

Deputy Oil & Gas Inspector
District #1
DEPUTY OIL & GAS INSPECTOR
Energy, Minerals and Natural Resources Department
Aztec, NM 87410

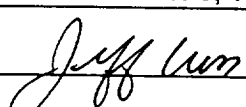
APR 10 1998

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

Approved
PIT REMEDIATION AND CLOSURE REPORT

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 # 152</u>	<u>Pit #2</u>
Location: Unit or Qtr/Qtr Sec		<u>E</u> <u>Sec 12</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>			
<i>Big Pit Dimensions:</i>			
Pit Location: <u>END</u>	Pit Dimensions:	<u>L 15'</u> <u>W 15'</u> <u>D 3'</u>	
(Attach diagram)	Reference:	Wellhead <u>X</u>	Other: _____
	Footage from reference:	<u>80'</u>	
	Direction from reference:	<u>60</u> Degrees <u>XX</u> East	North <u>X</u>
			of West South _____
Depth To Groundwater:			
(vertical distance from		Less than 50 feet	(20 points) _____
contaminants to seasonal		50 feet to 99 feet	(10 points) _____
high water elevation of		Greater than 100 feet	(0 points) <u>0</u>
groundwater)			
Wellhead Protection Area:			
(Less than 200 feet from a private		Yes	(20 points) _____
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 200 feet	(20 points) _____
lakes, ponds, rivers, streams, creeks,		200 feet to 1000 feet	(10 points) _____
irrigation canals and ditches)		Greater than 1000 feet	(0 points) <u>0</u>
		RANKING SCORE (TOTAL POINTS) <u>0</u>	

Date Remediation Started:		<u>8/19/95</u>		Date Completed:		<u>7/31/97</u>	
Remediation Method: (Check all appropriate sections)		Excavatio <u>XXX</u>		Approx. cubic yards		<u>52</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.</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>9/15/97</u>		Sample Time		<u>2:10 P.M.</u>	
Sample results							
Benzene		(ppm)		<u>ND</u>			
Total BTEX		(ppm)		<u>ND</u>			
Field Headspace		(ppm)		<u>1.4</u>			
TPH				<u>6.3</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>	

**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 # 152</u>		PIT # <u>2</u>	
Location:	Unit or Qtr/Qtr Sec <u>E SEC 12</u>	T <u>24N</u>	R <u>4W</u> County <u>RIO ARRIBA</u>
Pit Type:	Separator: <u>Dehydrator</u>	Other: <u>DRIP PIT</u>	
Land Type: <u>JIC. TRIBAL</u>			
Pit Location: (Attach diagram)			
Pit Dimensions:	Length <u>15'</u>	Width <u>15'</u>	Depth <u>7'</u>
Reference:	Wellhead <u>XXX</u>	Other	
Footage from reference:	<u>80'</u>		
Direction from reference:	<u>60</u> Degrees	<u>XX</u> East	North <u>X</u>
		<u>West</u>	South
Depth To Groundwater:			
(vertical distance from	Less than 50 feet	(20 points)	
contaminants to seasonal	50 feet to 99 feet	(10 points)	
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)	
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)	
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)	
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)	
lakes, ponds, rivers, streams, creeks,	100 feet to 1000 feet	(10 points)	
irrigation canals and ditches)	Greater than 1000 feet	(0 points)	<u>0</u>
RANKING SCORE (TOTAL POINTS)			<u>0</u>

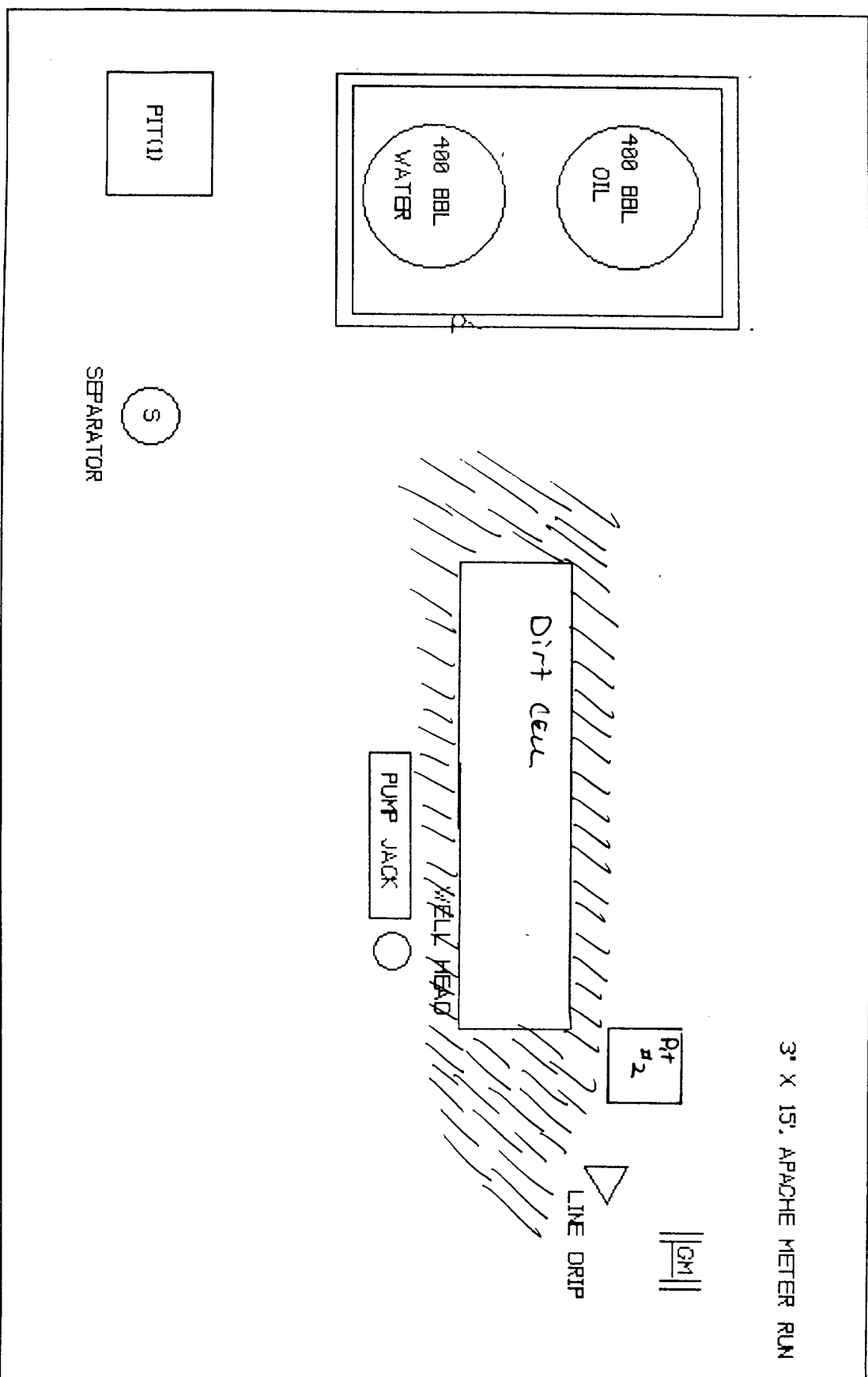
Date Remediation Started:		<u>8/19/95</u>		Date Completed:		<u>7/31/97</u>	
Remediation Method: (Check all appropriate sections)		Excavation <u>XXX</u>		Approx. cubic yards		<u>52</u>	
		Landfarmed <u>XX</u>		Insitu Bioremediation			
		Other _____					
Remediation Location: (i.e. landfarmed onsite, name 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>2:10 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>1.4</u>		Ethylbenzene	(ppb)	<u>NA</u>
	TPH	(ppm)	<u>6.3</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>Kate C. Mamm</u>		DATE: <u>9-2-97</u>					

1111 = Spread Area

NORTH

GENERAL DRAINAGE

APACHE
APACHE NUMBER 152 Lease # JAT 126
SW/4 NW/4 (E)
SECTION 12 TOWNSHIP 24N. RANGE 4W
R10 ARJUBA COUNTY, NM
Revised 8/1/97 MG



APACHE CORPORATION FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

LOCATION: APACHE 152
PIT COUNT: 2

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	18'	18'	6'	PIT 1	24'	24'	10'	210.0	
PIT 2	15'	15'	3'	PIT 2	15'	15'	7'	52.0	
PIT 3				PIT 3					
DATE: 08/21/95		PIT 1@ 08'	PIT 2@ 04'	PIT 3@	DATE: 09/15/95		PIT 1@ 10'	PIT 2@ 07'	PIT 3@
P. I. D.	CENTER	241.0	1515.0		P. I. D.	CENTER	1.2	1.6	
	NW CORNER	375.0	169.0			NW CORNER	1.3	1.6	
	NE CORNER	265.0	1710.0			NE CORNER	1.5	1.3	
	SW CORNER	135.0	31.0			SW CORNER	1.4	1.2	
	SE CORNER	105.0	25.0			SE CORNER	1.5	1.3	

NOTES:

08/21/95 PIT 1 - Excavate to 10', staining w/slight odor to 8'.
PIT 2 - Excavate to 7', strong odor to 4.5', no staining.

*High BTEX levels from 08/21 sampling PIT 1 @ 8'.

SOIL SAMPLING

DATE: 08/21/95		PIT 1@ 08'	PIT 2@ 04'	PIT 3@	ANALYSIS RESULTS		PER LAB: ASSAIGAI	
P. I. D.	CENTER	241.0	1515.0		PIT NO.	TPH	BTEX	WITNESS DATE
	NW CORNER	375.0	169.0					
	NE CORNER	265.0	1710.0		1	2500.0	108.0	IF&S 08/21/95
	SW CORNER	135.0	31.0		2	1900.0	37.6	IF&S 08/21/95
	SE CORNER	105.0	25.0					

RE-SAMPLE OR CELL(S) SAMPLE

DATE: 09/15/95		PIT 1@ 10'	PIT 2@ 07'	PIT 3@	ANALYSIS RESULTS		PER LAB: ASSAIGAI	
P. I. D.	CENTER	1.2	1.6		PIT NO.	TPH	BTEX	WITNESS DATE
	NW CORNER	1.3	1.6					
	NE CORNER	1.5	1.3		1	270.0	ND	JDT 09/15/95
	SW CORNER	1.4	1.2		2	6.3	ND	JDT 09/15/95
	SE CORNER	1.5	1.3					

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							

**PIT CLOSURE STATUS REPORT
(CONFIDENTIAL)**

Date: 8/21/95

Well Number: APACHE #152

Date Start: 8/19/95

Proj. Number: 95017

Wale Start: 8/19/95

DIMENSIONS & YARDAGE

DIMENSIONS & YARDAGE									
1	Type:	H	X	C		Dimensions Pit 1 Start:	18' x 18' x 6'	Dimensions Pit 1 Finished:	24' x 24' x 10'
2	Type:	H		C	X	Dimensions Pit 2 Start:	15' x 15' x 3'	Dimensions Pit 2 Finished:	15' x 15' x 7'
3	Type:	H		C		Dimensions Pit 3 Start:		Dimensions Pit 3 Finished:	
Total Cu. Yards Removed:							262 Cubic Yards	Total Liquids Removed:	0

TPH & BTEX ANALYSIS

[illegible]

Notes:

PID READINGS						Pit Number: 152	Notes:
Date	Pit No.	Interval (Depth)	Location	Reading (ppm)			
8/21/95	1	10'	Center	241		Starting Depth: 6' dug down 4' (10' total). Took sample @ 8' (5-part composite). Composite PID sample @ 8' 264 PPM. Took PID reading @ 10'.	
8/21/95	1	10'	N.W. Corner	375			
8/21/95	1	10'	N.E. Corner	265			
8/21/95	1	10'	S.E. Corner	135			
8/21/95	1	10'	S.W. Corner	105			
8/21/95	2	4'	Center	1515		Starting Depth: 3'. Dug down to first 4' interval. Took 5 part composite sample at 7' total depth. Composite sample PID was 48.7	
8/21/95	2	4'	N.W. Corner	169			
8/21/95	2	4'	N.E. Corner	1710			
8/21/95	2	4'	S.E. Corner	31			
8/21/95	2	4'	S.W. Corner	25			
8/21/95	2	7'	Center	6.5			
8/21/95	2	7'	N.W. Corner	44.7			
8/21/95	2	7'	N.E. Corner	77			
8/21/95	2	7'	S.E. Corner	53			
8/21/95	2	7'	S.W. Corner	38			

PID READINGS					Pit Number: 152	Notes:
Date	Pit No.	Interval (Depth)	Location	Reading (ppm)		
8/24/95	1	10'	Center	54.8	Recheck PID readings after 3 days aeration. Samples where taken using extraction tube.	
8/24/95	1	10'	N.W. Corner	36.7		
8/24/95	1	10'	N.E. Corner	226		
8/24/95	1	10'	S.E. Corner	25		
8/24/95	1	10'	S.W. Corner	55.6		
8/24/95	2	7'	Center	0		
8/24/95	2	7'	N.W. Corner	0		
8/24/95	2	7'	N.E. Corner	0		
8/24/95	2	7'	S.E. Corner	3.8		
8/24/95	2	7'	S.W. Corner	1.7		
09/15/95	1	10'	Center	1.2	PID Readings of samples sent to the lab.	
09/15/95	1	10'	N.W. Corner	1.3		
09/15/95	1	10'	N.E. Corner	1.5		
09/15/95	1	10'	S.E. Corner	1.4		
09/15/95	1	10'	S.W. Corner	1.5		
09/15/95	2	7'	Center	1.6		
09/15/95	2	7'	N.W. Corner	1.6		
09/15/95	2	7'	N.E. Corner	1.3		
09/15/95	2	7'	S.E. Corner	1.2		
09/15/95	2	7'	S.W. Corner	1.3		

Lab ID: 9509143-09A
Sample ID: AP# 108

Collected: 09/15/95 13:30:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A O-Xylene	0.28	mg/Kg	0.0010	100	09/21/95	SBTXME076

Lab ID: 9509143-09B
Sample ID: AP# 108

Collected: 09/15/95 13:30:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel	480	mg/Kg	5.0	20	09/22/95	SLFTD44
HCs DSL XT/CAL DHS 8015M	09/19/95	N/A				

Lab ID: 9509143-10A
Sample ID: AP# 152H *Pit #1*

Collected: 09/15/95 13:55:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
X/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME076
Toluene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME076
Ethylbenzene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME076
P-&m-Xylene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME076
O-Xylene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME076

Lab ID: 9509143-10B
Sample ID: AP# 152H *Pit #1*

Collected: 09/15/95 13:55:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel	270	mg/Kg	5.0	50	09/22/95	SLFTD44
HCs DSL XT/CAL DHS 8015M	09/19/95	N/A				

Lab ID: 9509143-11A
Sample ID: AP# 152C *Pit #2*

Collected: 09/15/95 14:10:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME076
Toluene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME076
Ethylbenzene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME076
P-&m-Xylene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME076
O-Xylene	ND	mg/Kg	0.0010	5.0	09/21/95	SBTXME076

Lab ID: 9509143-11B

Sample ID: AP# 152C

Pit 2

Collected: 09/15/95 14:10:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel	6.3B	mg/Kg	5.0	1.0	09/25/95	SLFTD45
HCs DSL XT/CAL DHS 8015M	09/20/95	N/A				

Lab ID: 9509143-12A

Sample ID: AP# 113

Collected: 09/15/95 14:20:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5.0	09/22/95	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: 9509143-12B

Sample ID: AP# 113

Collected: 09/15/95 14:20:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel	ND	mg/Kg	5.0	10	10/01/95	SLFTD45
HCs DSL XT/CAL DHS 8015M	09/20/95	N/A				

Lab ID: 9509143-13A

Sample ID: AP# 106

Collected: 09/15/95 14:35:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	100	09/22/95	SBTXME076
Toluene	ND	mg/Kg	0.0010	100	09/22/95	SBTXME076
Ethylbenzene	0.20	mg/Kg	0.0010	100	09/22/95	SBTXME076
P-&m-Xylene	0.21	mg/Kg	0.0010	100	09/22/95	SBTXME076
O-Xylene	ND	mg/Kg	0.0010	100	09/22/95	SBTXME076

Lab ID: 9509143-13B

Sample ID: AP# 106

Collected: 09/15/95 14:35:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel	3100	mg/Kg	5.0	100	09/26/95	SLFTD45
HCs DSL XT/CAL DHS 8015M	09/20/95	N/A				



Chain of Custody Record

Lab job no.: 9113 Date: 9/15/15 Page 2 of 7

Client: Apache Corporation Project Manager / Contact: John Taylor

Address: 301 N. Behrend Telephone No. (505) 325-0318

City / State / Zip: Farmington, NM 87401 Fax No. (505) 325-0325

Project Name / Number: Pit 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



ALL FIELD SAMPLE NUMBER	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Temp.	Preservation	Chemical
67A	AP# 145 H	9/15	12:46	Soil	Glass	50°	Ice	
67B	AP# 145 B	9/15	12:46					
68A	AP# 145 C	9/15	1:05					
68B	AP# 145 C	9/15	1:05					
69A	AP# 108	9/15	1:30					
69B	AP# 108	9/15	1:30					
70A	AP# 152 H	9/15	1:55					
70B	AP# 152 H	9/15	1:55					
71A	AP# 152 C	9/15	2:10					
71B	AP# 152 C	9/15	2:10					
72A	AP# 113	9/15	2:20					
72B	AP# 113	9/15	2:20					

Relinquished by: Signature: <u>[Signature]</u> Printed: <u>ELIJA J. CHAVEZ</u> Company: <u>APC</u> Reason: _____	Received by: Signature: <u>[Signature]</u> Printed: <u>ELIJA J. CHAVEZ</u> Company: <u>APC</u> Reason: _____	Date: <u>9/15/15</u> Time: <u>2:20 PM</u>	Date: <u>9/15/15</u> Time: <u>2:20 PM</u>
--	--	--	--

Method of Shipment: _____	Comments: _____
Shipment No. _____	
Special Instructions: _____	

After analysis, samples are to be:

☐ Disposed of (additional fee)

☐ Stored (30 days max)

☐ Stored over 30 days (additional fee)

☐ Returned to customer

COURIER

Lab ID: 9508243-04B
Sample ID: PIT #151-D

Collected: 08/24/95 15:00:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Ethylbenzene	ND	mg/Kg	0.0010	10000	09/01/95	SBTXME072
P-&m-Xylene	76	mg/Kg	0.0020	10000	09/01/95	SBTXME072
O-Xylene	15	mg/Kg	0.0010	10000	09/01/95	SBTXME072

Lab ID: 9508243-05A
Sample ID: PIT #152-D

Collected: 08/21/95 11:30:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M						
Diesel	1900	mg/Kg	5.0	50	09/07/95	SLFTD-041
HCs DSL XT/CAL DHS 8015M	08/30/95	N/A				

Lab ID: 9508243-05B
Sample ID: PIT #152-D

Collected: 08/21/95 11:30:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5000	08/31/95	SBTXME072
Toluene	ND	mg/Kg	0.0010	5000	08/31/95	SBTXME072
Ethylbenzene	ND	mg/Kg	0.0010	5000	08/31/95	SBTXME072
P-&m-Xylene	30	mg/Kg	0.0020	5000	08/31/95	SBTXME072
O-Xylene	7.6	mg/Kg	0.0010	5000	08/31/95	SBTXME072

Lab ID: 9508243-06A
Sample ID: PIT #138

Collected: 08/21/95 15:30:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M						
Diesel	13000E	mg/Kg	5.0	100	09/07/95	SLFTD-041
HCs DSL XT/CAL DHS 8015M	08/30/95	N/A				

Lab ID: 9508243-06B
Sample ID: PIT #138-S

Collected: 08/21/95 15:30:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	10000	09/01/95	SBTXME072
Toluene	44	mg/Kg	0.0010	10000	09/01/95	SBTXME072
Ethylbenzene	14	mg/Kg	0.0010	10000	09/01/95	SBTXME072
P-&m-Xylene	120	mg/Kg	0.0020	10000	09/01/95	SBTXME072

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 # 152</u>			
Location:	Unit or Qtr/Qtr	Sec <u>E</u>	Sec 12 T 24N R 4W County <u>RIO ARRIBA</u>
Land Type <u>JIC. TRIBAL</u>			
Date Remediation Started: <u>8/19/95</u>		Date Completed: <u>7/31/97</u>	
Remediation Method:	Landfarmed	<u>XXX</u>	Approx. cubic yards <u>262</u>
	Composted	<u> </u>	
	Other	<u> </u>	
Depth to Groundwater: (pts) <u>0</u>		Final Closure Sampling Sampling Date: <u>7/31/97</u> Time: <u>10:00AM</u> Sample Results: Field Headspace (ppm) <u>0</u> TPH (ppm) <u>ND</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>Karen C. Mann</u>		DATE: <u>9-2-97</u>	

APACHE CORPORATION/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE APACHE # 152

* AMOUNT OF SOIL UNDERGOING REMEDIATION 203 Yds.

CELL No. <u>#1</u>	SampDATE 7/31/97	TPH ND	BTEX ND
DIMENSIONS(LxWxH) <u>110' L X 42' W X 18" H</u>			
CELL LOCATION (dir. from well head) <u>NORTH</u>			
* DATE BEGAN: <u>8/19/95</u>			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm) <u>7/31/97</u>			
CELL No. _____	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. _____	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) _____			
REMEDIATION RECORD: (Date, Treatment, Tilling)			
5/25/97 TREAT WITH 46-0-0 FERTILIZER, WATER AND TILL CELL.			
6/30/97 TILL CELL.			
7/17/97 TILL CELL.			
7/18/97 WATER AND TILL CELL.			

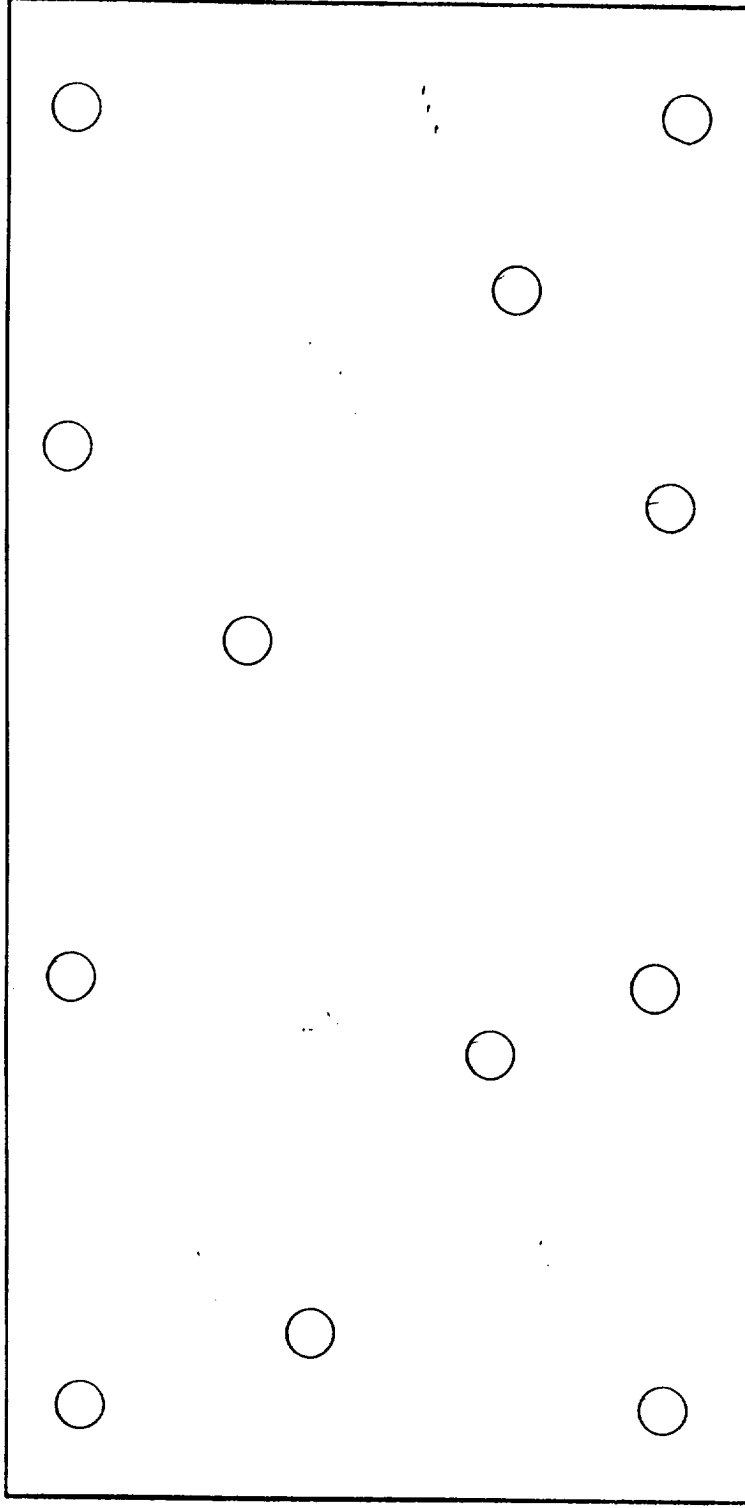
From excavation reports.

WELL NAME: Apache #152

SAMPLE DATE: 7-31-97

DIMENSIONS: 110' L x 42' W x 18" H

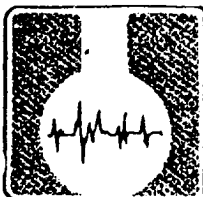
○ = SAMPLE AREA



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

12 point composite sample

P10 composite Reading 0.0 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 8, 1997 13:16

**CERTIFICATE OF ANALYSIS
RESULTS BY SAMPLE**

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

WORKORDER # : 9708019
WORK ID : JICARILLA PIT CLOSURES
CLIENT CODE : APA01
DATE RECEIVED : 08/01/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9708019-01A
Sample ID: A152 CELL

Collected: 07/31/97 10:00:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/kg	0.0050	100	08/07/97	SBTXME182
Toluene	ND	mg/kg	0.0050	100	08/07/97	SBTXME182
Ethylbenzene	ND	mg/kg	0.0050	100	08/07/97	SBTXME182
P-&m-Xylene	ND	mg/kg	0.010	100	08/07/97	SBTXME182
O-Xylene	ND	mg/kg	0.0050	100	08/07/97	SBTXME182

Lab ID: 9708019-01B
Sample ID: A152 CELL

Collected: 07/31/97 10:00:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015						
Diesel Range OG in Soil	ND	mg/Kg	25	25	08/05/97	SDRO45

William P. Biava

William P. Biava
President



WORKORDER COMMENTS

DATE : 08/08/97
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
