

Denny S. Frost
District III
1000 North Brazo Road
Aztec, NM 87410

DEPUTY OIL & GAS INSPECTOR

APR 10 1998

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. PACHECO

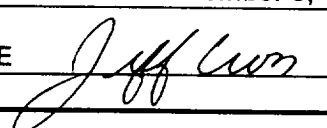
Santa Fe, New Mexico 87505

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

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 # 151</u>	<u>Pit #2</u>
Location: Unit or Qtr/Qtr Sec		<u>O</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>	
BEGINNING DIMENSIONS			
Pit Location: <u>2nd</u> Pit Dimensions:		Length <u>10'</u> <u>12'</u>	Width <u>10'</u> <u>12'</u> Depth <u>2.5'</u> <u>10'</u>
(Attach diagram)			
Reference:		Wellhead <u>X</u>	Other _____
Footage from reference:		<u>50'</u>	
Direction from reference:		<u>5</u> Degrees <u>X</u> East	North <u>XX</u>
		_____ 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>	

RECEIVED
DEC 10 1997
OIL CON. DIV.
DIST. 3

Date Remediation Started:		<u>8/24/95</u>		Date Completed:		<u>7/31/97</u>	
Remediation Method: (Check all appropriate sections)		Excavation <u>XXX</u>		Approx. cubic yards		<u>60</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 10', 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>4:16 P.M.</u>	
Sample results							
Benzene		(ppm)		<u>ND</u>			
Total BTEX		(ppm)		<u>0.66</u>			
Field Headspace		(ppm)		<u>5.92</u>			
TPH				<u>92</u>			
Groundwater Sample:		Yes		No <u>X</u>		(If yes attach sample results)	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.							
DATE		<u>November 5, 1997</u>		PRINTED NAME		<u>Jeff Cross</u>	
SIGNATURE				AND TITLE		<u>Project Manager</u>	

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

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

PIT REMEDIATION AND CLOSURE REPORT

Operator: <u>APACHE CORPORATION</u>		Telephone <u>505-325-0318</u>	
Address: <u>304 N. BEHREND, FARMINGTON, N.M. 84701</u>			
Facility or Well Name: <u>APACHE # 151</u>		<u>PIT # 2</u>	
Location:	Unit or Qtr/Qtr Sec <u>O</u>	<u>SEC 12</u>	<u>T 24N</u>
	<u>R 4W</u>	County	<u>RIO ARRIBA</u>
Pit Type:	Separator: <u> </u>	Dehydrator <u> </u>	Other <u>DRIP PIT</u>
Land Type: <u>JIC. TRIBAL</u>			
Pit Location: (Attach diagram)			
Pit Dimensions:	Length <u>12'</u>	Width <u>12'</u>	Depth <u>10'</u>
Reference:	Wellhead <u>XXX</u>	Other <u> </u>	
Footage from reference:	<u>50'</u>		
Direction from reference:	<u>5</u> Degrees	<u>X</u> East	North <u>XX</u>
		<u> </u> West	of 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: 8/24/95 Date Completed: 7/31/97

Remediation Method: Excavation XXX Approx. cubic yards 60
(Check all appropriate sections)

Landfarmed XX Insitu Bioremediation _____

Other _____

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

General Description of Remedial Action: Excavate pit to 10', took PID readings. spread soil on
location for remediation. Took soil samples.

Groundwater Encountered: No XXX 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 side walls, 10" into pit bottom.

Sample Date 9/15/95 Sample Time 4:16PM
Sample results

Soil:	Benzene	(ppm)	<u>ND</u>	Water:	Benzene	(ppb)	<u>NA</u>
	Total BTEX	(ppm)	<u>0.66</u>		Toluene	(ppb)	<u>NA</u>
	Field Headspace	(ppm)	<u>5.92</u>		Ethylbenzene	(ppb)	<u>NA</u>
	TPH	(ppm)	<u>92</u>		Total Xylenes	(ppb)	<u>NA</u>

Groundwater Sample: Yes _____ No XXX (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 8-22-97 PRINTED NAME JEFF CROSS

SIGNATURE Jeff Cross AND TITLE PROJECT MANAGER

AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON) _____

SIGNED:

Kevin C. Mamm

DATE:

9-2-97

NORTH

||||| = Spread Area

GENERAL DRAINAGE

APACHE

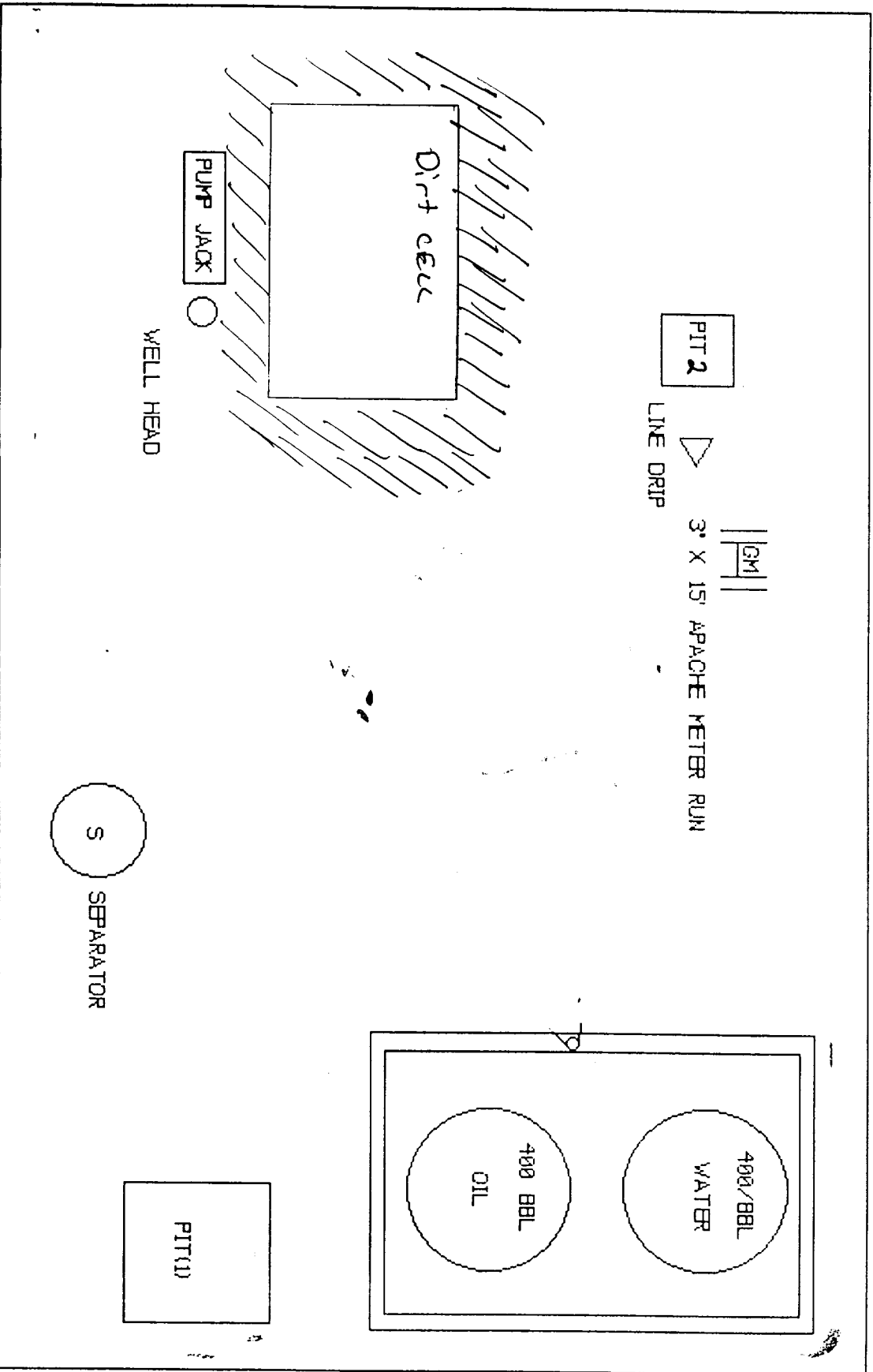
APACHE NUMBER 151 Lease # JAT 126

SW 1/4 SE 1/4 (O)

SECTION 12 TOWNSHIP 24N. RANGE 4W

RIO ARriba COUNTY, NM

Revised 8/1/97 MG



APACHE CORPORATION FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

JICARILLA APACHE TRIBAL EPO
REVIEW AND APPROVAL

EPO REPRESENTATIVE K.C.
DATE OF REVIEW: 10/30/95

LOCATION: APACHE 151

PIT COUNT: 2

		EXCAVATION						
DIMENSIONS		START		FINISH				
	W'	L'	D'		W'	L'	D'	CU.YDS.
PIT 1	18'	18'	4.5	PIT 1	20'	20'	10'	140.0
PIT 2	10'	10'	2.5'	PIT 2	12'	12'	10'	60.0
PIT 3				PIT 3				
DATE: 08/24/95		PIT 1@ 09'	PIT 2@ 08'	PIT 3@	DATE: 09/15/95	PIT 1@ 10'	PIT 2@ 10'	PIT 3@
P. I. D.	CENTER	468.0	258.0		P.	CENTER	3.3	3.2
	NW CORNER	326.0	205.0		P.	NW CORNER	2.6	4.3
	NE CORNER	240.0	175.0		I.	NE CORNER	2.3	4.5
	SW CORNER	130.0	280.0		D.	SW CORNER	1.4	9.6
	SE CORNER	507.0	220.0			SE CORNER	2.2	8.0

NOTES:

08/24/95 PIT 1 - Excavate to 10', staining and lt. odor to 9'.
PIT 2 - Excavate to 10', no staining, strong odor to 8'.

*High TPH & BTEX levels from 08/24 sampling PIT 1 @ 9'.

SOIL SAMPLING

DATE: 08/24/95		PIT 1@ 09'	PIT 2@ 08'	PIT 3@	ANALYSIS RESULTS		PER LAB: ASSAIGAI	
					TPH	BTEX	WITNESS	DATE
P. I. D.	CENTER	468.0	258.0		PIT NO.			
	NW CORNER	326.0	205.0					
	NE CORNER	240.0	175.0	1	9800.0	76.0	IF&S	08/24/95
	SW CORNER	130.0	280.0	2	480.0	ND	IF&S	08/24/95
	SE CORNER	507.0	220.0					

RE-SAMPLE OR CELL(S) SAMPLE

DATE: 09/15/95		PIT 1@ 10'	PIT 2@ 10'	PIT 3@	ANALYSIS RESULTS		PER LAB: ASSAIGAI	
					TPH	BTEX	WITNESS	DATE
P. I. D.	CENTER	3.3	3.2		PIT NO.			
	NW CORNER	2.6	4.3					
	NE CORNER	2.3	4.5	1	210.0	ND	JDT	09/15/95
	SW CORNER	1.4	9.6	2	92.0	0.66	JDT	09/15/95
	SE CORNER	2.2	8.0					

RE-SAMPLE OR CELL(S) SAMPLE

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

Notes:

PID READINGS						Site Number: 151	Notes:
Date	Pit No.	Interval (Depth)	Location	Reading (ppm)			
08/24/95	1	9'	Center	488			Starting depth: 4.5 feet. Excavated to 9 feet, took 5 part composite sample of the bottom and PID readings. Excavated additional 1-1.5 feet, took PID readings, all but the center were below 75 ppm.
08/24/95	1	9'	N.W. Corner	326			
08/24/95	1	9'	N.E. Corner	240			
08/24/95	1	9'	S.E. Corner	130			
08/24/95	1	9'	S.W. Corner	507			
08/24/95	1	10'	Center	185			
08/24/95	1	10'	N.W. Corner	2.3			
08/24/95	1	10'	N.E. Corner	4.2			
08/24/95	1	10'	S.E. Corner	75			
08/24/95	1	10'	S.W. Corner	32			
08/24/95	2	7'	Center	1644			Starting Depth 2.5 feet. Excavated to 7 feet, to 5 part composite sample and PID reading of the pit bottom. No visible staining in the bottom but a strong odor is present. Excavated to 10', chased sidewall stains.
08/24/95	2	7'	N.W. Corner	1422			
08/24/95	2	7'	N.E. Corner	1026			
08/24/95	2	7'	S.E. Corner	1626			
08/24/95	2	7'	S.W. Corner	1428			
08/24/95	2	9'	Center	258			
08/24/95	2	9'	N.W. Corner	205			
08/24/95	2	9'	N.E. Corner	175			
08/24/95	2	9'	S.E. Corner	280			
08/24/95	2	9'	S.W. Corner	220			

[illegible]

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						
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: 9509143-16B
Sample ID: AP# 138

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

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M						
Diesel	510	mg/Kg	5.0	20	09/26/95	SLFTD45
HCs DSL XT/CAL DHS 8015M	09/20/95	N/A				

Lab ID: 9509143-17A
Sample ID: AP# 119

Collected: 09/15/95 15:50:00
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	0.0079	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: 9509143-17B
Sample ID: AP# 119

Collected: 09/15/95 15:50:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M						
Diesel	640	mg/Kg	5.0	20	09/26/95	SLFTD45
HCs DSL XT/CAL DHS 8015M	09/20/95	N/A				

Lab ID: 9509143-18A
Sample ID: AP# 151H

Collected: 09/15/95 16:05:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5.0	09/25/95	SBTXME077
Toluene	ND	mg/Kg	0.0010	5.0	09/25/95	SBTXME077
Ethylbenzene	ND	mg/Kg	0.0010	5.0	09/25/95	SBTXME077
P-&m-Xylene	ND	mg/Kg	0.0010	5.0	09/25/95	SBTXME077

Lab ID: 9509143-18A
 Sample ID: AP# 151H pit #1

Collected: 09/15/95 16:05:00
 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A O-Xylene	ND	mg/Kg	0.0010	5.0	09/25/95	SBTXME077

Lab ID: 9509143-18B
 Sample ID: AP# 151H pit #1

Collected: 09/15/95 16:05:00
 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel	210	mg/Kg	5.0	20	09/26/95	SLFTD45
HCs DSL XT/CAL DHS 8015M	09/20/95	N/A				

Lab ID: 9509143-19A
 Sample ID: AP# 151C pit #2

Collected: 09/15/95 16:16:00
 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
X/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	250	09/26/95	SBTXME077
Toluene	ND	mg/Kg	0.0010	250	09/26/95	SBTXME077
Ethylbenzene	0.66	mg/Kg	0.0010	250	09/26/95	SBTXME077
P-&m-Xylene	ND	mg/Kg	0.0010	250	09/26/95	SBTXME077
O-Xylene	ND	mg/Kg	0.0010	250	09/26/95	SBTXME077

Lab ID: 9509143-19B
 Sample ID: AP# 151C pit #2

Collected: 09/15/95 16:16:00
 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel	92	mg/Kg	5.0	5.0	09/25/95	SLFTD45
HCs DSL XT/CAL DHS 8015M	09/20/95	N/A				

Lab ID: 9509143-20A
 Sample ID: AP# 111

Collected: 09/15/95 16:40:00
 Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	250	09/25/95	SBTXME077
luene	ND	mg/Kg	0.0010	250	09/25/95	SBTXME077
ylbenzene	0.94	mg/Kg	0.0010	250	09/25/95	SBTXME077
p'-&m-Xylene	2.2	mg/Kg	0.0010	250	09/25/95	SBTXME077
O-Xylene	ND	mg/Kg	0.0010	250	09/25/95	SBTXME077



Chain of Custody Record

7300 JEFFERSON, N.E.
ALBUQUERQUE, NEW MEXICO 87109
(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 Farmington, NM 87401
Project Name / Number Pit Remediation 95017
Contract / Purchase Order / Quote _____

Project Manager / Contact John Taylor
Telephone No. (505) 325-0318
Fax No. (505) 325-0325
Samplers: (Signature) [Signature]

MELQUIADES ALANIS
6411 LOCAL UNO
CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

ALL FRANCO NUMBER	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation	
						Temp.	Chemical
131	AP# 106	9/15	2:35	Soil	Glass	80	Ice
132	AP# 106		2:35				
141	AP# 116		2:46				
142	AP# 116		2:46				
151	AP# 118		3:03				
152	AP# 118		3:03				
161	AP# 138		3:31				
162	AP# 138		3:31				
171	AP# 119		3:50				
172	AP# 119		3:50				
181	AP# 151H		4:05				
182	AP# 151H		4:05				

Relinquished by: Signature <u>[Signature]</u> Printed <u>Scott Dudenhofer</u> Company <u>INDIAN FIRE & SAFETY</u> Reason <u>Testing</u>	Date <u>9/15/95</u> Time <u>7:50 PM</u>	Received by: Signature <u>[Signature]</u> Printed <u>John Taylor</u> Company <u>AMC</u> Reason _____	Date <u>9/15/95</u> Time <u>7:20 AM</u>	Relinquished by: Signature <u>[Signature]</u> Printed <u>John Taylor</u> Company <u>AMC</u> Reason _____	Date <u>9/15/95</u> Time <u>7:20 AM</u>	Received by: Signature <u>[Signature]</u> Printed <u>John Taylor</u> Company <u>AMC</u> Reason _____	Date <u>9/15/95</u> Time <u>7:20 AM</u>
Method of Shipment: _____ 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: 9508243-02B
Sample ID: PIT #19

Collected: 08/19/95 14:45:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME071
Toluene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME071
Ethylbenzene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME071
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	08/30/95	SBTXME071
O-Xylene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME071

Lab ID: 9508243-03A
Sample ID: PIT #17

Collected: 08/25/95 10:35:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M						
Diesel	37	mg/Kg	5.0	5.0	09/05/95	SLFTD-041
HCs DSL XT/CAL DHS 8015M	08/30/95	N/A				

Lab ID: 9508243-03B
Sample ID: PIT #17

Collected: 08/25/95 10:35:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME070
Toluene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME070
Ethylbenzene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME070
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	08/30/95	SBTXME070
O-Xylene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME070

Lab ID: 9508243-04A
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
HCs DIESEL/CAL DHS 8015M						
Diesel	2500	mg/Kg	5.0	100	09/06/95	SLFTD-041
HCs DSL XT/CAL DHS 8015M	08/30/95	N/A				

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						
Benzene	ND	mg/Kg	0.0010	10000	09/01/95	SBTXME072
Toluene	17	mg/Kg	0.0010	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 # 151</u>			
Location:	Unit or Qtr/Qtr	Sec <u>O</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>8/24/95</u>		Date Completed: <u>7/31/97</u>	
Remediation Method: <u>Landfarmed</u>		<u>XXX</u>	Approx. cubic yards <u>203</u>
Composted			
Other			
Depth to Groundwater: (pts) <u>0</u>		Final Closure Sampling Sampling Date: <u>7/31/97</u> Time: <u>9:00AM</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 _____ (REASON) _____			
SIGNED: <u>Karl C. Marshall</u>		DATE: <u>9-2-97</u>	

APACHE CORPORATION/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE APACHE # 151

* AMOUNT OF SOIL UNDERGOING REMEDIATION 203 Yds.

CELL No. <u>#1</u>	SampDATE <u>7/31/97</u>	TPH <u>ND</u>	BTEX <u>ND</u>
DIMENSIONS(LxWxH) <u>85' L X 43' W X 18" H</u>			
CELL LOCATION (dir. from well head) <u>NORTH</u>			
* DATE BEGAN: <u>8/24/95</u>			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm) <u>7/31/97</u>			
CELL No. <u>#2</u>	SampDATE	TPH	BTEX
DIMENSIONS(LxWxH)			
CELL LOCATION (dir. from well head)			
* DATE BEGAN:			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm)			
CELL No. <u>#3</u>	SampDATE	TPH	BTEX
DIMENSIONS(LxWxH)			
CELL LOCATION (dir. from well head)			
* DATE BEGAN:			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm)			
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 #151

SAMPLE DATE:

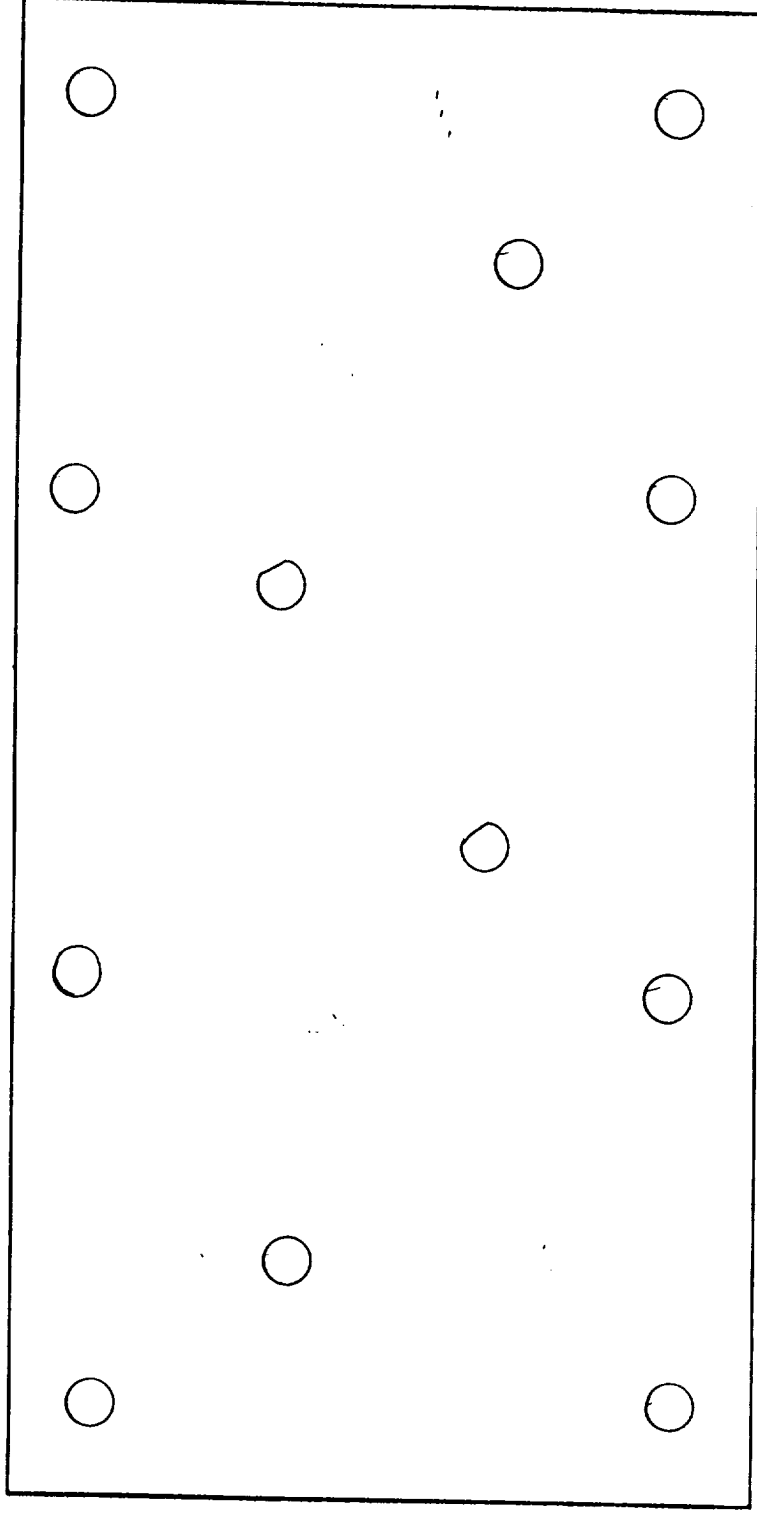
7-31-97

DIMENSIONS:

85' L X 43' W X 18" H



= SAMPLE AREA

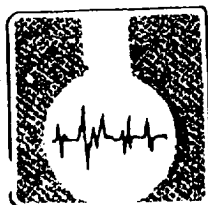


NOTES:

ALL SAMPLES TAKEN 10" TO 12" INTO CELL.

12 Point Composite Sample

PID 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 13:18

**CERTIFICATE OF ANALYSIS
RESULTS BY SAMPLE**

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

WORKORDER # : 9708020
WORK ID : JICARILLA PIT CLOSURES
CLIENT CODE : APA01
DATE RECEIVED : 08/01/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9708020-01A
Sample ID: A #151 CELL #1

Collected: 07/31/97 09:00:00
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: 9708020-01B
Sample ID: A #151 CELL #1

Collected: 07/31/97 09:00:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015						
Diesel Range OG in Soil	ND	mg/Kg	25	25	08/05/97	SDRO045

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



Chain of Custody Record

8020 8/1/97

ALBUQUERQUE NEW MEXICO 87109
(505) 315-9964

1312 WEDGEWOOD
EL PASO, TEXAS 79925
(915) 593-6000

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

MELOUIADES ALAMIS
5111 LOCAL UNO
CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Project Manager / Contact: Jeff Gross

Telephone No. (505) 774-6643

Fax No. (505) 774-6624

Project Name / Number: JICARILLA PIT CLOSURES

Contract / Purchase Order / Quote

Client: Apache Corporation

Address: 304 N. Behrend

City / State / Zip: Farmington, NM 87401

Project Name / Number: JICARILLA PIT CLOSURES

Contract / Purchase Order / Quote

Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation Temp.	Chemical
DIA A151 Cell #1	7-31-97	9:00	Soil	402 glass	4°C	ICE
OIB "	"	"	"	"	"	"

Received by: Signature: <i>John M. Smith</i> Printed: John M. Smith Company: Apache Corp. Reason:	Relinquished by: Signature: <i>John M. Smith</i> Printed: John M. Smith Company: Apache Corp. Reason:
---	---

Date: 8/1/97 Time: 8:45 AM	Date: 8/1/97 Time: 7:30 PM
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No. of Containers: BTEX (mod. 805)	Analysis Required	Remarks
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After analysis, samples are to be:

☐ Disposed of (additional fee)

☐ Stored (30 days max)

☐ Stored over 30 days (additional fee)

☐ Returned to customer