

District III

1000 Rio Brazos Rd

Aztec, NM 87410

Oil and 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

OIL CONSERVATION DIVISION

2040 S. PACHECO

Santa Fe, New Mexico 87505

FEB 08 1999

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED
DEC - 8 1998
OIL CONSERVATION DIVISION
DISTRICT III

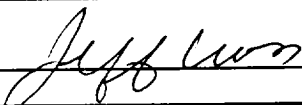
Approval

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 150 Pit #1</u>																															
Location: Unit or Qtr/Qtr Sec	<u>F</u> <u>Sec 3</u> <u>T 24 N</u> <u>R 4W</u>	County	<u>Rio Arriba</u>																												
Pit Type: Separator: <u>XX</u>	Dehydrator: _____	Other: _____																													
Land Type: <u>Jicarilla Tribal</u>																															
<table border="0"> <tr> <td>Beginning Pit Dimensions:</td> <td>Length <u>30'</u></td> <td>Width <u>30'</u></td> <td>Depth <u>5'</u></td> </tr> <tr> <td>Pit Location: Ending Pit Dimensions:</td> <td>Length <u>33'</u></td> <td>Width <u>33'</u></td> <td>Depth <u>10'</u></td> </tr> <tr> <td>(Attach diagram)</td> <td colspan="3"></td> </tr> <tr> <td>Reference:</td> <td>Wellhead <u>XXX</u></td> <td>Other: _____</td> <td></td> </tr> <tr> <td>Footage from reference:</td> <td><u>140'</u></td> <td colspan="2"></td> </tr> <tr> <td>Direction from reference:</td> <td><u>188</u> Degrees</td> <td>East _____</td> <td>North _____</td> </tr> <tr> <td></td> <td></td> <td><u>X</u> West</td> <td>South <u>XX</u></td> </tr> </table>				Beginning Pit Dimensions:	Length <u>30'</u>	Width <u>30'</u>	Depth <u>5'</u>	Pit Location: Ending Pit Dimensions:	Length <u>33'</u>	Width <u>33'</u>	Depth <u>10'</u>	(Attach diagram)				Reference:	Wellhead <u>XXX</u>	Other: _____		Footage from reference:	<u>140'</u>			Direction from reference:	<u>188</u> Degrees	East _____	North _____			<u>X</u> West	South <u>XX</u>
Beginning Pit Dimensions:	Length <u>30'</u>	Width <u>30'</u>	Depth <u>5'</u>																												
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		<u>X</u> West	South <u>XX</u>																												
Depth To Groundwater:		Less than 50 feet (20 points) _____																													
(vertical distance from		50 feet to 99 feet (10 points) _____																													
contaminants to seasonal		Greater than 100 feet (0 points) <u>0</u>																													
high water elevation of																															
groundwater)																															
Wellhead Protection Area:		Yes (20 points) _____																													
(Less than 200 feet from a private		No (0 points) <u>0</u>																													
domestic water source, or; less than																															
1000 feet from all other water sources)																															
Distance To Surface Water:		Less than 200 feet (20 points) _____																													
(Horizontal distance to perennial		200 feet to 1000 feet (10 points) _____																													
lakes, ponds, rivers, streams, creeks,		Greater than 1000 feet (0 points) <u>0</u>																													
irrigation canals and ditches)																															
		RANKING SCORE (TOTAL POINTS) <u>0</u>																													

Date Remediation Started:	<u>12/2/95</u>	Date Completed:	<u>12/14/95</u>
Remediation Method: (Check all appropriate sections)	Excavation <u>XXX</u>	Approx. cubic yards	<u>236</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 10', 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

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>10'</u>	<u>8 to 10" into pit sidewalls 10" into pit bottom</u>	
	Sample Date	<u>12/14/95</u>	Sample Time <u>2:05 PM</u>
	Sample results		
	Benzene	(ppm)	<u>ND</u>
	Total BTEX	(ppm)	<u>ND</u>
	Field Headspace	(ppm)	<u>13.18</u>
	TPH		<u>1600</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	<u></u>	AND TITLE	<u>Project Manager</u>

District III
1000 Rio Brazos Rd
Aztec, NM 87410

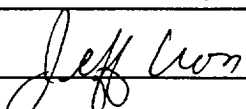
State of New Mexico
Energy, Minerals and Natural Resources Department

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: <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 150 Pit #2</u>	
Location: Unit or Qtr/Qtr Sec	<u>F</u> <u>Sec 3</u> <u>T 24 N</u> <u>R 4W</u>	County	<u>Rio Arriba</u>
Pit Type: Separator:	<u>Dehydrator</u>	Other	<u>Drip Pit</u>
Land Type:	<u>Jicarilla Tribal</u>		
Beginning Pit Dimensions:		Length <u>18'</u>	Width <u>18'</u> Depth <u>2'</u>
Pit Location: (Attach diagram)	Ending Pit Dimensions:	Length <u>18'</u>	Width <u>18'</u> Depth <u>5'</u>
Reference:	Wellhead <u>XXX</u>	Other	<u> </u>
Footage from reference:		<u>125'</u>	
Direction from reference:		<u>300</u> Degrees	<u> </u> East North <u>X</u>
		<u>XX</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)	<u> </u>
		50 feet to 99 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 200 feet (20 points)	<u> </u>
		200 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>12/2/95</u>	Date Completed:		<u>12/14/95</u>
Remediation Method: (Check all appropriate sections)		Excavation <u>XXX</u>	Approx. cubic yards	<u>36</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 5', 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: (in multiple samples, attach sample results and diagram of sample locations and depths)	Sample depth <u>5'</u>	<u>bottom center.</u>			
		<u>8 to 10" into pit sidewalls 10" into pit bottom</u>			
	Sample Date	<u>12/14/95</u>	Sample Time	<u>1:55 PM</u>	
	Sample results				
	Benzene	(ppm)	<u>ND</u>		
	Total BTEX	(ppm)	<u>ND</u>		
	Field Headspace	(ppm)	<u>33.22</u>		
	TPH		<u>150</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 # 150</u>		PIT # <u>1</u>	
Location:	Unit or Qtr/Qtr	Sec	<u>F</u> <u>SEC 3</u> <u>T 24 N</u> <u>R 4 W</u> County <u>Rio Arriba</u>
Pit Type:	Separator: <u>XX</u>	Dehydrator	<u>Other</u>
Land Type: <u>Jicarilla Tribal</u>			
<div style="display: flex; justify-content: space-between;"> <div>Pit Location: (Attach diagram)</div> <div> Pit Dimensions: Length <u>33'</u> Width <u>33'</u> Depth <u>10'</u> Reference: Wellhead <u>XX</u> Other _____ Footage from reference: <u>140'</u> Direction from reference: <u>188</u> Degrees _____ East _____ North _____ <div style="display: flex; justify-content: space-around;"> <u>X</u> West South <u>XX</u> </div> </div> </div>			
Depth To Groundwater: (vertical distance from contaminants to seasonal high water elevation of groundwater)		Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points)
			<u>0</u>
Distance to an Ephemeral Stream: (Downgradient dry wash greater than ten feet in width)		Less than 100 feet Greater than 100 feet	(10 points) (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 Greater than 100 feet	(10 points) (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 No	(20 points) (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 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points)
			<u>0</u>
		RANKING SCORE (TOTAL POINTS)	
			<u>0</u>

Date Remediation Started:		<u>12/2/95</u>		Date Completed:		<u>12/14/95</u>	
Remediation Method:		Excavation <u>XXX</u>		Approx. cubic yards		<u>236</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:		EXCAVATE PIT TO 10', TOOK PID READINGS. BACK FILL PIT WITH CLEAN SOIL. REMEDIATED SOIL TO BE SPREAD ON LOCATION. SPREAD SOIL ON LOCATION FOR REMEDIATION. TOOK SOIL SAMPLES.					
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>10'</u>			
		Sample Date		<u>12/14/95</u>		Sample Time <u>2:05PM</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>13.18</u>		Ethylbenzene	(ppb)	<u>NA</u>
	TPH	(ppm)	<u>1600</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>Ker C M</u>		DATE:		<u>11-13-95</u>	

JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P. O. BOX 507
DULCE, NEW MEXICO 87528

Submit 1 copy to
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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 # 150</u> <u>PIT # 2</u>			
Location:	Unit or Qtr/Qtr	Sec	<u>F</u> <u>SEC 3</u> <u>T 24 N</u> <u>R 4 W</u> County <u>Rio Arriba</u>
Pit Type:	Separator: <u> </u>	Dehydrator <u> </u>	Other <u>DRIP PIT</u>
Land Type: <u>Jicarilla Tribal</u>			

Pit Location: (Attach diagram)	Pit Dimensions:	Length <u>18'</u>	Width <u>18'</u>	Depth <u>5'</u>	
	Reference:	Wellhead <u>XX</u>	Other <u> </u>		
	Footage from reference:	<u>125'</u>			
	Direction from reference:	<u>300</u> Degrees	<u> </u> East	North	<u>X</u>
			<u>XX</u> West	of South	<u> </u>

Depth To Groundwater: (vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet	(20 points)	<u> </u>
	50 feet to 99 feet	(10 points)	<u> </u>
	Greater than 100 feet	(0 points)	<u>0</u>
Distance to an Ephemeral Stream: (Downgradient dry wash greater than ten feet in width)	Less than 100 feet	(10 points)	<u> </u>
	Greater than 100 feet	(0 points)	<u>0</u>
Distance to Nearest Lake, Playa, or Watering Pond: (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet	(10 points)	<u> </u>
	Greater than 100 feet	(0 points)	<u>0</u>
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources)	Yes	(20 points)	<u> </u>
	No	(0 points)	<u>0</u>
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet	(20 points)	<u> </u>
	100 feet to 1000 feet	(10 points)	<u> </u>
	Greater than 1000 feet	(0 points)	<u>0</u>
	RANKING SCORE (TOTAL POINTS)		<u>0</u>

Date Remediation Started:		<u>12/2/95</u>		Date Completed:		<u>12/14/95</u>	
Remediation Method: (Check all appropriate sections)		Excavation <u>XXX</u>		Approx. cubic yards		<u>36</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 5', 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>5'</u>			
		Sample Date		<u>12/14/95</u>		Sample Time <u>1:55PM</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>33.22</u>		Ethylbenzene	(ppb)	<u>NA</u>
	TPH	(ppm)	<u>150</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>Ken C McCall</u>		DATE:		<u>11-13-98</u>	

APACHE CORPORATION FARMINGTON DISTRICT
PIT EXCAVATION AND CLOSURE REPORT

LOCATION: APACHE 150

PIT COUNT: 2

JICARILLA APACHE TRIBAL EPO
REVIEW AND APPROVAL

EPO REPRESENTATIVE KCM
DATE OF REVIEW: 12-27-95

		EXCAVATION						
DIMENSIONS		START		FINISH				
	W	L	D		W	L	D	CU.YDS.
PIT 1	30'	30'	5'	PIT 1	33'	33'	10'	236.0
PIT 2	18'	18'	2'	PIT 2	18'	18'	5'	36.0
PIT 3				PIT 3				
DATE:12/02/95		PIT1@10'	PIT2@05'	PIT3@_____'	DATE:_____	PIT1@_____'	PIT2@_____'	PIT3@_____'
P. I. D.	CENTER	135.0	905.0		P. I. D.	CENTER		
	NW CORNER	96.5	621.0			NW CORNER		
	NE CORNER	117.0	1023.0			NE CORNER		
	SW CORNER	96.5	927.0			SW CORNER		
	SE CORNER	87.7	851.0			SE CORNER		

NOTES:

12/02/95 -- PIT 1 -- Staining to 9'. Hit sandstone @ 10'
PIT 2 -- No staining, strong odor to 4'. Hit sandstone @ 5'.

SOIL SAMPLING

DATE:12/02/95		PIT1@10'	PIT2@05'	PIT3@___'	ANALYSIS RESULTS		PER LAB:	ASSAIGAI	
P. I. D.	CENTER	135.0	905.0		PIT	TPH	BETEX	WITNESS	DATE
	NW CORNER	96.5	621.0		NO.				
	NE CORNER	117.0	1023.0		1	2600	6.61	IF&S	12/02/95
	SW CORNER	96.5	927.0		2	980	188	IF&S	12/02/95
	SE CORNER	87.7	851.0		3				

RE-SAMPLE OR CELL(S) SAMPLE

DATE: 12/14/95		PIT1@10'	PIT2@05'	PIT3@	ANALYSIS RESULTS		PER LAB:	ASSAIGAI	
P. I. D.	CENTER	22.2	36.3		PIT	TPH	BETEX	WITNESS	DATE
	NW CORNER	9.9	30.3		NO.				
	NE CORNER	17.6	34.2	1	1600	ND	JDT	12/14/95	
	SW CORNER	5.6	16.6	2	650	ND	JDT	12/14/95	
	SE CORNER	10.6	48.7	3					

RE-SAMPLE OR CELL(S) SAMPLE

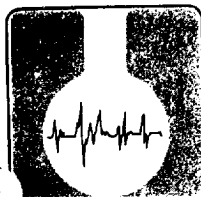
DATE:		PIT 1	PIT 2	PIT 3	ANALYSIS RESULTS			PER LAB:	
P. I. D.	CENTER				PIT	TPH	BETEX	WITNESS	DATE
	NW CORNER				NO.				
	NE CORNER				1				
	SW CORNER				2				
	SE CORNER				3				



SAMPLE DATE 12/14/95

[illegible]

[illegible]



ASSAIGAI ANALYTICAL LABORATORIES

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:
January 9, 1996 14:20

CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE

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

WORKORDER # : 9512195
WORK ID : PIT REMEDIATION-95017
CLIENT CODE : APA01
DATE RECEIVED : 12/18/95

ATTN: JOHN TAYLOR

Page: 1

Lab ID: 9512195-01A
Sample ID: AP #143-H

Collected: 12/14/95 13:30:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	50	12/27/95	SBTXME097
Toluene	ND	mg/Kg	0.0010	50	12/27/95	SBTXME097
Ethylbenzene	0.16	mg/Kg	0.0010	50	12/27/95	SBTXME097
P-&m-Xylene	0.55	mg/Kg	0.0010	50	12/27/95	SBTXME097
O-Xylene	0.41	mg/Kg	0.0010	50	12/27/95	SBTXME097

Lab ID: 9512195-01B
Sample ID: AP #143-H

Collected: 12/14/95 13:30:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M						
Diesel	5700	mg/Kg	5.0	500	01/05/96	SLFTD57
HCs DSL XT/CAL DHS 8015M	12/21/95	N/A				

Lab ID: 9512195-02A
Sample ID: AP #150-H *p. + #1*

Collected: 12/14/95 14:05:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	50	12/27/95	SBTXME097
Toluene	ND	mg/Kg	0.0010	50	12/27/95	SBTXME097
Ethylbenzene	ND	mg/Kg	0.0010	50	12/27/95	SBTXME097
P-&m-Xylene	ND	mg/Kg	0.0010	50	12/27/95	SBTXME097
O-Xylene	ND	mg/Kg	0.0010	50	12/27/95	SBTXME097



Lab ID: 9512195-02B
 Sample ID: AP #150-H pit #1

Collected: 12/14/95 14:05:00
 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M	1600	mg/Kg	5.0	50	01/05/96	SLFTD57
Diesel	12/21/95	N/A				
HCs DSL XT/CAL DHS 8015M						

Lab ID: 9512195-03A
 Sample ID: AP #143-C

Collected: 12/14/95 13:40:00
 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	50	12/27/95	SBTXME097
Toluene	ND	mg/Kg	0.0010	50	12/27/95	SBTXME097
Ethylbenzene	ND	mg/Kg	0.0010	50	12/27/95	SBTXME097
P-&m-Xylene	ND	mg/Kg	0.0010	50	12/27/95	SBTXME097
O-Xylene	ND	mg/Kg	0.0010	50	12/27/95	SBTXME097

Lab ID: 9512195-03B
 Sample ID: AP #143-C

Collected: 12/14/95 13:40:00
 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M	130	mg/Kg	5.0	5.0	01/05/96	SLFTD57
Diesel	12/21/95	N/A				
HCs DSL XT/CAL DHS 8015M						

Lab ID: 9512195-04A
 Sample ID: AP #150-C pit #2

Collected: 12/14/95 13:55:00
 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	50	12/27/95	SBTXME097
Toluene	ND	mg/Kg	0.0010	50	12/27/95	SBTXME097
Ethylbenzene	ND	mg/Kg	0.0010	50	12/27/95	SBTXME097
P-&m-Xylene	ND	mg/Kg	0.0010	50	12/27/95	SBTXME097
O-Xylene	ND	mg/Kg	0.0010	50	12/27/95	SBTXME097

Lab ID: 9512195-04B
 Sample ID: AP #150-C pit #2

Collected: 12/14/95 13:55:00
 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M	150	mg/Kg	5.0	5.0	01/05/96	SLFTD57
Diesel	12/21/95	N/A				
HCs DSL XT/CAL DHS 8015M						



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ALBUQUERQUE, NEW MEXICO 87110
(505) 345-8964

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

MELGONIADES ADAMIS
6411 LOCAL UNO
CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Analysis Required

[illegible]

[illegible]

Date	12/12/85
Time	12:10
Received by:	_____
Signature	_____
Printed	_____
Company	_____
Reason	_____

—	<input type="checkbox"/> Disposed of (additional fee)
—	<input type="checkbox"/> Stored (30 days max)
—	<input type="checkbox"/> Stored over 30 days (additional fee)
—	<input type="checkbox"/> Returned to customer

COURIER

GENERAL DRAINAGE

NORTH

APACHE

APACHE NUMBER 150 Lease # JAT 126

SE/4 NW/4 (F)

SECTION 3, TOWNSHIP 24N, RANGE 4W

RIO ARriba COUNTY, NM

Revised 6/1/97 MG

TANK FIRE WALL IS 4' WIDE AT THE BASE 1' WIDE AT THE TOP, AND 1' HIGH

Pit #1

Reclaimed

188° 55' 00"

140' FW4

GI-2768

400 BBL

OIL

GI-2769

400 BBL

OIL

S

SEPARATOR

PUMP JACK

WELL HEAD

11GMH

APACHE METER RUN

Pit #2
125' 200° 00' 00"

DRAINAGE IS APPROXIMATELY 400' EW TO AN UNNAMED WASH. 1 MILE TO LARGO WASH AND THEN APP. 50 MILES TO THE SAN JUAN RIVER

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 # 150</u>	
Location: Unit or Qtr/Qtr Sec <u>F</u> <u>SEC 3</u> <u>T 24 N</u> <u>R 4 W</u> County <u>RIO ARRIBA</u>	
Land Type <u>JIC. TRIBAL</u>	
Date Remediation Started: <u>12/2/95</u> Date Completed: <u>8/17/98</u>	
Remediation Method: Landfarmed <u>XXX</u> Approx. cubic yards <u>272</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>11:50AM</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>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>Ken C. Merrill</u>	DATE: <u>11-13-98</u>

APACHE COPORATION/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE APACHE # 150

* AMOUNT OF SOIL UNDERGOING REMEDIATION 272 Yds.

CELL No. <u>1</u>	SampDATE 8/17/98	TPH ND	BTEX ND
DIMENSIONS(LxWxH) <u>180' X 40' X 12"</u>			
CELL LOCATION (dir. from well head) <u>NORTH</u>			
* DATE BEGAN: <u>12/2/95</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)			
REMEDIATION RECORD: (Date, Treatment, Tilling)			
1/3/96 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 13 LBS PHOSPOHRUS,33LBS	
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 #152

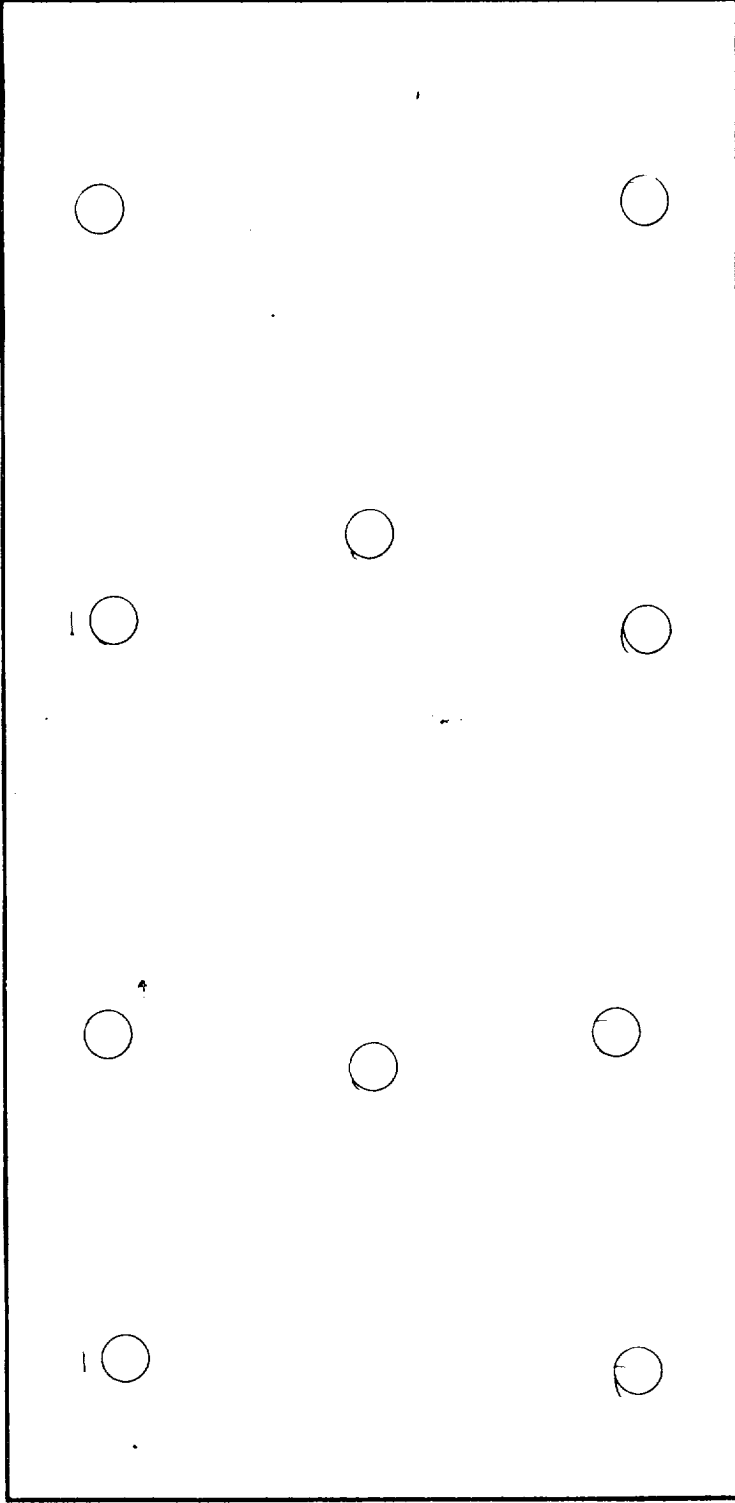
SAMPLE DATE:

8-17-98

DIMENSIONS:

180' x 40' x 12"

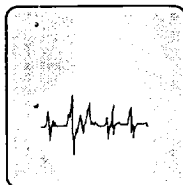
○ = SAMPLE AREA



NOTES:

ALL SAMPLES TAKEN 10" TO 12" INTO CELL.

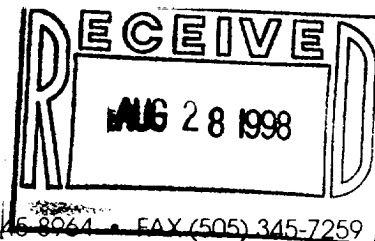
16 point composite sample



ASSAIGAI ANALYTICAL LABORATORIES, INC.

7300 Jefferson, NE • 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
127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558



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: **9808180 JICARILLA PIT CLOSURES**

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

Client Sample ID **APACHE #150 CELL** Sample Matrix **SOIL** Sample Collected **08/17/98 11:50:00**

Fraction	QC Group	CAS #	Result	Units	Dilution Factor	Detection Limit	*	Sequence	Run Date
Test: SW846 8015A/8020A GRO / Purgeable Aromatics									
9808180-31A	X98392	71-43-2	Benzene	ND	mg / Kg	50	0.005	XG.1998.704-5	08/20/98
	X98392	100-41-4	Ethylbenzene	ND	mg / Kg	50	0.005	XG.1998.704-5	
	X98392	95-47-6	o-Xylene	ND	mg / Kg	50	0.005	XG.1998.704-5	
	X98392		p/m Xylenes	ND	mg / Kg	50	0.01	XG.1998.704-5	
	X98392	108-88-3	Toluene	ND	mg / Kg	50	0.005	XG.1998.704-5	
Test: SW846 8015A Diesel Range Organics by GC/FID									
9808180-31B	X98389		Diesel Range Organics	ND	mg / Kg	25	25	XG.1998.699-5	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. ***



viatti di Custody recorda

Lab job no.: 0100

Dois

Page 1 of 1

ALBUQUERQUE, NEW MEXICO 87109
(505) 735 3061

1303) 243-6564

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

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

MELUOLAEDES ALANIS
E411110CA111NO

6411 LOCAL UNO .
CIUDAD JUAREZ. CHIHUAHUA MEXICO 323320

en Apache Corporation

Project Manager / Contact ~~Jeff Cross~~

Address 2855 Southside River Rd. Ste. A

Telephone No. (505) 774-6643

State / Zip Farmington, NM 87401-7947

Fax No. (505) 774-6624

JICARILLA PIT CLOSURES

Samplers: (Signature) Jefferson

Contract / Purchase Order / Quote _____

[illegible][illegible]

Date	10/19/92
Time	1015

Received by: Don. P. Davis
Signature: Don. P. Davis
Printed: AAL
Company: DelIVERY
Reason: DelIVERY

Relinquished by: Sam. D. Blair
Signature Sam. D. Blair
Printed Sam. D. Blair
Company NAI
Reason Analyses

Received by: <u>Paul Adams</u> Signature <u>R. L. Adams</u> Printed <u>AA C I</u> Company <u>AA C I</u> Reason <u>03/01/98 3AM</u>	Date <u>8/22/98</u> Time <u>1745</u>
--	---

of Shipment.

11 No. _____

Instructions: -

Comments:

1

☐ Disposed of (addition)

☐ **Disposed of (additional fee)**

☐ Stored (30 days max)

☐ **Stored over 30 days (additional fee)**

☐ Returned to customer

LABORATORY