

District III

1000 Rio Blvd.  
Aztec, NM 87410*Denny S. Faust*  
**DEPUTY OIL & GAS INSPECTOR**

State of New Mexico

Energy, Minerals and Natural Resources Department

JAN 27 1999

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

Submit 1 copy to

Appropriate District

and 1 copy to

Santa Fe Office

**RECEIVED**

AUG 24 1998

**OIL CON. DIV.****DIST. 3**  
**505-325-0318****PIT REMEDIATION AND CLOSURE REPORT**Operator: **Apache Corporation \ MW Petroleum**

Telephone:

Address: **2855 Southside River Road, Suite A, Farmington, NM 87401**

Facility or Well Name:

**Jic Apache Tribal 396 #6**

Location: Unit or Qtr/Qtr Sec

**NE/NW****Sec 17****T 23 N****R 3W**

County

**Rio Arriba**

Pit Type: Separator:

Dehydrator

Other

**Blow Pit**

Land Type:

**Jicarilla Tribal**

Beginning Pit Dimensions:

Length

**15'**

Width

**15'**

Depth

**4'**

Pit Location:

Ending Pit Dimensions:

Length

**20'**

Width

**20'**

Depth

**14'**

(Attach diagram)

Reference:

Wellhead

**XXX**

Other

Footage from reference:

**125'**

Direction from reference:

**248**

Degrees

East

North

of

**XX**

West

South

**X****Depth To Groundwater:**(vertical distance from  
contaminants to seasonal  
high water elevation of  
groundwater)

Less than 50 feet

(20 points)

50 feet to 99 feet

(10 points)

Greater than 100 feet

(0 points)

**0****Wellhead Protection Area:**(Less than 200 feet from a private  
domestic water source, or; less than  
1000 feet from all other water sources)

Yes

(20 points)

No

(0 points)

**0****Distance To Surface Water:**(Horizontal distance to perennial  
lakes, ponds, rivers, streams, creeks,  
irrigation canals and ditches)

Less than 200 feet

(20 points)

200 feet to 1000 feet

(10 points)

Greater than 1000 feet

(0 points)

**0**

RANKING SCORE (TOTAL POINTS)

**0**



<b>Date Remediation Started:</b>		<u>5/22/97</u>		<b>Date Completed:</b>		<u>5/30/97</u>	
<b>Remediation Method:</b> (Check all appropriate sections)		Excavation <u>XXX</u>		Approx. cubic yards		<u>207</u>	
		Landfarmed <u>XX</u>		Insitu Bioremediation			
		Other _____					
<b>Remediation Location:</b> (i.e. landfarmed onsite, name and location of offsite facility)		Onsite <u>XX</u>		Offsite _____			
<b>General Description of Remedial Action:</b>		<u>Excavate pit to 14', took PID readings. Spread soil on</u>					
		<u>location for remediation. Took soil samples.</u>					
<b>Groundwater Encountered:</b>		No <u>XX</u>		Yes _____		Depth _____	
<b>Final Pit:</b>		Sample location <u>4 point composite sample taken 8 to 10" into pit sidewalls,</u>					
<b>Closure Sampling:</b> (in multiple samples, attach sample results and diagram of sample locations and depths)		<u>Grab sample taken 10" into pit bottom center.</u>					
		Sample depth <u>14'</u>		<u>8 to 10" into pit sidewalls 10" into pit bottom</u>			
		Sample Date <u>5/30/97</u>		Sample Time		<u>12:30 PM</u>	
		Sample results					
		Benzene		(ppm)		<u>ND</u>	
		Total BTEX		(ppm)		<u>ND</u>	
		Field Headspace		(ppm)		<u>14.66</u>	
		TPH				<u>ND\Sides</u>	
						<u>ND\BTM</u>	
<b>Groundwater Sample:</b>		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.							
<b>DATE</b>		<u>August 10, 1998</u>		<b>PRINTED NAME</b>		<u>Jeff Cross</u>	
<b>SIGNATURE</b>		<u>Jeff Cross</u>		<b>AND TITLE</b>		<u>Project Manager</u>	



SARILLA 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>M W PETROLEUM</u>		Telephone <u>505-325-0318</u>	
Address: <u>304 N. BEHREND, FARMINGTON, N.M. 84701</u>			
Facility or Well Name: <u>JAT 396 # 6</u>			
Location:	Unit or Qtr/Qtr Sec	<u>NE\NW SEC 17</u>	T <u>23N</u> R <u>3W</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: Pit Dimensions: Length <u>20'</u> Width <u>20'</u> Depth <u>14'</u>			
(Attach diagram)			
Reference: Wellhead <u>XXX</u> Other <u>          </u>			
Footage from reference: <u>125'</u>			
Direction from reference: <u>248</u> Degrees <u>          </u> East <u>          </u> North <u>          </u>			
<u>XX</u> West <u>          </u> of South <u>X</u>			
<b>Depth To Groundwater:</b>		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)			
<b>Distance to an Ephemeral Stream:</b>		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			
<b>Distance to Nearest Lake, Playa, or Watering Pond:</b>		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)			
<b>Wellhead Protection Area:</b>		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)			
<b>Distance To Surface Water:</b>		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)			
		<b>RANKING SCORE (TOTAL POINTS)</b>	<u>0</u>



<b>Date Remediation Started:</b>		<u>5/22/97</u>		<b>Date Completed:</b>		<u>5-30-97</u>	
<b>Remediation Method:</b> (Check all appropriate sections)		Excavation <u>XXX</u>		Approx. cubic yards		<u>207</u>	
		Landfarmed <u>XX</u>		Insitu Bioremediation			
		Other _____					
<b>Remediation Location:</b> (i.e. landfarmed onsite, name and location of offsite facility)		Onsite <u>XX</u>		Offsite _____			
<b>General Description of Remedial Action:</b> <u>Excavate pit to 14', took PID readings. spread soil on location for remediation. Took soil samples.</u>							
<b>Groundwater Encountered:</b>		No <u>XXX</u>		Yes _____		Depth _____	
<b>Final Pit:</b>		Sample location <u>4 POINT COMPOSITE SAMPLE TAKEN 8 TO 10" INTO PIT</u>					
<b>Closure Sampling:</b> (in multiple samples, attach sample results and diagram of sample locations and depths)		<u>SIDEWALLS, GRAB SAMPLE TAKEN 10" INTO PIT BOTTOM CENTER.</u>					
		Sample depth <u>14'</u>		<u>8" to 10" into pit side walls, 10" into pit bottom.</u>			
		Sample Date <u>5/30/97</u>		Sample Time		<u>12:30PM</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>14.66</u>		Ethylbenzene	(ppb)	<u>NA</u>
	TPH	(ppm)	<u>ND-SIDES</u> <u>ND-BTM</u>		Total Xylenes	(ppb)	<u>NA</u>
<b>Groundwater Sample:</b>		Yes _____		No <u>XXX</u>		(If yes attach sample results)	
<b>I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.</b>							
<b>DATE</b>		<u>7-16-98</u>		<b>PRINTED NAME</b>		<u>JEFF CROSS</u>	
<b>SIGNATURE</b>		<u>Jeff Cross</u>		<b>AND TITLE</b>		<u>PROJECT MANAGER</u>	
<b>AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.</b>							
<b>APPROVED:</b>		YES <u>X</u>		NO _____		(REASON) _____	
<b>SIGNED:</b>		<u>Jeff Cross</u>		<b>DATE:</b>		<u>7-29-98</u>	



# M W PETROLEUM/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

LOCATION JAT 396 # 6

PIT COUNT 1

Jicarilla Apache Tribal EPO/OCD/BLM  
Review and Approval  
OCD—BLM  
EPO Representative  
Date of Review

Excavation								
DIMENSIONS			START: 5/22/97			FINISH: 5/30/97		
	W	L	D			W	L	D
Pit 1	15'	15'	4'	Pit 1		20'	20'	14'
Pit 2				Pit 2				
Pit 3				Pit 3				
		Pit 1 @ 8'	Pit 1 @ 10'	Pit 1 @		Pit 1 @ 14'	Pit 2 @	Pit 3 @
P	Center	2500+	560		P	Center	7.4	
I	NW Corner	2500+	200		I	NW Corner	10	
D	NE Corner	2500+	390		D	NE Corner	33	
	SW Corner	2500+	220			SW Corner	7.2	
	SE Corner	2500+	400			SE Corner	15.7	

NOTES:

5/22/97 START EXCAVATION ON PIT . LIGHT GRAY STAINING, HEAVY ODOR @ 4' BELOW PIT BOTTOM  
PID READINGS HIGH.

5/23/97 CONTINUE EXCAVATING PIT . LIGHT STAINING AND ODOR @ 10',PID READINGS STILL HIGH.

5/30/97 FINISH EXCAVATING PIT DOWN TO 14'. PID READINGS GOOD. DIGGING IN PIT WAS HARD (SANDSTONE  
5/30/97 TOOK SOIL SAMPLES AND SENT TO ASSAIGAI LABS.

## SOIL SAMPLING

DATE: 5/30/97		Pit 1 @ 14'	Pit 2 @	Pit 3 @	ANALYSIS RESULTS			PER LAB	ASSAIGAI
P I D	Center	7.4			PIT	TPH	BETEX	WITNESS	DATE
	NW Corner	10			NO	SIDE\BTM	SIDE\BTM		
	NE Corner	33			1	ND\ND	ND\ND	JEFF C.	6/9/97
	SW Corner	7.2			2				
	SE Corner	15.7			3				

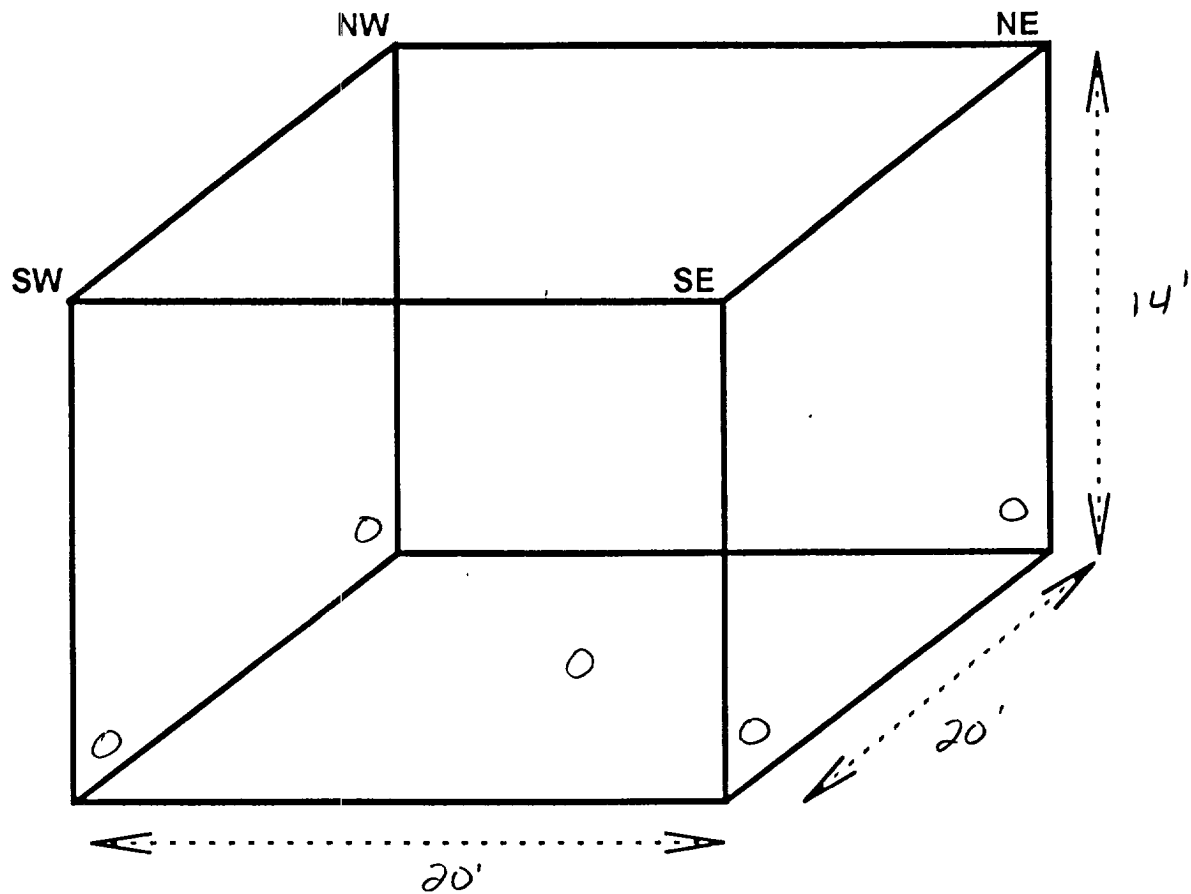
## RE-SAMPLE OR CELL(S) SAMPLE

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				

## 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				





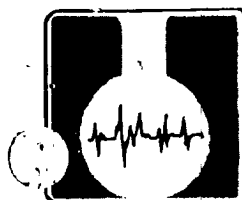
○ = SAMPLE AREA

WELL NAME JAT 396 #6

SAMPLE DATE 5-30-97

NOTES 4 POINT COMPOSITE SAMPLE TAKEN 8" TO 10" INTO PIT  
SIDEWALL  
1 POINT GRAB SAMPLE TAKEN 10" TO 12" INTO BOTTOM CENTER  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_





**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

JUN 24 1997

Report Generated:  
June 11, 1997 15:05

**CERTIFICATE OF ANALYSIS  
RESULTS BY SAMPLE**

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

WORKORDER # : 9706039  
WORK ID : JICARILLA PIT CLOSURES  
CLIENT CODE : APA01  
DATE RECEIVED : 06/04/97

ATTN: JEFF CROSS

Page: 1

**Lab ID:** 9706039-01A  
**Sample ID:** JAT 396 #6 PIT #1 SIDES

**Collected:** 05/30/97 12:30:00  
**Matrix:** SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	500	06/09/97	SBTXME167
Toluene	ND	mg/Kg	0.0010	500	06/09/97	SBTXME167
Ethylbenzene	ND	mg/Kg	0.0010	500	06/09/97	SBTXME167
P-&m-Xylene	ND	mg/Kg	0.0020	500	06/09/97	SBTXME167
O-Xylene	ND	mg/Kg	0.0010	500	06/09/97	SBTXME167

**Lab ID:** 9706039-01B  
**Sample ID:** JAT 396 #6 PIT #1 SIDES

**Collected:** 05/30/97 12:30:00  
**Matrix:** SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015						
Diesel Range OG in Soil	ND	mg/Kg	50	25	06/06/97	SDRO31

**Lab ID:** 9706039-02A  
**Sample ID:** JAT 396 #6 PIT #1 BOTTOM

**Collected:** 05/30/97 12:45:00  
**Matrix:** SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	500	06/09/97	SBTXME167
Toluene	ND	mg/Kg	0.0010	500	06/09/97	SBTXME167
Ethylbenzene	ND	mg/Kg	0.0010	500	06/09/97	SBTXME167
P-&m-Xylene	ND	mg/Kg	0.0020	500	06/09/97	SBTXME167
O-Xylene	ND	mg/Kg	0.0010	500	06/09/97	SBTXME167





JUN 24 1997

Page: 2

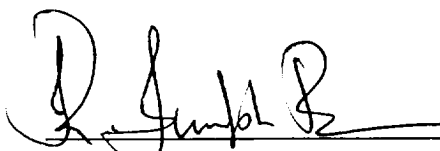
**ID:** 9706039-02B

**Sample ID:** JAT 396 #6 PIT #1 BOTTOM

**Collected:** 05/30/97 12:45:00

**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	50	25	06/06/97	SDRO31

  
for William P. Biava  
President



JUN 24 1997

## **WORKORDER COMMENTS**

DATE : 06/11/97  
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.

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### **REPORT COMMENTS**

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# Chain of Custody Record

ALBUQUERQUE, NEW MEXICO 87109  
(505) 345-8964

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

1910 N. 916 G  
MIDLAND, TEX 7705  
(915) 570-1116

Client Apache Corporation Project Manager / Contact Jeff Gross  
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) \_\_\_\_\_  
Contract / Purchase Order / Quote \_\_\_\_\_

Analysis Required  
Remarks  
No. of Containers  
BTX (mod. BAS)

Sample Number	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation Temp.	Chemical
1A	JAT 396 <sup>th</sup> P.I.P. 15.15.15	5-30-97	12:30	Sr./	402 Glass	4°C	ICE
1B	"	5-30-97	12:30				
2A	JAT 396 <sup>th</sup> P.I.P. 15.15.15	5-30-97	12:45				
2B	"	5-30-97	12:45				
3A							
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Relinquished by: Signature <u>John Mulin</u> Printed <u>John Mulin</u> Company <u>Apache Corp.</u> Reason _____	Received by: Signature <u>Elvin J. Gross</u> Printed <u>Elvin J. Gross</u> Company <u>AACT</u> Reason _____	Date <u>6/4/97</u> Time <u>8:30</u>	Relinquished by: Signature <u>Elvin J. Gross</u> Printed <u>Elvin J. Gross</u> Company <u>AACT</u> Reason _____	Received by: Signature <u>Elvin J. Gross</u> Printed <u>Elvin J. Gross</u> Company <u>AACT</u> Reason _____	Date <u>6/5/97</u> Time <u>8:00am</u>	Received by: Signature _____ Printed _____ Company _____ Reason _____	After analysis, samples are to be: <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
Method of Shipment: _____				Comments: _____			
Shipment No. _____				Special Instructions: _____			

LABORATORY



NORTH

GENERAL DRAINAGE

MW PETROLEUM  
JICARILLA TRIBAL 396 NUMBER 6  
NE/4 NW/4 Lease #JAT 396  
SECTION 17, TOWNSHIP 23N RANGE 3W  
RIO ARriba COUNTY, NM  
REVISED 6/2/97 MC

PIT(D)

SEPARATOR

(S)

BURIED LINE DRIP



380 BBL  
WATER

400 BBL  
OIL

400 BBL  
OIL

EPNG SALES METER  
CM  
#95-336-01

LAND FARM CELL  
115' X 50' X 12"

WELL HEAD



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>M W PETROLUEM</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>JAT 396 # 6</u>	
Location: Unit or Qtr/Qtr Sec <u>NEWW</u> Sec <u>17</u> T <u>23</u> N R <u>3</u> W County <u>RIO ARRIBA</u>	
Land Type <u>JIC. TRIBAL</u>	
Date Remediation Started: <u>5/22/97</u> Date Completed: <u>6/10/98</u>	
Remediation Method: Landfarmed <u>XXX</u> Approx. cubic yards <u>207</u>	
Composted _____	
Other <u>SOIL TO BE PUT BACK IN PIT.</u>	
Depth to Groundwater: (pts) <u>0</u>	<b>Final Closure Sampling</b> Sampling Date: <u>6/10/98</u> Time: <u>11:15AM</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>	
<b>RANKING SCORE (TOTAL POINTS)</b> <u>0</u>	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE: <u>7/16/98</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) <u>use as Backfill</u>	
SIGNED: <u>Kerr C Marshall</u>	DATE: <u>7-29-98</u>



# M W PETROLEUM/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE JAT 396 # 6

\* AMOUNT OF SOIL UNDERGOING REMEDIATION 207 Yds.

CELL No. <u>1</u>	SampDATE <b>6/10/98</b>	TPH <b>ND</b>	BTEX <b>ND</b>
DIMENSIONS(LxWxH) <u>115' X 50' X 12"</u>			
CELL LOCATION (dir. from well head) <u>EAST</u>			
* DATE BEGAN: <u>5/22/97</u>			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm) <u>6/10/98</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) _____			
REMEDICATION RECORD: (Date, Treatment, Tilling)			
5/30/97 TREAT CELL WITH 46-0-0 FERTILIZER , WATER,PLOW AND TILL SOIL.			
6/9/97 PLOW AND TILL SOIL.			
6/21/97 TILL SOIL.			
7/7/97 WATER,PLW AND TILL SOIL.			
4/28/97 PLOW SOIL.			
4/29/97 TILL SOIL.			
6/2/98 WATER AND PLOW SOIL.			
6/3/98 TILL SOIL.			

From excavation reports.



WELL NAME:

JAT 396 # 6

SAMPLE DATE:

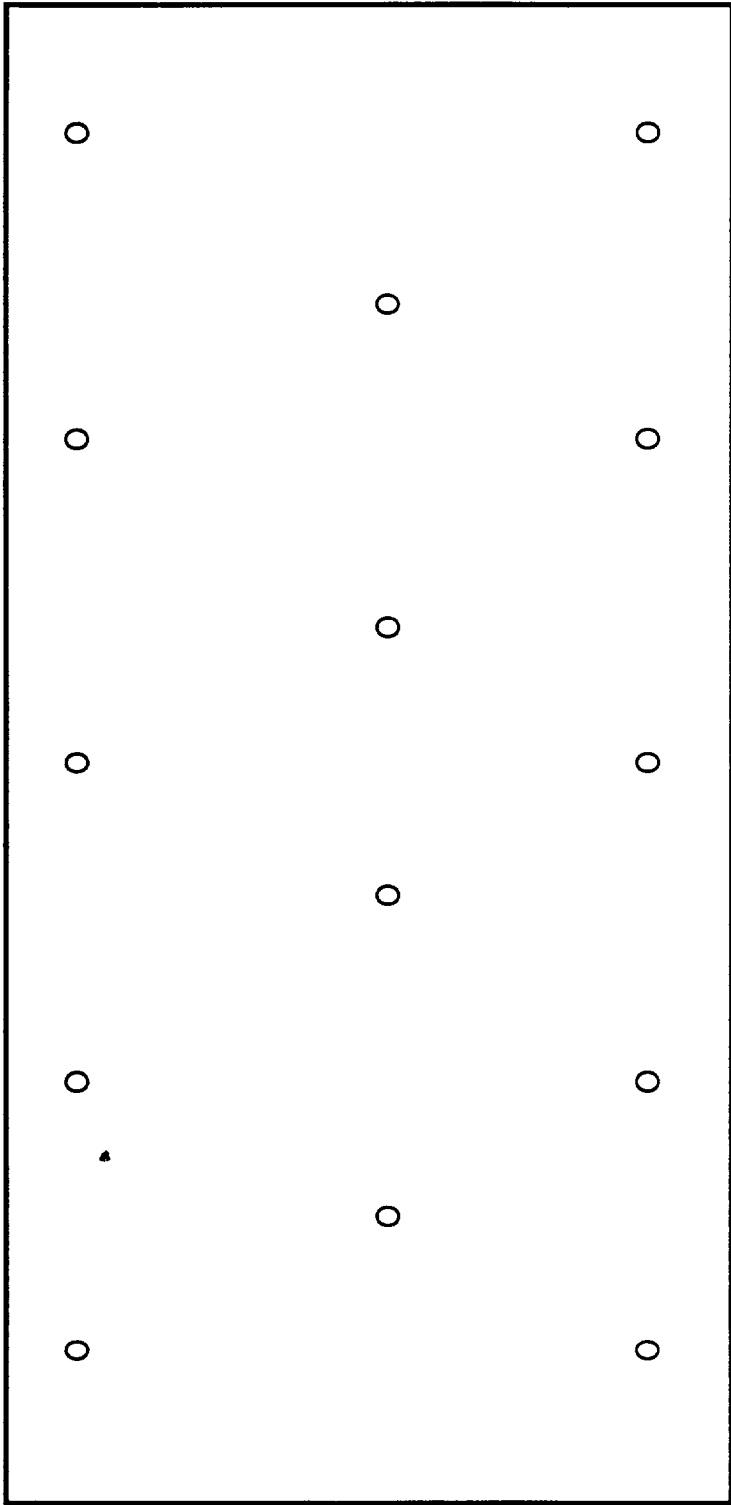
6/10/98

DIMENSIONS:

115' X 50' X 12"



= SAMPLE AREA



NOTES:

ALL SAMPLES TAKEN 10" TO 12" INTO CELL.

14 POINT COMPOSITE SAMPLE

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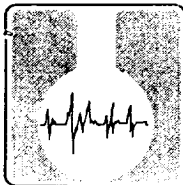
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# ASSAIGAI ANALYTICAL LABORATORIES, INC.

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

JUN 25 1998

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: 9806177 JICARILLA

*William P. Biava*  
William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Client Sample ID **JAT 396 #6 CELL** Sample Matrix **SOIL** Sample Collected **06/10/98 11:15:00**

Fraction	QC Group	CAS #	Result	Units	Dilution Factor	Detection Limit	Sequence	Run Date
<b>SW846-8010/8020 Volatiles</b>								
9806177-01A	X98326	71-43-2	Benzene	ND	mg / Kg	50	0.005	XG.1998.535-9 06/15/98
	X98326	100-41-4	Ethylbenzene	ND	mg / Kg	50	0.005	XG.1998.535-9
	X98326	95-47-6	o-Xylene	ND	mg / Kg	50	0.005	XG.1998.535-9
	X98326		P/M-Xylenes	ND	mg / Kg	50	0.01	XG.1998.535-9
	X98326	108-88-3	Toluene	ND	mg / Kg	50	0.005	XG.1998.535-9
<b>SW846-8015 Modified TPH</b>								
9806177-01B	X98328		Diesel Range Organics	ND	mg / Kg	25	25	XG.1998.556-10 06/20/98

\*\*\* Sample specific analytical Detection Limit is determined by multiplying the sample Dilution Factor by the listed method Detection Limit. \*\*\*







LABORATORY