

Dis. # 111
1000 Rio Brazos Rd
Albuquerque, NM 87101
DEPT. OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL & 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

APR 10 1998

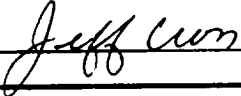
OIL CONSERVATION DIVISION
2040 S. PACHECO
Santa Fe, New Mexico 87505

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 # 27	Pit #2
Location: Unit or Qtr/Qtr Sec		I	Sec 24 T 24 N R 4W County Rio Arriba
Pit Type: Separator: _____		Dehydrator: _____	Other: Blow Pit
Land Type: _____		Jicarilla Tribal	
BEGIN			
Pit Location: END Pit Dimensions:		Length 12'	Width 12' Depth 6'
(Attach diagram)			
Reference:		Wellhead X	Other: _____
Footage from reference:		135'	
Direction from reference:		285 Degrees	East North X
		XX West	South
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) 0
high water elevation of			
groundwater)			
Wellhead Protection Area:			
(Less than 200 feet from a private		Yes	(20 points) _____
domestic water source, or; less than		No	(0 points) 0
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	

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

Date Remediation Started:		<u>10/18/95</u>	Date Completed:		<u>6/19/97</u>
Remediation Method: (Check all appropriate sections)		Excavation <u>XXX</u>	Approx. cubic yards		<u>50</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>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>10/18/95</u>	Sample Time	<u>10:50 A.M.</u>	
	Sample results				
	Benzene	(ppm)	<u>ND</u>		
	Total BTEX	(ppm)	<u>ND</u>		
	Field Headspace	(ppm)	<u>14.08</u>		
	TPH		<u>1100</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		<u></u>	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

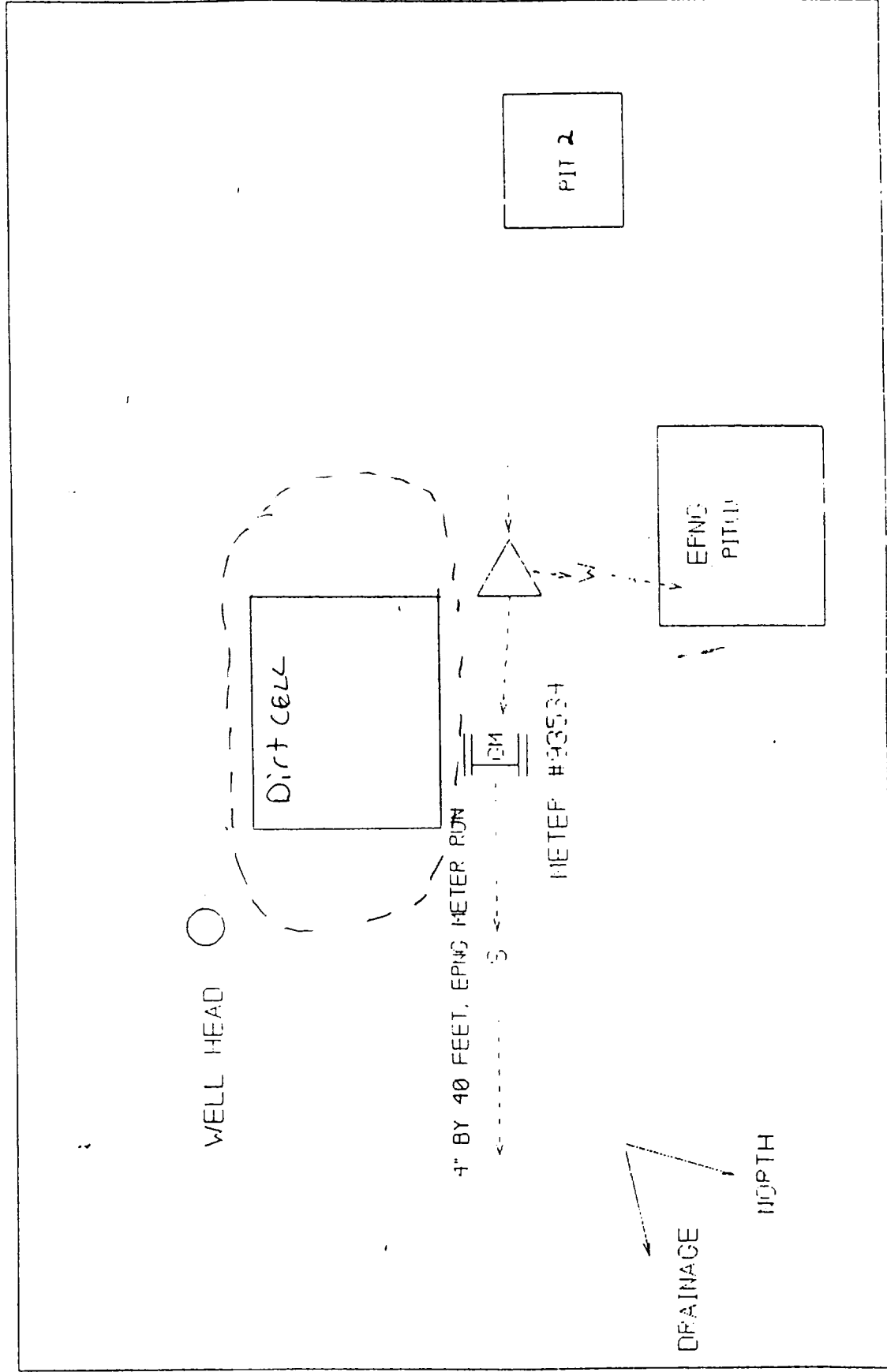
Operator: <u>APACHE CORPORATION</u>		Telephone <u>505-325-0318</u>	
Address: <u>304 N. BEHREND, FARMINGTON, N.M. 84701</u>			
Facility or Well Name: <u>APACHE # 27</u>		PIT # <u>2</u>	
Location:	Unit or Qtr/Qtr	Sec <u>I</u>	SEC 24 T 24N R 4W County <u>RIO ARRIBA</u>
Pit Type:	Separator: <u> </u>	Dehydrator <u> </u>	Other <u>BLOW PIT</u>
Land Type: <u>JIC. TRIBAL</u>			
Pit Location: Pit Dimensions: Length <u>12'</u> Width <u>12'</u> Depth <u>6'</u>			
(Attach diagram)			
Reference:		Wellhead <u>XXX</u>	Other <u> </u>
Footage from reference:		<u>135'</u>	
Direction from reference:		<u>285</u> Degrees	East North <u>X</u>
		<u>XX</u> West	of South <u> </u>
Depth To Groundwater:		Less than 50 feet	(20 points) <u> </u>
(vertical distance from		50 feet to 99 feet	(10 points) <u> </u>
contaminants to seasonal		Greater than 100 feet	(0 points) <u>0</u>
high water elevation of			
groundwater)			
Distance to an Ephemeral Stream:		Less than 100 feet	(10 points) <u> </u>
(Downgradient dry wash greater than		Greater than 100 feet	(0 points) <u>0</u>
ten feet in width			
Distance to Nearest Lake, Playa, or Watering Pond:		Less than 100 feet	(10 points) <u> </u>
(Downgradient lakes, playas and		Greater than 100 feet	(0 points) <u>0</u>
livestock or wildlife watering ponds)			
Wellhead Protection Area:		Yes	(20 points) <u> </u>
(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 100 feet	(20 points) <u> </u>
(Horizontal distance to perennial		100 feet to 1000 feet	(10 points) <u> </u>
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>10/18/95</u>		Date Completed:		<u>6/19/97</u>	
Remediation Method: (Check all appropriate sections)		Excavation <u>XXX</u>		Approx. cubic yards		<u>50</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. 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>10/18/95</u>		Sample Time		<u>10:50AM</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>14.08</u>		Ethylbenzene	(ppb)	<u>NA</u>
	TPH	(ppm)	<u>1100</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>Ken C. Mammill</u>		DATE: <u>9-2-97</u>			

- Spread & SEED
AREA

PIT #1

APACHE
APACHE NUMBER 27
SECTION 24, TOWNSHIP 24N, RANGE 4W
RIO ARRIBA COUNTY, NM



APACHE CORPORATION FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

JICARILLA APACHE TRIBAL EPO
REVIEW AND APPROVAL

LOCATION: APACHE 27

EPO REPRESENTATIVE K.C.

PIT COUNT: 2

DATE OF REVIEW: 11/29/95

		EXCAVATION						
DIMENSIONS		START		FINISH				CU.YDS.
	W'	L'	D'		W'	L'	D'	
PIT 1	24'	21'	5.5'	PIT 1	24'	21'	10'	55.0
PIT 2	12'	12'	2'	PIT 2	12'	12'	6'	50.0
PIT 3				PIT 3				
DATE: 10/18/95		PIT 1@ 10'	PIT 2@ 06'	PIT 3@	DATE: 11/29/95	PIT 1@ 10'	PIT 2@	PIT 3@
P. I. D.	CENTER	568.0	33.8		P. I. D.	CENTER	69.3	
	NW CORNER	6.7	4.1			NW CORNER	2.1	
	NE CORNER	314.0	4.8			NE CORNER	21.6	
	SW CORNER	34.1	13.7			SW CORNER	12.1	
	SE CORNER	60.0	14.0			SE CORNER	17.3	

NOTES:

10/18/95 PIT 1 - Excavate to 10', staining and odor to 9'. Spread soil for remediation. Elevated PID reading in center.
PIT 2 - Excavate to 6', no evidence of contamination.

11/29/95 PIT 1 - Re-sample due to high PID reading 10/18/95.

SOIL SAMPLING

DATE: 10/18/95		PIT 1@ 10'	PIT 2@ 06'	PIT 3@	ANALYSIS RESULTS			PER LAB:	ASSAIGAI
P. I. D.	CENTER	568.0	33.8		PIT	TPH	BTEX	WITNESS	DATE
	NW CORNER	6.7	4.1		NO.				
	NE CORNER	314.0	4.8		1	27.0	ND	IF&S	10/18/95
	SW CORNER	34.1	13.7		2	1100.0	ND	IF&S	10/18/95
	SE CORNER	60.0	14.0						

RE-SAMPLE OR CELL(S) SAMPLE

RE-SAMPLE OR CELL(S) SAMPLE									
DATE: 11/29/95		PIT 1@ 10'	PIT 2@	PIT 3@	ANALYSIS RESULTS		PER LAB:	ASSAIGAI	
P. I. D.	CENTER	69.3			PIT	TPH	BTEX	WITNESS	DATE
	NW CORNER	2.1			NO.				
	NE CORNER	21.6			1	27.0	ND	JDT	11/29/95
	SW CORNER	12.1							
	SE CORNER	17.3							

RE-SAMPLE OR CELL(S) SAMPLE

RE-SAMPLE OR CELL(S) SAMPLE									
DATE:		PIT 1@	PIT 2@	PIT 3@	ANALYSIS RESULTS		PER LAB:		
P. I. D.	CENTER				PIT	TPH	BTEX	WITNESS	DATE
	NW CORNER				NO.				
	NE CORNER								
	SW CORNER								
	SE CORNER								

11-29-95 KCM

Date: 10/18/95				Well Number: 27		Proj. Number: 95017	
Date Start: 10/18/95				Number of Pits: 2		Date Finished: 10/18/95	
DIMENSIONS & YARDAGE							
1	Type:	H	x	C	Dimensions Pit 1 Start:	24' x 21' x 5.5'	Dimensions Pit 1 Finished: 24' x 21' x 10'
2	Type:	H		C x	Dimensions Pit 2 Start:	12' x 12' x 2'	Dimensions Pit 2 Finished: 12' x 12' x 6'
3	Type:	H		C	Dimensions Pit 3 Start:		Dimensions Pit 3 Finished:
Total Cu. Yards Removed:						105	Total Liquids Removed: 0 bbls.

TPH & BTEX ANALYSIS

[illegible]

Notes:

PID READINGS					Site Number: 27
Date	Pit No.	Interval (Depth)	Location	Reading (ppm)	Notes:
10/18/95	2	6'	Center	33.8	Starting depth 2 feet. Excavated down 3-4 feet, placed dirt adjacent to the pit. No visible discoloration observed. Soils consist of a light brown loose sand. Given PID readings, excavation was terminated and the pit sampled.
10/18/95	2	6'	Bottom, N.W. Corner	4.1	
10/18/95	2	6'	Bottom, N.E. Corner	4.8	
10/18/95	2	6'	Bottom, S.W. Corner	13.7	
10/18/95	2	6'	Bottom, S.E. Corner	14.0	
10/18/95	1	10'	Center	568	Starting depth: 5.5 feet. Excavated 1 foot encountered a dark gray/black sand which transitioned back to dark gray within 2 feet of the bottom of the excavation. Staining darkens back in the center approximately 6 feet in diameter. Staining changed to light gray at 10 feet, took PID readings, samples and fluffed and rolled the bottom 2 feet.
10/18/95	1	10'	Bottom, N.W. Corner	6.7	
10/18/95	1	10'	Bottom, N.E. Corner	314	
10/18/95	1	10'	Bottom, S.W. Corner	34.1	
10/18/95	1	10'	Bottom, S.E. Corner	60.0	
11/29/95	1	10'	Center	69.3	
			N.W.	2.1	
			N.E.	21.6	
			S.W.	12.1	
			S.E.	17.3	

Lab ID: 9512029-14A
Sample ID: AP #27-H *pit #1*

Collected: 11/29/95 15:01:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A	ND	mg/Kg	0.0010	500	12/06/95	SBTXME093
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: 9512029-14B
Sample ID: AP #27-H *pit #1*

Collected: 11/29/95 15:01:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M	27	mg/Kg	5.0	5.0	12/07/95	SLFTD053
Diesel	12/05/95	N/A				
HCs DSL XT/CAL DHS 8015M						

3

Lab ID: 9510268-05A
Sample ID: AP ~~#127-C~~ *pit #2*

Collected: 10/18/95 10:50:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A	ND*	mg/Kg	0.0010	5.0	11/02/95	SGCVOA141
Benzene	ND*	mg/Kg	0.0010	5.0	11/02/95	SGCVOA141
Toluene	ND*	mg/Kg	0.0010	5.0	11/02/95	SGCVOA141
Ethylbenzene	ND*	mg/Kg	0.0010	5.0	11/02/95	SGCVOA141
P-&m-Xylene	ND*	mg/Kg	0.0010	5.0	11/02/95	SGCVOA141
O-Xylene	ND*	mg/Kg	0.0010	5.0	11/02/95	SGCVOA141

Lab ID: 9510268-05B
Sample ID: AP ~~#127-C~~ *pit #2*

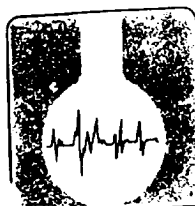
Collected: 10/18/95 10:50:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M	1100	mg/Kg	5.0	50	11/07/95	SLFTD049
Diesel	11/01/95	N/A				
DSL XT/CAL DHS 8015M						

Lab ID: 9510268-06A
Sample ID: AP #130-H

Collected: 10/19/95 14:50:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
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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:
November 14, 1995 10:25

CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE

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

WORKORDER # : 9510268
WORK ID : PIT REMEDIATION
CLIENT CODE : APA01
DATE RECEIVED : 10/31/95

ATTN: JOHN TAYLOR

Page: 1

Lab ID: 9510268-01A
Sample ID: AP #27-H

Pit #1

Collected: 10/18/95 13:20:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A	ND*	mg/Kg	0.0010	5.0	11/02/95	SGCVOA141
Benzene	ND*	mg/Kg	0.0010	5.0	11/02/95	SGCVOA141
Toluene	ND*	mg/Kg	0.0010	5.0	11/02/95	SGCVOA141
Ethylbenzene	ND*	mg/Kg	0.0010	5.0	11/02/95	SGCVOA141
P-&m-Xylene	ND*	mg/Kg	0.0010	5.0	11/02/95	SGCVOA141
O-Xylene	ND*	mg/Kg	0.0010	5.0	11/02/95	SGCVOA141

Lab ID: 9510268-01B
Sample ID: AP #27-H

Pit #1

Collected: 10/18/95 13:20:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCS DIESEL/CAL DHS 8015M	27	mg/Kg	5.0	5.0	11/07/95	SLFTD049
Diesel	11/01/95	N/A				
HCS DSL XT/CAL DHS 8015M						

Lab ID: 9510268-02A
Sample ID: AP #105-H

Collected: 10/11/95 14:20:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A	ND*	mg/Kg	0.0010	5000	11/04/95	SGCVOA142
Benzene	5.2*	mg/Kg	0.0010	5000	11/04/95	SGCVOA142
Toluene	7.0*	mg/Kg	0.0010	5000	11/04/95	SGCVOA142
Ethylbenzene	58*	mg/Kg	0.0010	5000	11/04/95	SGCVOA142
P-&m-Xylene	17*	mg/Kg	0.0010	5000	11/04/95	SGCVOA142
O-Xylene						



Chain of Custody Record

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

**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

Page _____ of _____

Project Manager / Contact Mr. Dyer

Telephone No. 503-225-1318

Fax No. (05) 55-1555

Samplers: (Signature)

Contract / Purchase Order / Quote

[illegible]

30. Published by:

Signature _____

Printed _____

Reason:

Method of Shipment:

Shipment No.

Special Instructions:

Date _____

14

Time

1

1

Printed Reason *f*

8

Rollingquished by:

Signature _____

[illegible]

Comments:

11

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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 # 27</u>	
Location: Unit or Qtr/Qtr Sec <u>I</u> Sec <u>24</u> T <u>24N</u> R <u>4W</u> County <u>RIO ARRIBA</u>	
Land Type <u>JIC. TRIBAL</u>	
Date Remediation Started: <u>10/18/95</u> Date Completed: <u>6/19/97</u>	
Remediation Method: Landfarmed <u>XXX</u> Approx. cubic yards <u>110</u>	
Composted <u> </u>	
Other <u> </u>	
Depth to Groundwater: (pts) <u>0</u>	Final Closure Sampling Sampling Date: <u>6/19/97</u> Time: <u>1:00PM</u> Sample Results: Field Headspace (ppm) <u>0.4</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>Kenneth M. ...</u>	DATE: <u>9-2-97</u>

APACHE CORPORATION/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE APACHE # 27

* AMOUNT OF SOIL UNDERGOING REMEDIATION 110 Yds.

CELL No. <u>#1</u>	SampDATE 6/19/97	TPH ND	BTEX ND
DIMENSIONS(LxWxH) <u>50' L X 40' W X 18" H</u>			
CELL LOCATION (dir. from well head) <u>NORTHWEST</u>			
* DATE BEGAN: <u>10/18/95</u>			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm) <u>6/19/97</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)			
6/17/97 TREAT WITH 46-0-0 FERTILIZER, WATER AND TILL SOIL.			

From excavation reports.

WELL NAME:

Apache # 27

SAMPLE DATE:

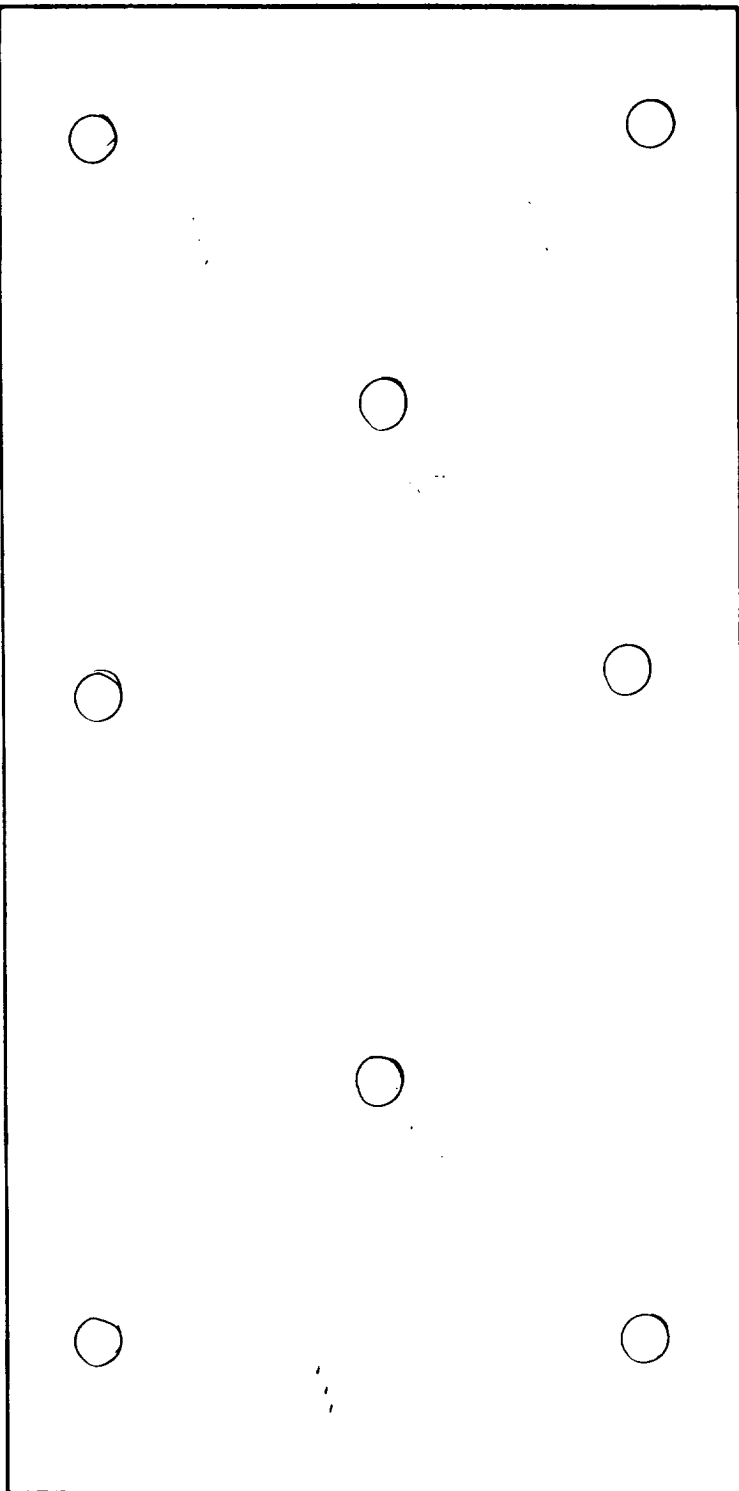
6-19-97

DIMENSIONS:

50' L x 40' W x 18" H



= SAMPLE AREA

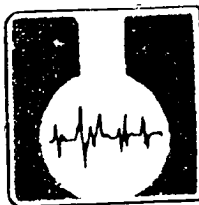


NOTES:

ALL SAMPLES TAKEN 10" TO 12" INTO CELL.

8 point composite sample

Composite PID Reading. 0.4 ppm.



**ASSAIGAI
ANALYTICAL
LABORATORIES, INC.**

JUL 21 1997

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:
June 30, 1997 16:01

**CERTIFICATE OF ANALYSIS
RESULTS BY SAMPLE**

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

WORKORDER # : 9706223
WORK ID : JICARILLA PIT CLOSURES
CLIENT CODE : APA01
DATE RECEIVED : 06/23/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9706223-01A
Sample ID: APACHE #27 CELL

Collected: 06/19/97 13:00:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A	ND	mg/kg	0.0050	100	06/24/97	SBTXME172
Benzene	ND	mg/kg	0.0050	100	06/24/97	SBTXME172
Toluene	ND	mg/kg	0.0050	100	06/24/97	SBTXME172
Ethylbenzene	ND	mg/kg	0.010	100	06/24/97	SBTXME172
P-&m-Xylene	ND	mg/kg	0.0050	100	06/24/97	SBTXME172
O-Xylene						

Lab ID: 9706223-01B
Sample ID: APACHE #27 CELL

Collected: 06/19/97 13:00:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015	ND	mg/Kg	50	25	06/28/97	SDR0037
Diesel Range OG in Soil						


For William P. Biava
President



WORKORDER COMMENTS

DATE : 06/30/97
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



7300 JEFFERSON, N.E.
ALBUQUERQUE, NEW MEXICO 871
(505) 345-891

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

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

MELQUIADES ALANIS

CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Telephone No. (505) 774-6643

Fax No. (505) 774-6624

Samplers: (Signature) [Signature]

Contract / Purchase Order / Quote

[illegible]

Date	6/12/17
Time	3:00 PM
Received by:	William Dyer
Signature	William Dyer
Printed	William Dyer
Company	APAC
Reason	

After analysis, samples are to be:

☐ Disposed of (additional fee)

☐ Stored (30 days max)

☐ Stored over 30 days (additional fee)

☐ Returned to customer

LABORATORY