

District III

1000 Rio Brazos Rd

Aztec, NM 87410

DEPUTY OIL & GAS INSPECTOR

FEB 4 2005

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. PACHECO

Santa Fe, New Mexico 87505

Submit 1 copy to

Appropriate District

and 1 copy to

Santa Fe Office

PIT REMEDIATION AND CLOSURE REPORTOperator: Apache Corporation Telephone: 505-325-0318Address: 2855 Southside River Road, Suite A, Farmington, NM 87401Facility or Well Name: APACHE 153 Pit #1Location: Unit or Qtr/Qtr Sec NW/NE Sec 1 T 24 N R 4W County Rio ArribaPit Type: Separator: _____ Dehydrator _____ Other Separator/Tank DrainLand Type: Jicarilla TribalBeginning Pit Dimensions: Length 18' Width 18' Depth 4'Pit Location: Ending Pit Dimensions: Length 20' Width 20' Depth 8'

(Attach diagram)

Reference: Wellhead XXX Other _____Footage from reference: 125'Direction from reference: 335 Degrees _____ East _____ North XX
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)			

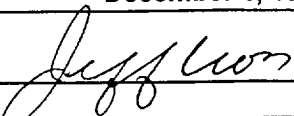
Wellhead Protection Area:

(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) 0

Date Remediation Started:		<u>11/14/95</u>		Date Completed:		<u>11/30/95</u>	
Remediation Method:		Excavation <u>XXX</u>		Approx. cubic yards		<u>119</u>	
(Check all appropriate sections)		Landfarmed <u>XX</u>		Insitu Bioremediation			
		Other _____					
Remediation Location:		Onsite <u>XX</u>		Offsite _____			
(i.e. landfarmed onsite, name and location of offsite facility)							
General Description of Remedial Action:		<u>Excavate pit to 8', took PID readings. Backfill pit with</u>					
		<u>clean soil. Remediated soil to be spread on location. Spread soil on location for remediation.</u>					
		<u>Took soil samples</u>					
Groundwater Encountered:		No <u>XX</u>		Yes _____		Depth _____	
Final Pit:		Sample location		<u>5 point composite sample taken from pit sidewalls and pit</u>			
Closure Sampling:				<u>bottom center.</u>			
(in multiple samples, attach sample results and diagram of sample locations and depths)		Sample depth <u>8'</u>		<u>8 to 10" into pit sidewalls 10" into pit bottom</u>			
Sample Date		<u>11/30/95</u>		Sample Time		<u>2:40 PM</u>	
Sample results							
Benzene		(ppm)		<u>ND</u>			
Total BTEX		(ppm)		<u>ND</u>			
Field Headspace		(ppm)		<u>9.54</u>			
TPH				<u>ND</u>			
Groundwater Sample:		Yes _____		No <u>XX</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>December 1, 1998</u>		PRINTED NAME		<u>Jeff Cross</u>	
SIGNATURE				AND TITLE		<u>Project Manager</u>	

District III
1000 Rio Brazos Rd
Aztec, NM 87410

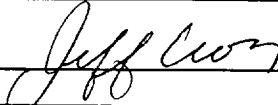
State of New Mexico
Energy, Minerals and Natural Resources Department

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

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

PIT REMEDIATION AND CLOSURE REPORT

Operator: Apache Corporation		Telephone: 505-325-0318	
Address: 2855 Southside River Road, Suite A, Farmington, NM 87401			
Facility or Well Name:		APACHE 153 Pit #2	
Location: Unit or Qtr/Qtr Sec	NW/NE Sec 1	T 24 N	R 4W County Rio Arriba
Pit Type: Separator:	Dehydrator	Other	Drip Pit
Land Type: Jicarilla Tribal			
Beginning Pit Dimensions: Length 12' Width 12' Depth 2'			
Pit Location: (Attach diagram)	Ending Pit Dimensions: Length 12' Width 12' Depth 6'		
Reference:	Wellhead XXX Other		
Footage from reference:		85'	
Direction from reference:		124 Degrees XX East	North
			of
			West South X
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) 0
groundwater)			
Wellhead Protection Area:		Yes	(20 points)
(Less than 200 feet from a private		No	(0 points) 0
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) 0
irrigation canals and ditches)			
		RANKING SCORE (TOTAL POINTS)	
		0	

Date Remediation Started:		<u>11/14/95</u>		Date Completed:		<u>11/30/95</u>	
Remediation Method: (Check all appropriate sections)		Excavation	<u>XXX</u>	Approx. cubic yards	<u>32</u>		
		Landfarmed	<u>XX</u>	In situ 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 6', took PID readings. Backfill pit with clean soil. Remediated soil to be spread on location. Spread soil on location for remediation.</u>					
		<u>Took soil samples</u>					
Groundwater Encountered:		No	<u>XX</u>	Yes			Depth <u> </u>
Final Pit:	Sample location	<u>5 point composite sample 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>6'</u>	<u>8 to 10" into pit sidewalls 10" into pit bottom</u>				
	Sample Date	<u>11/30/95</u>		Sample Time	<u>2:55 PM</u>		
	Sample results						
	Benzene	(ppm)	<u>ND</u>				
	Total BTEX	(ppm)	<u>ND</u>				
	Field Headspace	(ppm)	<u>35.42</u>				
	TPH		<u>490</u>				
Groundwater Sample:		Yes			No	<u>XX</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>December 1, 1998</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>2855 Southside River Road, Suite A, Farmington, NM 87401</u>			
Facility or Well Name: <u>APACHE # 153 PIT # 1</u>			
Location:	Unit or Qtr/Qtr Sec	<u>NW/NE SEC 1</u>	T <u>24 N</u> R <u>4 W</u> County <u>Rio Arriba</u>
Pit Type:	Separator: <u> </u>	Dehydrator <u> </u>	Other <u>SEPARATOR/TANK DRAIN</u>
Land Type: <u>Jicarilla Tribal</u>			
Pit Location: (Attach diagram)	Pit Dimensions:	Length <u>20'</u>	Width <u>20'</u> Depth <u>8'</u>
	Reference:	Wellhead <u>XX</u>	Other <u> </u>
	Footage from reference:	<u>125'</u>	
	Direction from reference:	<u>335</u> Degrees	<u> </u> East North <u>XX</u> X 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>11/14/95</u>		Date Completed:		<u>11/30/95</u>	
Remediation Method: (Check all appropriate sections)		Excavation <u>XXX</u>		Approx. cubic yards		<u>119</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 8', TOOK PID READINGS.</u> <u>BACK FILL PIT WITH CLEAN SOIL. REMEDIATED SOIL TO BE SPREAD ON LOCATION.</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'</u>					
		Sample Date <u>11/30/95</u>		Sample Time <u>2:40PM</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>9.54</u>		Ethylbenzene	(ppb)	<u>NA</u>
	TPH	(ppm)	<u>ND</u>		Total Xylenes	(ppb)	<u>NA</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>10/1/98</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 Marshall</u>		DATE: <u>11-13-98</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>2855 Southside River Road, Suite A, Farmington, NM 87401</u>			
Facility or Well Name: <u>APACHE # 153 PIT # 2</u>			
Location:	Unit or Qtr/Qtr Sec	<u>NWNE SEC 1</u>	T <u>24 N</u> R <u>4 W</u> County <u>Rio Arriba</u>
Pit Type:	Separator: _____	Dehydrator _____	Other <u>DRIP PIT</u>
Land Type: <u>Jicarilla Tribal</u>			

Pit Location: (Attach diagram)	Pit Dimensions:	Length <u>12'</u>	Width <u>12'</u>	Depth <u>6'</u>
	Reference:	Wellhead <u>XX</u>	Other _____	
	Footage from reference:	<u>85'</u>		
	Direction from reference:	<u>124</u> Degrees	<u>XX</u> East	North _____ West _____ of 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>11/14/95</u>		Date Completed:		<u>11/30/95</u>	
Remediation Method: (Check all appropriate sections)		Excavation	<u>XXX</u>	Approx. cubic yards	<u>32</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 6', TOOK PID READINGS.</u> <u>BACK FILL PIT WITH CLEAN SOIL. REMEDIATED SOIL TO BE SPREAD ON LOCATION.</u> <u>SPREAD SOIL ON LOCATION FOR REMEDIATION. TOOK SOIL SAMPLES .</u>							
Groundwater Encountered:		No	<u>X</u>	Yes			Depth <u> </u>
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>6'</u>				
		Sample Date	<u>11/30/95</u>		Sample Time	<u>2:55PM</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>35.42</u>		Ethylbenzene	(ppb)	<u>NA</u>
	TPH	(ppm)	<u>490</u>		Total Xylenes	(ppb)	<u>NA</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>10/1/98</u>		PRINTED NAME		<u>JEFF CROSS</u>	
SIGNATURE		<u><i>Jeff Cross</i></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	<u> </u> (REASON) <u> </u>	
SIGNED:		<u><i>Ken C M...ll</i></u>			DATE: <u>11-13-98</u>		

APACHE CORPORATION FARMINGTON DISTRICT
PIT EXCAVATION AND CLOSURE REPORT

JICARILLA APACHE TRIBAL EPO
REVIEW AND APPROVAL

LOCATION: APACHE 153

PIT COUNT: 2

EPO REPRESENTATIVE _____

DATE OF REVIEW: _____

				EXCAVATION					
DIMENSIONS		START		FINISH					
	W	L	D		W	L	D	CU.YDS.	
PIT 1	18	18'	4'	PIT 1	20'	20'	8'	119	
PIT 2	12'	12'	2'	PIT 2	12'	12'	6'	32	
PIT 3				PIT 3					
DATE:11/14/95		PIT1@08'	PIT2@04'	PIT3@_ _ _ ' ,	DATE:11/30/95		PIT1@08'	PIT2@06'	PIT3@_ _ _ ' ,
P. I. D.	CENTER	12.4	587.0		P. I. D.	CENTER	7.2	32.0	
	NW CORNER	3.8	1112.0			NW CORNER	9.8	33.8	
	NE CORNER	0.0	755.0			NE CORNER	8.1	32.1	
	SW CORNER	22.5	556.0			SW CORNER	8.0	47.1	
	SE CORNER	13.8	744.0			SE CORNER	14.6	32.1	

NOTES:

11/17/95 - PIT 1 - Dark stained soil to 6' Slight staining @ 8' Hit sandstone shelf.

PIT 2 - Lt. staining w/strong odor to 4' No staining w/slight odor @6'.

SOIL SAMPLING

DATE:11/14/95		PIT1@08'	PIT2@04'	PIT3@_ '	ANALYSIS RESULTS		PER LAB:	ASSAIGAI	
P. I. D.	CENTER	12.4	587.0		PIT	TPH	BETEX	WITNESS	DATE
	NW CORNER	3.8	1112.0		NO.				
	NE CORNER	0.0	755.0		1	ND	ND	IF&S	11/17/95
	SW CORNER	22.5	556.0		2	420.0	33.8	IF&S	11/17/95
	SE CORNER	13.8	744.0		3				

RE-SAMPLE OR CELL(S) SAMPLE

DATE:11/30/95		PIT1@08'	PIT2@06'	PIT3@	ANALYSIS RESULTS			PER LAB:	ASSAIGAI
P. I. D.	CENTER	7.2	32.0	PIT	TPH	BETEX	WITNESS	DATE	
	NW CORNER	9.8	33.8	NO.					
	NE CORNER	8.1	32.1	1	ND	ND	JDT	11/30/95	
	SW CORNER	8.0	47.1	2	490.0	ND	JDT	11/30/95	
	SE CORNER	14.6	32.1	3					

RE-SAMPLE OR CELL(S) SAMPLE

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

[illegible]



SAMPLE DATE 11/30/95

[illegible]

Lab ID: 9512029-20B
Sample ID: AP #117

Collected: 11/30/95 14:35:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel	6100	mg/Kg	5.0	500	12/08/95	SLFTD054
HCs DSL XT/CAL DHS 8015M	12/06/95	N/A				

Lab ID: 9512029-21A
Sample ID: AP #153-C *p.t #2*

Collected: 11/30/95 14:55:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	500	12/06/95	SBTXME093
Toluene	ND	mg/Kg	0.0010	500	12/06/95	SBTXME093
Ethylbenzene	ND	mg/Kg	0.0010	500	12/06/95	SBTXME093
P-&m-Xylene	ND	mg/Kg	0.0010	500	12/06/95	SBTXME093
O-Xylene	ND	mg/Kg	0.0010	500	12/06/95	SBTXME093

Lab ID: 9512029-21B
Sample ID: AP #153-C *p.t #2*

Collected: 11/30/95 14:55:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel	490	mg/Kg	5.0	50	12/08/95	SLFTD054
HCs DSL XT/CAL DHS 8015M	12/06/95	N/A				

Lab ID: 9512029-22A
Sample ID: AP #153-H *p.t #1*

Collected: 11/30/95 14:40:00
Matrix: SOIL

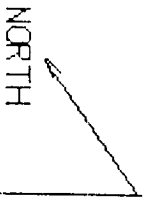
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	500	12/06/95	SBTXME093
Toluene	ND	mg/Kg	0.0010	500	12/06/95	SBTXME093
Ethylbenzene	ND	mg/Kg	0.0010	500	12/06/95	SBTXME093
P-&m-Xylene	ND	mg/Kg	0.0010	500	12/06/95	SBTXME093
O-Xylene	ND	mg/Kg	0.0010	500	12/06/95	SBTXME093

Lab ID: 9512029-22B
Sample ID: AP #153-H *p.t #1*

Collected: 11/30/95 14:40:00
Matrix: SOIL

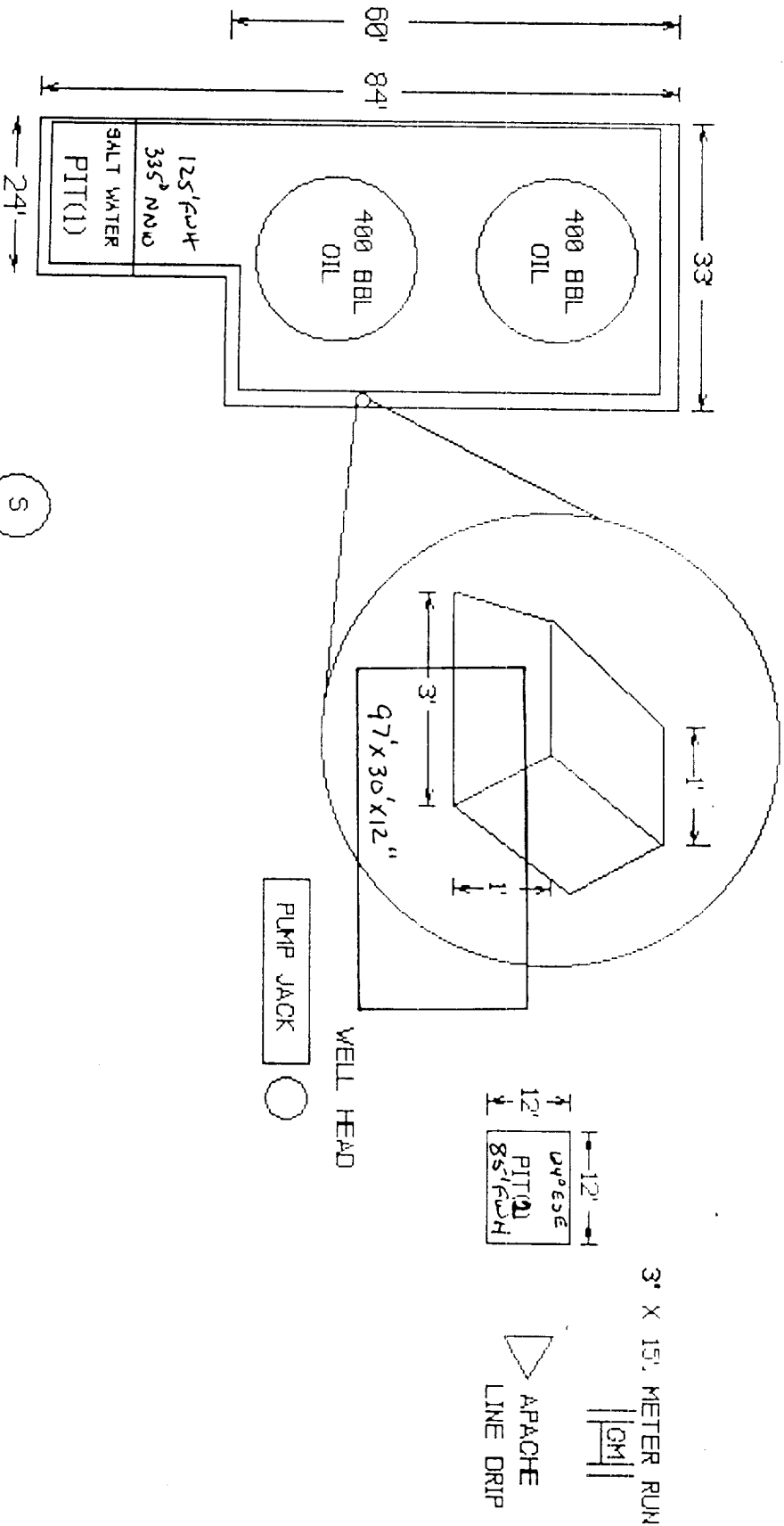
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel	ND	mg/Kg	5.0	500	12/08/95	SLFTD054
HCs DSL XT/CAL DHS 8015M	12/06/95	N/A				

COURIER



GENERAL DRAINAGE

TANK FIRE WALL IS 3' WIDE AT THE BASE, 1' WIDE AT THE TOP, AND 1' HIGH



DRAINAGE IS APPROXIMATELY .25 MILES W TO AN UNNAMED WASH 2 MILES TO LARGO WASH AND THEN 50 MILES TO THE SAN JUAN RIVER.

APACHE

APACHE NUMBER 153 Lease # JAT 126

NW/4 NE/4 Q

SECTION 1, TOWNSHIP 24N, RANGE 4W

RIO ARriba COUNTY, NM

Revised 6/1/97 MG

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>2855 SOUTHSIDE RIVER ROAD/SUITE A/ FARMINGTON N.M. 87401-7947</u>			
Facility or Well Name: <u>APACHE # 153</u>			
Location: Unit or Qtr/Qtr Sec <u>NWNE SEC 1</u> T <u>24 N</u> R <u>4 W</u> County <u>RIO ARRIBA</u>			
Land Type <u>JIC. TRIBAL</u>			
Date Remediation Started: <u>11/14/95</u>		Date Completed: <u>8/17/98</u>	
Remediation Method: Landfarmed <u>XXX</u>		Approx. cubic yards <u>151</u>	
Composted _____			
Other <u>REMEDIATED SOIL TO BE SPREAD ON LOCATION.</u>			
Depth to Groundwater: (pts) <u>0</u>		Final Closure Sampling Sampling Date: <u>8/17/98</u> Time: <u>10:20AM</u> Sample Results: Field Headspace (ppm) <u>0</u> TPH (ppm) <u>1400</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>10/1/98</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>Kevin M. Marshall</u>		DATE: <u>11-13-98</u>	

APACHE COPORATION/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE APACHE # 153

* AMOUNT OF SOIL UNDERGOING REMEDIATION 151 Yds.

CELL No. <u>1</u>	SampDATE 8/17/98	TPH 1400	BTEX ND
DIMENSIONS(LxWxH) <u>97' X 30' X 12"</u>			
CELL LOCATION (dir. from well head) <u>EAST</u>			
* DATE BEGAN: <u>11/17/95</u>			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm) <u>8/17/98</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) _____			
REMEDATION RECORD: (Date, Treatment, Tilling)			
11/23/95 TREAT SOIL WITH 28-4-4 FERTILIZER. 7/24/97 PLOW AND TILL SOIL.			
4/10/97 TREAT SOIL WITH 46-0-0 FERTILIZER. 8/6/97 PLOW AND TILL SOIL.			
WATER,PLOW AND TILL SOIL. 8/21/97 TREAT SOIL WITH 10 LBS PHOSPOHRUS,28LBS			
5/1/97 PLOW AND TILL SOIL. LIME,WATER,PLOW AND TILL SOIL			
5/21/97 PLOW AND TILL SOIL. 5/6/98 WATER,PLOW AND TILL SOIL. 5/21/98 PLOW ,TILL.			
6/5/97 WATER,PLOW AND TILL SOIL. 6/11/98 WATER,PLOW AND TILL SOIL. 6/29/98 PLOW ,TIL			
6/21/97 PLOW AND TILL SOIL. 7/15/98 PLOW AND TILL SOIL.			
7/2/97 PLOW AND TILL SOIL. 8/14/98 PLOW AND TILL SOIL.			

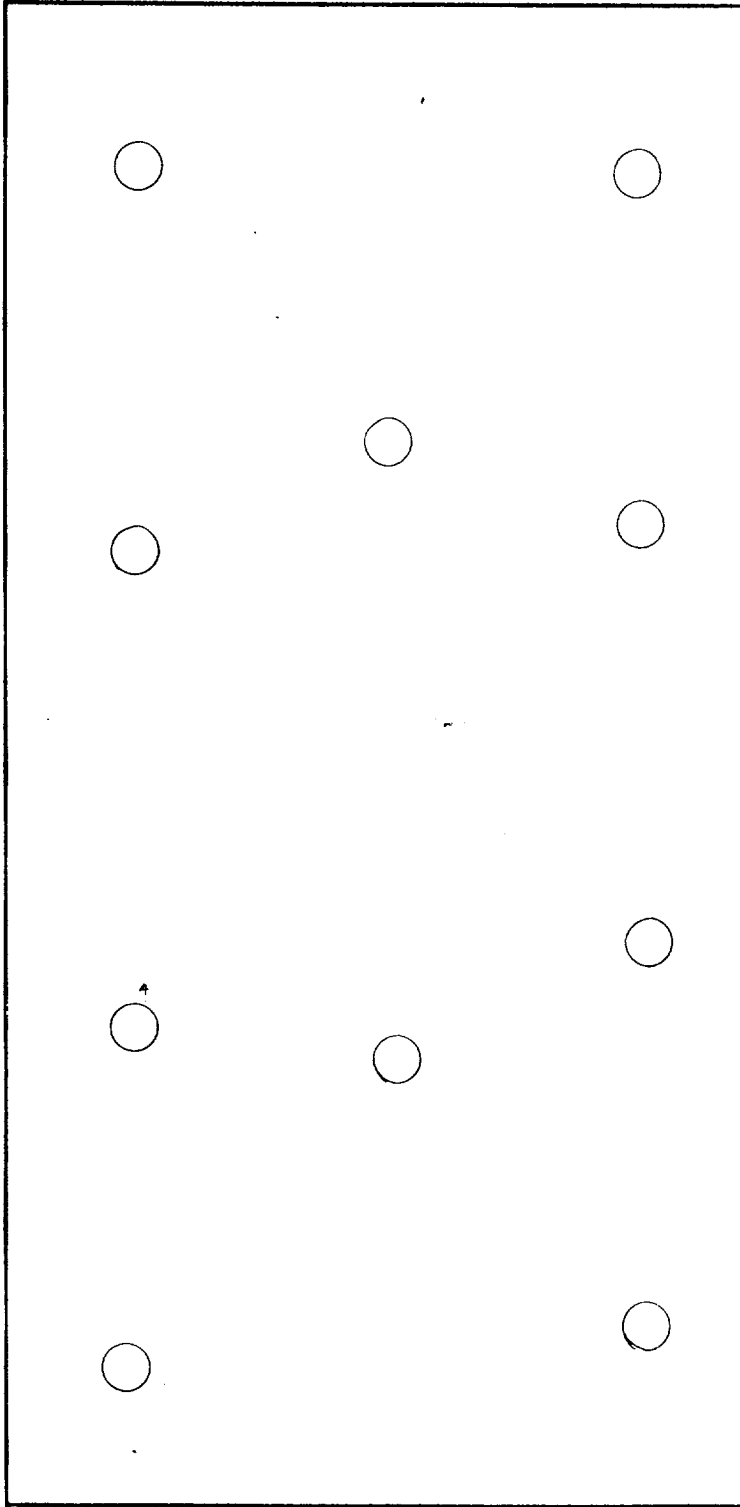
From excavation reports.

WELL NAME: Apache 153

SAMPLE DATE: 8-17-98

DIMENSIONS: 97' x 30' x 12

○ = SAMPLE AREA



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

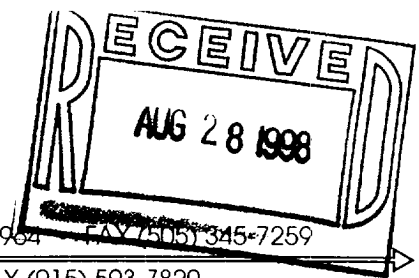
10 point composite sample



ASSAIGAI ANALYTICAL LABORATORIES, INC.

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APACHE CORPORATION
attn: JEFF CROSS
2855 SOUTHSIDE RIVER RD STE A
FARMINGTON, NM 87401-7947

* explanation of codes

B	analyte detected in Method Blank
E	result is estimated
H	analyzed out of hold time
N	tentatively identified compound
S	subcontracted
1-9	see footnote

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client: **APACHE CORPORATION**
Project: **9808179 JICARILLA PIT CLOSURES**

William P. Brava
William P. Brava, President of Assaigai Analytical Laboratories, Inc.

Client Sample ID: **APACHE #153 CELL** Sample Matrix: **SOIL** Sample Collected: **08/17/98 10:20:00**

<u>Fraction</u>	<u>QC Group</u>	<u>CAS #</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>Detection Limit</u>	<u>*</u>	<u>Sequence</u>	<u>Run Date</u>
Test: SW846 8010B/8020A Purgeable VOCs by GC/PID-ELCD									
9808179-01A	X98390	71-43-2	Benzene	ND	mg / Kg	50	0.005	XG.1998.702-7	08/20/98
	X98390	100-41-4	Ethylbenzene	ND	mg / Kg	50	0.005	XG.1998.702-7	
	X98390	95-47-6	o-Xylene	ND	mg / Kg	50	0.005	XG.1998.702-7	
	X98390		P/M-Xylenes	ND	mg / Kg	50	0.01	XG.1998.702-7	
	X98390	108-88-3	Toluene	ND	mg / Kg	50	0.005	XG.1998.702-7	
Test: SW846 8015A Diesel Range Organics by GC/FID									
9808179-01B	X98389		Diesel Range Organics	1400	mg / Kg	25	25	XG.1998.699-14	08/21/98

*** Sample specific analytical Detection Limit is determined by multiplying the sample Dilution Factor by the listed method Detection Limit. ***
*** Results relate only to the items tested. ***



