth to Groundwater:	(pts)	0	Final Closure Sampling Sampling Date: 8/14/97 Time: 3:20pm Sample Results: Field Headspace (ppm) 0.1 TPH (ppm) 1800 Method M8015 Other BTEX \ SW846, 8020A (ND)		
Distance to an Ephemeral Stream:	(pts)	0			
Distance to Nearest Lake, Playa, or Watering Pond:	(pts)	0			
Wellhead Protection Area:	(pts)	0			
Distance To Surface Water:	(pts)	0			
RANKING SCORE (TOTAL POINTS)		0			
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF					
DATE:	8-22-97		PRINTED NAME	JEFF CROSS	
SIGNATURE			TITLE	PROJECT MANAGER	
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION. ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.					
APPROVED:	YES	X	NO	(REASON)	
SIGNED:			DATE:	9-2-97	

APACHE CORPORATION/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE APACHE # 116

* AMOUNT OF SOIL UNDERGOING REMEDIATION 100 Yds.

CELL No. <u>1</u>	SampDATE <u>8/14/97</u>	TPH <u>2400</u>	BTEX <u>ND</u>
DIMENSIONS(LxWxH) <u>55' L X 28' W X 12" H</u>			
CELL LOCATION (dir. from well head) <u>NORTH</u>			
* DATE BEGAN: <u>8/28/95</u>			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm) <u>8-14-97</u>			
CELL No. <u>2</u>	SampDATE <u>8/14/97</u>	TPH <u>1800</u>	BTEX <u>ND</u>
DIMENSIONS(LxWxH) <u>60' L X 20' W X 12" H</u>			
CELL LOCATION (dir. from well head) <u>SOUTH</u>			
* DATE BEGAN: <u>8/28/95</u>			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm) <u>8-14-97</u>			
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)			
7/16/97 TREAT CELLS WITH 46-0-0 FERTILIZER, WATER.			
8/12/97 WATER AND TILL CELLS.			

From excavation reports.

WELL NAME:

Apache #116 Cell #2

SAMPLE DATE:

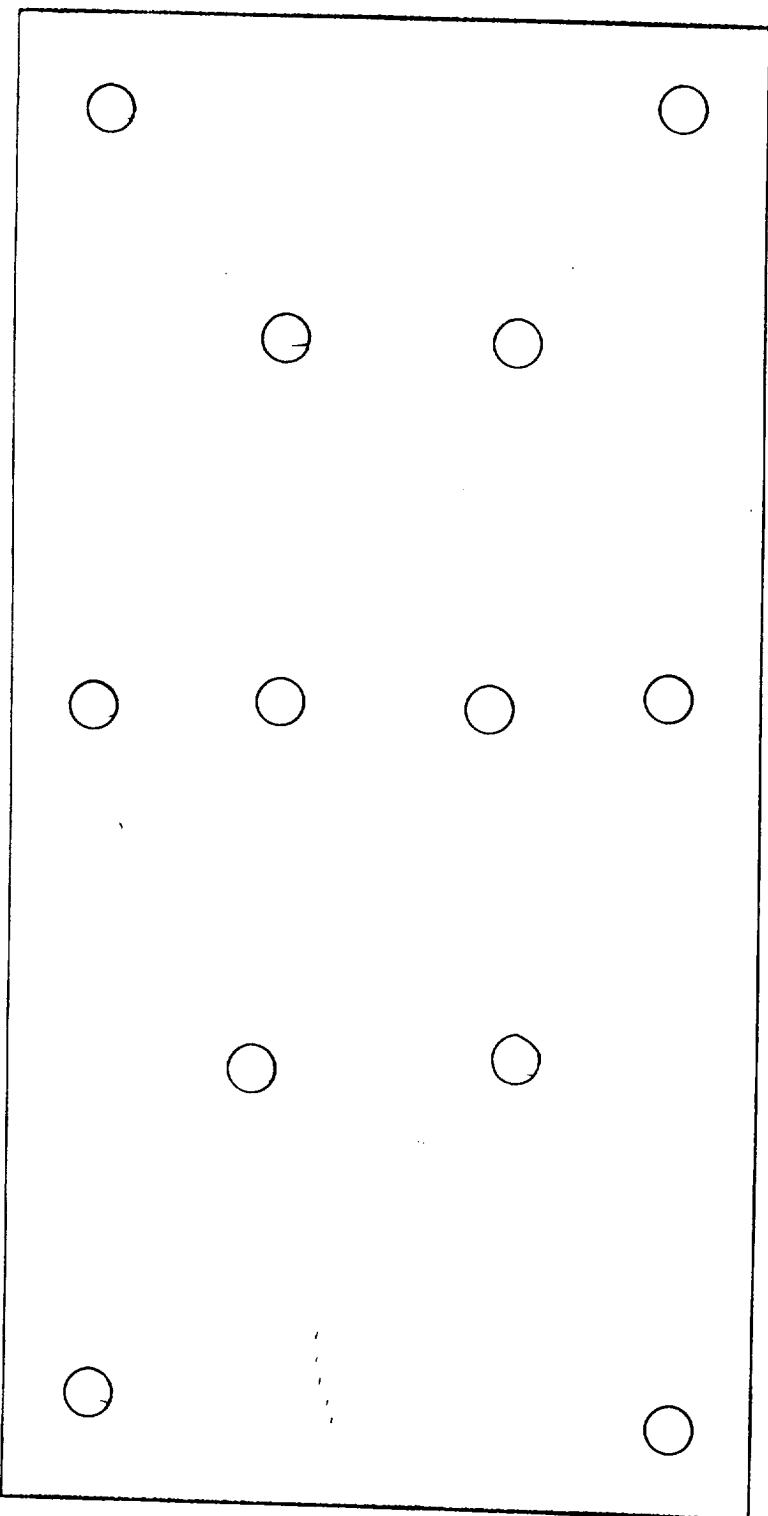
8-14-97

DIMENSIONS:

60' x 20' x 12" H



= SAMPLE AREA



NOTES:

ALL SAMPLES TAKEN 10" TO 12" INTO CELL

12 Point Composite Sample

PED Composite Reading 0.1 ppm

WELL NAME:

Apache #116 Cell #1

SAMPLE DATE:

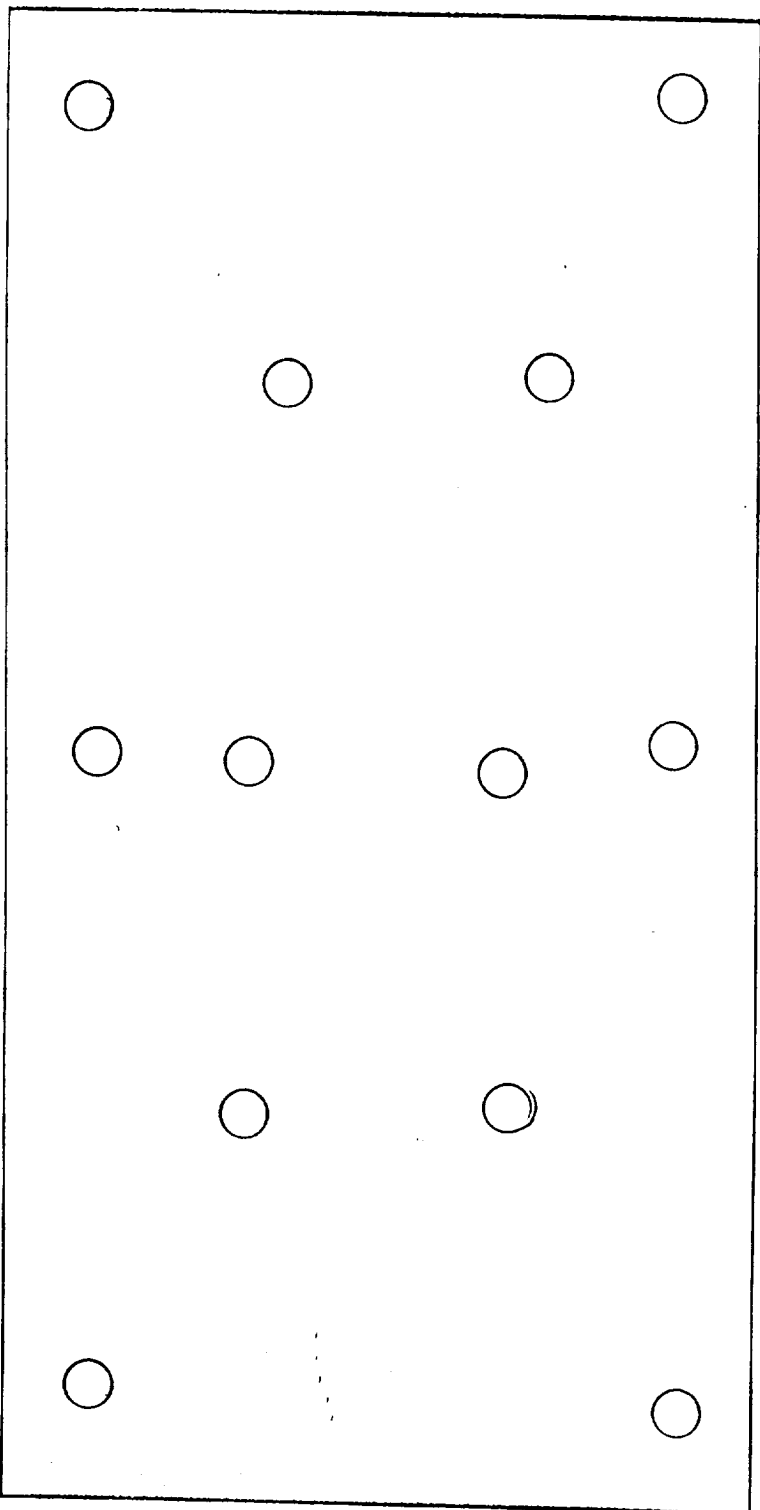
8-14-97

DIMENSIONS:

55' x 28' x 12' H.



= SAMPLE AREA

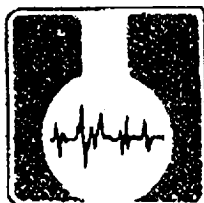


NOTES:

ALL SAMPLES TAKEN 10' TO 12' INTO CELL

12 point composite sample

PIO composite 0.5 ppm.



**ASSAIGAI
ANALYTICAL
LABORATORIES, INC.**

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:
August 22, 1997 14:58

**CERTIFICATE OF ANALYSIS
RESULTS BY SAMPLE**

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

WORKORDER # : 9708172
WORK ID : JICARILLA PIT CLOSURES
CLIENT CODE : APA01
DATE RECEIVED : 08/15/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9708172-01A
Sample ID: A116 CELL #1

Collected: 08/14/97 15:10:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/kg	0.0050	100	08/20/97	SBTXME185
Toluene	ND	mg/kg	0.0050	100	08/20/97	SBTXME185
Ethylbenzene	ND	mg/kg	0.0050	100	08/20/97	SBTXME185
P-&m-Xylene	ND	mg/kg	0.010	100	08/20/97	SBTXME185
O-Xylene	ND	mg/kg	0.0050	100	08/20/97	SBTXME185

Lab ID: 9708172-01B
Sample ID: A116 CELL #1

Collected: 08/14/97 15:10:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015						
Diesel Range OG in Soil	2400	mg/Kg	25	25	08/20/97	SDRO047

Lab ID: 9708172-02A
Sample ID: A116 CELL #2

Collected: 08/14/97 15:20:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/kg	0.0050	100	08/20/97	SBTXME185
Toluene	ND	mg/kg	0.0050	100	08/20/97	SBTXME185
Ethylbenzene	ND	mg/kg	0.0050	100	08/20/97	SBTXME185
P-&m-Xylene	ND	mg/kg	0.010	100	08/20/97	SBTXME185
O-Xylene	ND	mg/kg	0.0050	100	08/20/97	SBTXME185



Lab ID: 9708172-02B
Sample ID: A116 CELL #2

Collected: 08/14/97 15:20:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	1800	mg/Kg	25	25	08/19/97	SDRO47

William P. Biava

William P. Biava
President

Chain of Custody Record

65

ALBUQUERQUE, NEW MEXICO 87109
(505) 345-8964

1-800-345-8964

3122 WEDGEWOOD

000117007 IN THE
SCHOOL SYSTEM 13

1910 N. BIG SPRING

MIDLAND, TEXAS 79705

911-025 (516)

Project Manager / Contact Jeff. C. ...

Telephone No. (505) 774-6643

Fax No. (505) 774-6624

Samplers: (Signature)

Contract / Purchase Order / Quote

Requested by: Signature <u>John Mulvihill</u> Printed <u>John Mulvihill</u> Company <u>Apache Corp.</u> Reason _____	Date <u>8/15/97</u>	Received by: Signature <u>John Mulvihill</u> Printed <u>John Mulvihill</u> Company <u>Apache Corp.</u> Reason _____	Requested by: Signature _____ Printed _____ Company _____ Reason _____
--	------------------------	---	--

showings to prove that

Chionomys

• **Województwo świętokrzyskie**

Received by	Requested by
Signature <i>[Signature]</i>	Signature
Printed <i>Chas. J. [illegible]</i>	Printed
Company <i>AT&T</i>	Company
Reason	Reason

Date 8-18-8
Page 8 Apr

Received by: Carole Rubin
Signature _____
Printed _____
Company AAL
Business _____

After analysis, samples are to be:

☐ Disposed of (additional fee)

☐ Please enter the points

☐ Stored over 30 days (additional fees)

Returned to customer

ADDITIVE 351

WORKORDER COMMENTS

DATE : 08/22/97

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
