

APR 10 1998

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 # 134

Location: Unit or Qtr/Qtr Sec K Sec 10 T 24 N R 4W County Rio Arriba

Pit Type: Separator: _____ Dehydrator _____ Other BLOW PIT

Land Type: Jicarilla Tribal

BEGINNING DIMENSIONS
Pit Location: END Pit Dimensions: Length 21' 33' Width 33' 33' Depth 3' 10'
(Attach diagram)
Reference: Wellhead X Other _____
Footage from reference: 140'
Direction from reference: 120 Degrees XX East North
West of South X

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)

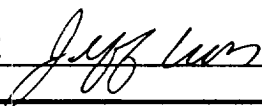
Wellhead Protection Area: Yes (20 points) _____
(Less than 200 feet from a private No (0 points) 0
domestic water source, or; less than
1000 feet from all other water sources)

RECEIVED
DEC 10 1997

OIL CON. DIV.
DIST. 3

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>9/9/95</u>	Date Completed:		<u>6/24/97</u>
Remediation Method: (Check all appropriate sections)		Excavatio	<u>XXX</u>	Approx. cubic yards	<u>326</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>6:00 P.M.</u>
Sample results					
Benzene		(ppm)	<u>ND</u>		
Total BTEX		(ppm)	<u>ND</u>		
Field Headspace		(ppm)	<u>10.84</u>		
TPH			<u>230</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 # 134</u>			
Location:	Unit or Qtr/Qtr Sec	<u>K</u> <u>SEC 10</u> <u>T 24N</u> <u>R 4W</u>	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: (Attach diagram)	Pit Dimensions:	Length <u>33'</u>	Width <u>33'</u>	Depth <u>10'</u>
	Reference:	Wellhead <u>XXX</u>	Other <u> </u>	
	Footage from reference:	<u>140'</u>		
	Direction from reference:	<u>120</u> Degrees	<u>XX</u> East	North <u> </u>
			<u> </u> West	South <u>X</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: 9/9/95 Date Completed: 6/24/97

Remediation Method: Excavation XXX Approx. cubic yards 326
(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 6:00 Pm.
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>10.84</u>		Ethylbenzene	(ppb)	<u>NA</u>
	TPH	(ppm)	<u>230</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.

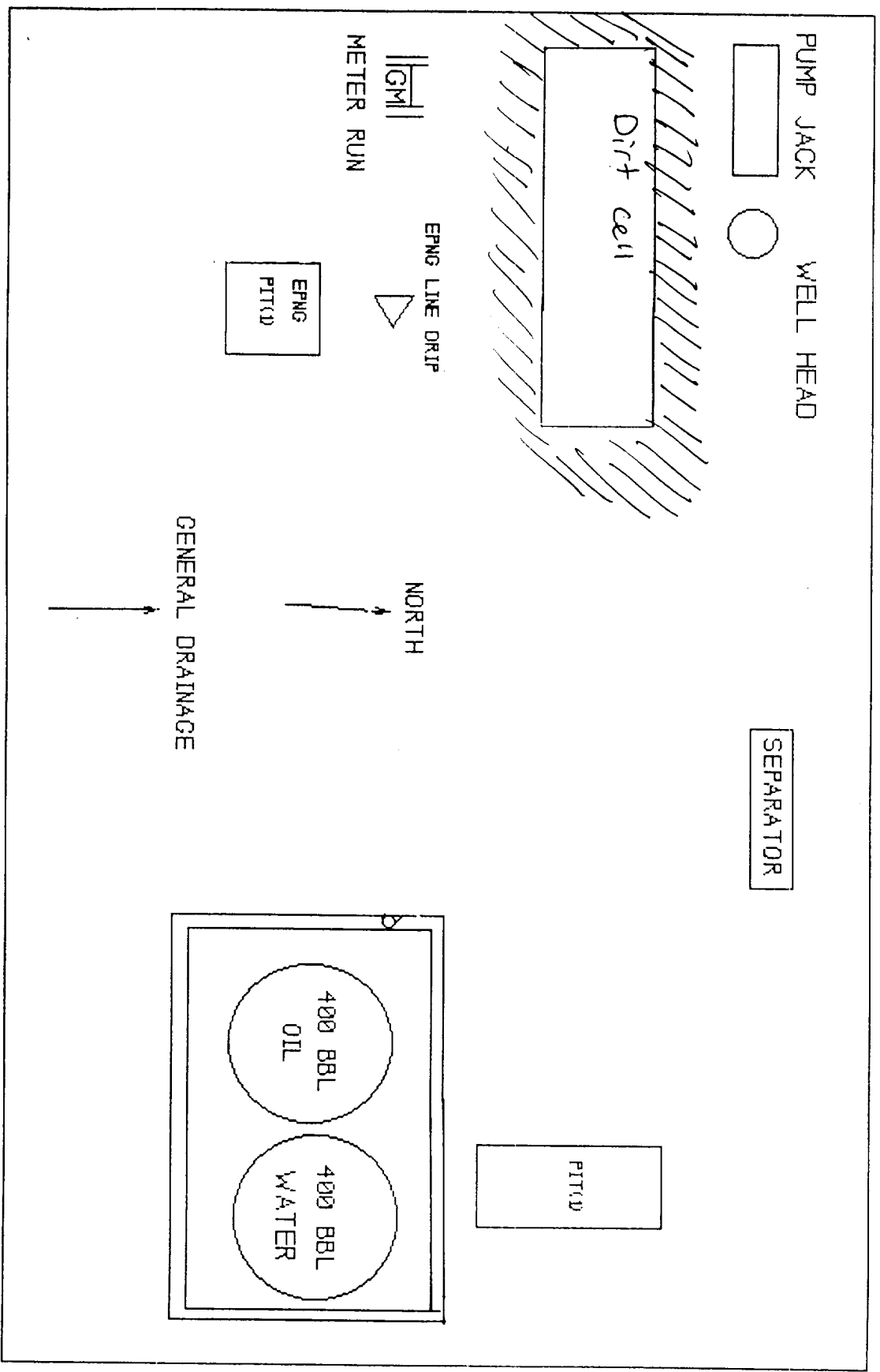
APPROVED: YES X NO _____ (REASON) _____

SIGNED: Keith Mamm DATE: 9-2-97

//// = Spread Area

APACHE CORPORATION
 APACHE NUMBER 134 Lease # JAT 127
 NE/4 SW/4 (K)
 SECTION 10, T24N-R4W,
 RIO ARriba COUNTY, NM

Revised 6/1/97 MG



APACHE CORPORATION FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

JICARILLA APACHE TRIBAL EPO
REVIEW AND APPROVAL

LOCATION: APACHE 134
PIT COUNT: 1

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

		EXCAVATION						
DIMENSIONS		START		FINISH				
	W'	L'	D'		W'	L'	D'	CU.YDS.
PIT 1	33'	21'	3'	PIT 1	33'	33'	10'	326.0
PIT 2				PIT 2				
PIT 3				PIT 3				
DATE: 09/09/95		PIT 1@ 10'	PIT 2@	PIT 3@	DATE: 09/15/95	PIT 1@ 10'	PIT 2@	PIT 3@
P. I. D.	CENTER	120.0			P. I. D.	CENTER	27.1	
	NW CORNER	20.7				NW CORNER		
	NE CORNER	51.1				NE CORNER		
	SW CORNER	65.7				SW CORNER		
	SE CORNER	191.0				SE CORNER	27.1	

NOTES:

09/09/95 Excavate to 10', staining to 7.5' w/slight odor.

SOIL SAMPLING								
DATE: 09/09/95		PIT 1@ 10'	PIT 2@	PIT 3@	ANALYSIS RESULTS		PER LAB:	ASSAIGAI
P.	CENTER	120.0			PIT NO.	TPH	BTEX	WITNESS DATE
I.	NW CORNER	20.7			1	530.0	130.0	IF&S 09/09/95
D.	NE CORNER	51.1						
	SW CORNER	65.7						
	SE CORNER	191.0						

RE-SAMPLE OR CELL(S) SAMPLE

DATE: 09/15/95		PIT 1@ 10'	PIT 2@	PIT 3@	ANALYSIS RESULTS		PER LAB:	ASSAIGAI
P.	CENTER	27.1			PIT NO.	TPH	BTEX	WITNESS DATE
I.	NW CORNER				1	230.0	ND	JDT 09/15/95
D.	NE CORNER							
	SW CORNER							
	SE CORNER	27.1						

RE-SAMPLE OR CELL(S) SAMPLE

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

TPH & BTEX ANALYSIS

Notes:

PID READINGS						Site Number: 134
Date	Pit No.	Interval (Depth)	Location	Reading (ppm)	Notes:	
09/09/95	1	7'	Center	1260	Starting depth, 3 feet. Excavated to 7 feet and took PID readings.	
09/09/95	1	7'	Bottom, N.W. Corner	398		
09/09/95	1	7'	Bottom, N.E. Corner	563		
09/09/95	1	7'	Bottom, S.W. Corner	192		
09/09/95	1	7'	Bottom, S.E. Corner	1294		
09/09/95	1	10'	Center	120	Excavate to 10', took PID readings.	
09/09/95	1	10'	Bottom, N.W. Corner	20.7		
09/09/95	1	10'	Bottom, N.E. Corner	51.1		
09/09/95	1	10'	Bottom, S.W. Corner	65.7		
09/09/95	1	10'	Bottom, S.E. Corner	191		
09/15/95	1	10'	Composite	27.1	PID reading of sample before sending to lab.	

ab ID: 9509143-23A
Sample ID: AP# 126

Collected: 09/15/95 17:30:00
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
Toluene	ND	mg/Kg	0.0010	250	09/25/95	SBTXME077
Ethylbenzene	0.47	mg/Kg	0.0010	250	09/25/95	SBTXME077
P-&m-Xylene	1.2	mg/Kg	0.0010	250	09/25/95	SBTXME077
O-Xylene	ND	mg/Kg	0.0010	250	09/25/95	SBTXME077

Lab ID: 9509143-23B
Sample ID: AP# 126

Collected: 09/15/95 17:30:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M						
Diesel	1700	mg/Kg	5.0	80	09/26/95	SLFTD45
HCs DSL XT/CAL DHS 8015M	09/20/95	N/A				

Lab ID: 9509143-24A
Sample ID: AP# 134

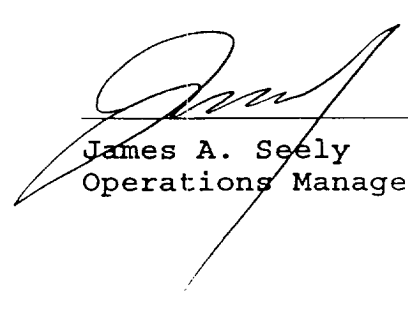
Collected: 09/15/95 18:00:00
Matrix: SOIL

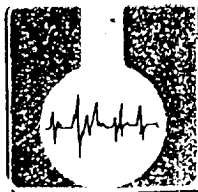
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	250	09/25/95	SBTXME077
Toluene	ND	mg/Kg	0.0010	250	09/25/95	SBTXME077
Ethylbenzene	ND	mg/Kg	0.0010	250	09/25/95	SBTXME077
P-&m-Xylene	ND	mg/Kg	0.0010	250	09/25/95	SBTXME077
O-Xylene	ND	mg/Kg	0.0010	250	09/25/95	SBTXME077

Lab ID: 9509143-24B
Sample ID: AP# 134

Collected: 09/15/95 18:00:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M						
Diesel	230	mg/Kg	5.0	5.0	09/25/95	SLFTD45
HCs DSL XT/CAL DHS 8015M	09/20/95	N/A				


James A. Seely
Operations Manager



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:
October 2, 1995 12:40

CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE

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

WORKORDER # : 9509145
WORK ID : PIT REMEDIATION - 95017
CLIENT CODE : APA01
DATE RECEIVED : 09/18/95

ATTN: JOHN TAYLOR

Page: 1

Lab ID: 9509145-01A
Sample ID: AP# 126

Collected: 09/09/95 08:50:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	1000	09/20/95	SBTXME074
Toluene	ND	mg/Kg	0.0010	1000	09/20/95	SBTXME074
Ethylbenzene	ND	mg/Kg	0.0010	1000	09/20/95	SBTXME074
P-&m-Xylene	ND	mg/Kg	0.0010	1000	09/20/95	SBTXME074
O-Xylene	ND	mg/Kg	0.0010	1000	09/20/95	SBTXME074

Lab ID: 9509145-01B
Sample ID: AP# 126

Collected: 09/09/95 08:50:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M						
Diesel	1000	mg/Kg	5.0	50	09/27/95	SLFTD46
HCs DSL XT/CAL DHS 8015M	09/21/95	N/A				

Lab ID: 9509145-02A
Sample ID: AP# 134

Collected: 09/09/95 11:13:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	25000	09/21/95	SBTXME075
Toluene	ND	mg/Kg	0.0010	25000	09/21/95	SBTXME075
Ethylbenzene	ND	mg/Kg	0.0010	25000	09/21/95	SBTXME075
P-&m-Xylene	130	mg/Kg	0.0010	25000	09/21/95	SBTXME075
O-Xylene	ND	mg/Kg	0.0010	25000	09/21/95	SBTXME075



Lab ID: 9509145-02B
Sample ID: AP# 134

Collected: 09/09/95 11:13:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M	530	mg/Kg	5.0	50	09/27/95	SLFTD46
Diesel	09/21/95	N/A				
HCs DSL XT/CAL DHS 8015M						

Lab ID: 9509145-03A
Sample ID: AP# 22H

Collected: 09/09/95 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	5.0	09/20/95	SBTXME074
Toluene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Ethylbenzene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
P-&m-Xylene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
O-Xylene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074

Lab ID: 9509145-03B
Sample ID: AP# 22H

Collected: 09/09/95 14:55:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M	ND	mg/Kg	5.0	1.0	09/27/95	SLFTD46
Diesel	09/21/95	N/A				
HCs DSL XT/CAL DHS 8015M						

Lab ID: 9509145-04A
Sample ID: AP# 22-SC

Collected: 09/09/95 16:25:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Toluene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Ethylbenzene	0.0095	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
P-&m-Xylene	0.010	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
O-Xylene	0.012	mg/Kg	0.0010	5.0	09/20/95	SBTXME074

Lab ID: 9509145-04B
Sample ID: AP# 22-SC

Collected: 09/09/95 16:25:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M	1200	mg/Kg	5.0	100	09/27/95	SLFTD46
Diesel	09/21/95	N/A				
HCs DSL XT/CAL DHS 8015M						



7300 JEFFERSON, N.E.
ALBUQUERQUE, NEW MEXICO 874
(505) 345-8964

Date _____

MELQUIADES ALANIS

6411 LOCAL UNO
CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

6411 LOCAL UNO

MELQUIADES ALANIS

6411 LOCAL UNO
CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

[illegible]

Received by:	Relinquished by:
Signature <u>[Signature]</u>	Signature <u>[Signature]</u>
Printed <u>C. J. [unclear]</u>	Printed <u>E. W. [unclear]</u>
Company <u>NAL</u>	Company <u>NAL</u>
Reason _____	Reason _____

Comments:

COURIER

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 # 134</u>			
Location: Unit or Qtr/Qtr Sec <u>K</u>		Sec <u>10</u> T <u>24N</u> R <u>4W</u> County <u>RIO ARRIBA</u>	
Land Type <u>JIC. TRIBAL</u>			
Date Remediation Started: <u>9/9/95</u>		Date Completed: <u>6/24/97</u>	
Remediation Method: Landfarmed <u>XXX</u>		Approx. cubic yards <u>326</u>	
Composted <u> </u>			
Other <u> </u>			
Depth to Groundwater: (pts) <u>0</u>		Final Closure Sampling Sampling Date: <u>6/24/97</u> Time: <u>9:30AM</u> Sample Results: Field Headspace (ppm) <u>0.2</u> TPH (ppm) <u>2200</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>Kate C. Mann</u>		DATE: <u>9-2-97</u>	

APACHE CORPORATION/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE APACHE # 134

* AMOUNT OF SOIL UNDERGOING REMEDIATION 326 Yds.

CELL No. <u>#1</u>	SampDATE 6/24/97	TPH 2200	BTEX ND
DIMENSIONS(LxWxH) <u>100' L X60' W X 18" H</u>			
CELL LOCATION (dir. from well head) <u>SOUTH</u>			
* DATE BEGAN: <u>9/9/95</u>			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm) <u>6/24/97</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) _____			
REMEDICATION RECORD: (Date, Treatment, Tilling)			
5/27/97 TREAT WITH 46-0-0 FERTILIZER , WATER AND TILL SOIL.			

From excavation reports.

WELL NAME:

Apache #134

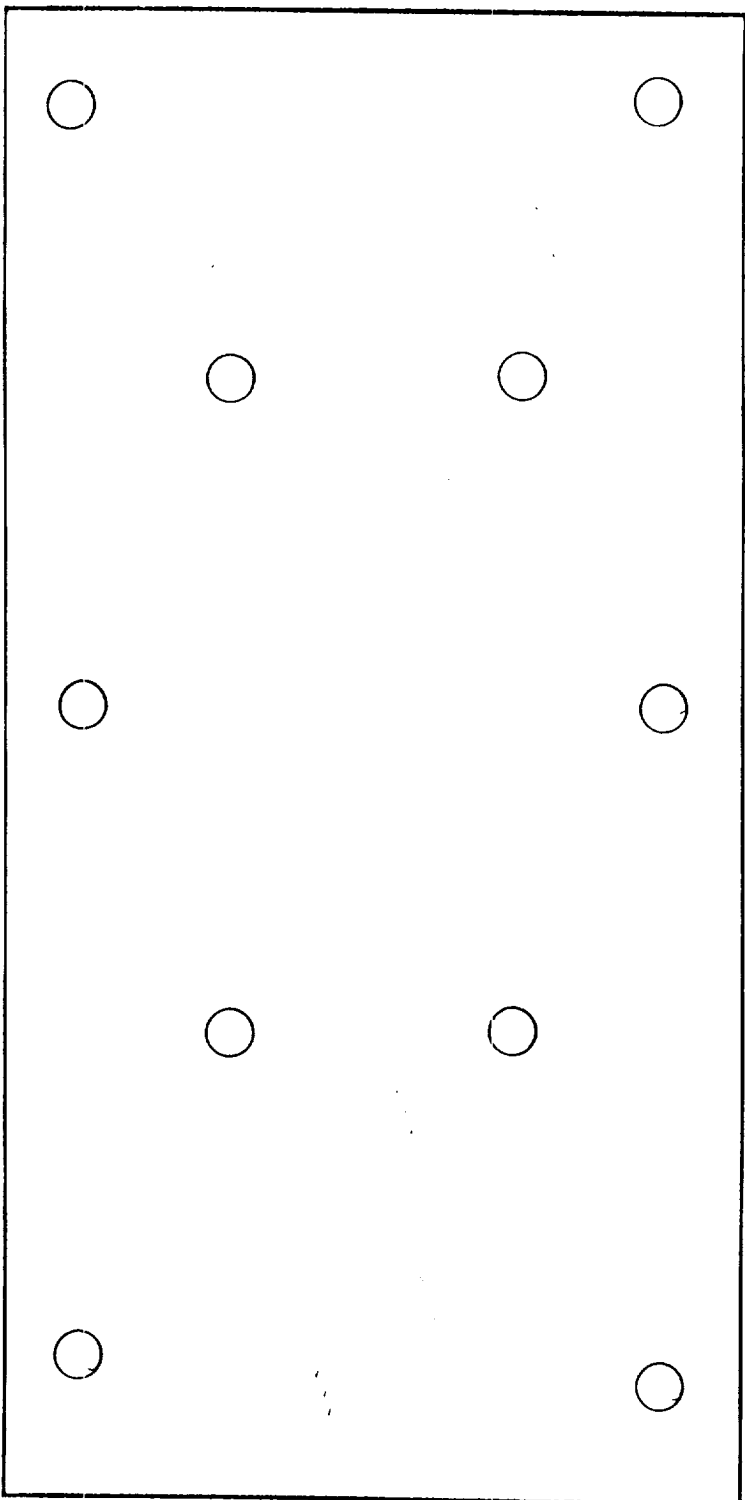
SAMPLE DATE:

6-24-97

DIMENSIONS:

106' x 60' x 18" H

 = SAMPLE AREA

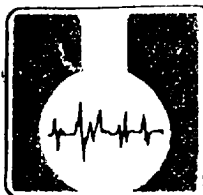


NOTES:

ALL SAMPLES TAKEN 10" TO 12" INTO CELL.

10 point composite Sample

PTO composite Reading 0.2 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:
July 7, 1997 15:48

**CERTIFICATE OF ANALYSIS
RESULTS BY SAMPLE**

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

WORKORDER # : 9706290
WORK ID : JICARILLA PIT CLOSURES
CLIENT CODE : APA01
DATE RECEIVED : 06/27/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9706290-01A
Sample ID: AP #134 CELL

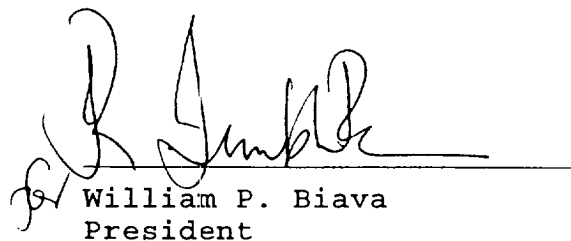
Collected: 06/24/97 09:30:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/kg	0.0050	100	06/30/97	SBTXME173
Toluene	ND	mg/kg	0.0050	100	06/30/97	SBTXME173
Ethylbenzene	ND	mg/kg	0.0050	100	06/30/97	SBTXME173
P-&m-Xylene	ND	mg/kg	0.010	100	06/30/97	SBTXME173
O-Xylene	ND	mg/kg	0.0050	100	06/30/97	SBTXME173

Lab ID: 9706290-01B
Sample ID: AP #134 CELL

Collected: 06/24/97 09:30:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015						
Diesel Range OG in Soil	2200	mg/Kg	50	25	07/01/97	SDRO39


William P. Biava
President



WORKORDER COMMENTS

DATE : 07/07/97
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

7300 JEFFERSON, N.E.
ALBUQUERQUE, NEW MEXICO 87105
(505) 343-8964

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

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

MELQUIADES ALANIS
6411 LOCAL UNO
CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Client Apache Corporation Project Manager / Contact Jeff Cross

Address 304 N. Behrend Telephone No. (505) 774-6643

City / State / Zip Farmington, NM 87401 Fax No. (505) 774-6624

Project Name / Number JICARILLA PIT CLOSURES Samplers: (Signature) John Muehling

Contract / Purchase Order / Quote _____

AAL FRACTION NUMBER	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation Temp.	Chemical
1A	AP# 134 Cell	6-27-97	12:30	Sol	402 Glass	ICE	
1B	1	1	1	1	1	1	
1C							
1D							
1E							
1F							
1G							
1H							
1I							
1J							
1K							
1L							
1M							
1N							
1O							
1P							
1Q							
1R							
1S							
1T							
1U							
1V							
1W							
1X							
1Y							
1Z							

No. of Containers BTEX (mod 805)

Analysis Required

Remarks

Relinquished by: Signature <u>Jeff Cross</u> Printed <u>Jeff Cross</u> Company <u>Apache Corp.</u> Reason _____	Date 6-27-97 Time 11:55	Received by: Signature <u>Scott Pratt</u> Printed <u>Scott Pratt</u> Company <u>ANL</u> Reason _____	Date 27 June Time 20:30	Relinquished by: Signature <u>Scott Pratt</u> Printed <u>Scott Pratt</u> Company <u>ANL</u> Reason _____	Date 27 June Time 20:30	Received by: Signature <u>Carla Rubio</u> Printed _____ Company _____ Reason _____
Method of Shipment: _____		After analysis, samples are to be:		Comments: _____		☐ Disposed of (additional fee) ☐ Stored (30 days max) ☐ Stored over 30 days (additional fee) ☐ Returned to customer
Shipment No. _____						
Special Instructions: _____						