

District III

1000 Rio Brazos Rd.

Aztec, NM 87410

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

Operator: Apache Corporation

Telephone:

505-325-0318

Address: 2855 Southside River Road, Suite A, Farmington, NM 87401Facility or Well Name: JAT # 125 #5Location: Unit or Qtr/Qtr Sec J Sec 35 T 25 N R 4W County Rio ArribaPit Type: Separator: _____ Dehydrator _____ Other Blow PitLand Type: Jicarilla TribalBeginning Pit Dimensions: Length 15' Width 15' Depth 3'Pit Location: Ending Pit Dimensions: Length 35' Width 25' Depth 12'

(Attach diagram)

Reference: Wellhead XXX Other _____Footage from reference: 120'Direction from reference: 324 Degrees _____ East North XX
_____ X _____ West of South _____

Depth To Groundwater:

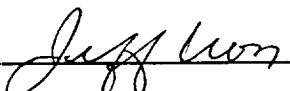
(vertical distance from
contaminants to seasonal
high water elevation of
groundwater)Less than 50 feet (20 points) _____
50 feet to 99 feet (10 points) _____
Greater than 100 feet (0 points) 0

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) 0RANKING SCORE (TOTAL POINTS) 0

Date Remediation Started:		<u>6/25/97</u>		Date Completed:		<u>6/30/97</u>	
Remediation Method: (Check all appropriate sections)		Excavation <u>XXX</u>		Approx. cubic yards		<u>350</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 12', took PID readings.</u>					
		<u>Spread soil on location for remediation. Took soil samples.</u>					
Groundwater Encountered:		No <u>XX</u>		Yes _____		Depth _____	
Final Pit:		<u>Sample location 4 point composite sample taken 8 to 10 " into pit sidewalls,</u>					
Closure Sampling: (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		12'		<u>8 to 10" into pit sidewalls 10" into pit bottom</u>	
		Sample Date		<u>6/30/97</u>		Sample Time <u>10:20 AM</u>	
		Sample results					
		Benzene		(ppm)		<u>ND</u>	
		Total BTEX		(ppm)		<u>ND</u>	
		Field Headspace		(ppm)		<u>19.06</u>	
		TPH				<u>2700\Sides</u>	
						<u>ND\BTM</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>	

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>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 125 # 5</u>			
Location:	Unit or Qtr/Qtr	Sec <u>J</u>	SEC 35 T 25N 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: (Attach diagram)	Pit Dimensions:	Length <u>35'</u>	Width <u>25'</u> Depth <u>12'</u>
	Reference:	Wellhead <u>XXX</u>	Other <u> </u>
	Footage from reference:	<u>120'</u>	
	Direction from reference:	<u>324</u> Degrees	East <u> </u> North <u>XX</u>
		<u>X</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>6/25/97</u>		Date Completed: <u>6-30-97</u>	
Remediation Method: (Check all appropriate sections)	Excavation <u>XXX</u>	Approx. cubic yards	<u>350</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 12', 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>4 POINT COMPOSITE SAMPLE TAKEN 8 TO 10" INTO PIT</u>		
Closure Sampling: (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>12'</u>	<u>8" to 10" into pit side walls, 10" into pit bottom.</u>	
Sample Date	<u>6/30/97</u>	Sample Time	<u>10:20AM</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>19.06</u>	Ethylbenzene (ppb) <u>NA</u>
	TPH (ppm)	<u>2700\SIDE ND\BTM</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>9-14-98</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 M...ll</u>	DATE:	<u>11-13-98</u>

M W PETROLEUM/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

LOCATION JAT 125 # 5

PIT COUNT 1

Jicarilla Apache Tribal EPO/OCD/BLM

Review and Approval

OCD-BLM

EPO Representative

Date of Review

Excavation								
DIMENSIONS			START: 6/25/97			FINISH: 6/30/97		
	W	L	D		W	L	D	CU YDS
Pit 1	15'	15'	3'	Pit 1	25'	35'	12'	350
Pit 2				Pit 2				
Pit 3				Pit 3				
		Pit 1 @ 7'	Pit 2 @	Pit 3 @		Pit 1 @ 12'	Pit 2 @	Pit 3 @
P	Center	250			P	Center	3.5	
I	NW Corner	425			I	NW Corner	22.5	
D	NE Corner	200			D	NE Corner	5.4	
	SW Corner	450				SW Corner	33.5	
	SE Corner	405				SE Corner	30.4	

NOTES:

6/25/97 START EXCAVATION ON PIT, HEAVY STAINING AND ODOR TO 5.5'

6/26/97 EXCAVATE DOWN TO 7' , PID READINGS HIGH. CONTINUE EXCAVATION.

6/27/97 EXCAVATE DOWN TO 12' ,NO STAINING ON BOTTOM .

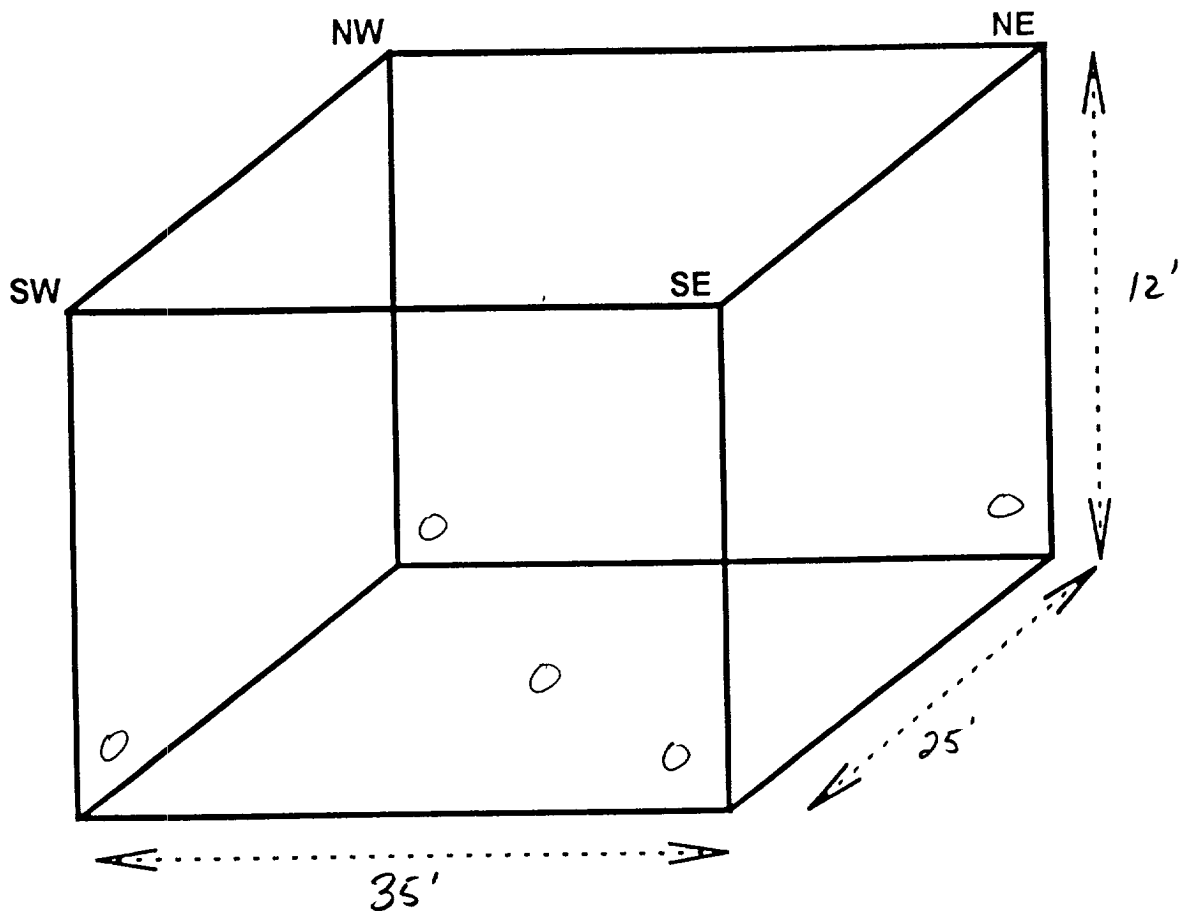
6/30/97 EXCAVATE MORE ON PIT SIDES , TOOK PID READINGS (GOOD) . NO STAINING OR ODOR.

6/30/97 TOOK SOIL SAMPLE AND SENT TO ASSAIGAI LABS.

SOIL SAMPLING								
DATE: 6/30/97		Pit 1 @ 12'	Pit 2 @	Pit 3 @	ANALYSIS RESULTS		PER LAB	ASSAIGAI
					PIT NO	TPH	BETEX	WITNESS
P	Center	3.5						
I	NW Corner	22.5						
D	NE Corner	5.4			1	2700ND	ND\ND	JEFF C.
	SW Corner	33.5			2			
	SE Corner	30.4			3			

RE-SAMPLE OR CELL(S) SAMPLE								
DATE:		Pit 1 @	Pit 2 @	Pit 3 @	ANALYSIS RESULTS		PER LAB	
					PIT NO	TPH	BETEX	WITNESS
P	Center							
I	NW Corner							
D	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	
					PIT NO	TPH	BETEX	WITNESS
P	Center							
I	NW Corner							
D	NE Corner				1			
	SW Corner				2			
	SE Corner				3			



○ = SAMPLE AREA

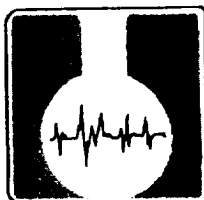
WELL NAME JAT 125 #5

SAMPLE DATE 6-30-97

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.**

AUG 4 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 11, 1997 14:35

**CERTIFICATE OF ANALYSIS
RESULTS BY SAMPLE**

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

WORKORDER # : 9707034
WORK ID : JICARILLA PIT CLOSURES
CLIENT CODE : APA01
DATE RECEIVED : 07/04/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9707034-01A
Sample ID: JAT 125 #5 SIDES

Collected: 06/30/97 10:20:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/kg	0.0050	100	07/09/97	SBTXME176
Toluene	ND	mg/kg	0.0050	100	07/09/97	SBTXME176
Ethylbenzene	ND	mg/kg	0.0050	100	07/09/97	SBTXME176
P-&m-Xylene	ND	mg/kg	0.010	100	07/09/97	SBTXME176
O-Xylene	ND	mg/kg	0.0050	100	07/09/97	SBTXME176

Lab ID: 9707034-01B
Sample ID: JAT 125 #5 SIDES

Collected: 06/30/97 10:20:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015						
Diesel Range OG in Soil	2700	mg/Kg	50	25	07/08/97	SDRO040

Lab ID: 9707034-02A
Sample ID: JAT 125 #5 BOTTOM

Collected: 06/30/97 10:30:00
Matrix: SOIL

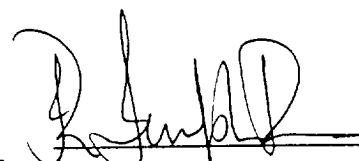
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/kg	0.0050	100	07/07/97	SBTXME175
Toluene	ND	mg/kg	0.0050	100	07/07/97	SBTXME175
Ethylbenzene	ND	mg/kg	0.0050	100	07/07/97	SBTXME175
P-&m-Xylene	ND	mg/kg	0.010	100	07/07/97	SBTXME175
O-Xylene	ND	mg/kg	0.0050	100	07/07/97	SBTXME175



Lab ID: 9707034-02B
Sample ID: JAT 125 #5 BOTTOM

Collected: 06/30/97 10:30:00
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	07/08/97	SDRO040


for William P. Biava
President

WORKORDER COMMENTS

DATE : 07/11/97

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.

REPORT COMMENTS



Chain of Custody Record

ALBUQUERQUE, NEW MEXICO 87109
(505) 345-8964

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

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

MELQUIADES ALANIS

6411 LOCAL UNO
CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

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) Jeff Gross

Contract / Purchase Order / Quote _____

AAL FRACTION NUMBER	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation	
						Temp.	Chemical
1A	125 #5 SIDE 6-30-97	12:20	5:01	402 g/255	ICE		
1B	125 #5 SIDE 6-30-97	12:20					
2A	125 #5 BOTTOM	10:36					
2B	125 #5 BOTTOM	10:30					
3A							
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Relinquished by: Signature <u>Jeff Gross</u> Printed <u>Jeff Gross</u> Company <u>Apache Corp.</u> Reason _____	Date <u>7-4-97</u> Time <u>10:40</u>	Received by: Signature <u>Don P. Babin</u> Printed <u>Don P. Babin</u> Company <u>Assaigai</u> Reason <u>Delivery</u>	Relinquished by: Signature _____ Printed _____ Company _____ Reason _____
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Method of Shipment: _____	Comments: _____
Shipment No. _____	
Special Instructions: _____	

No. of Containers	DTX (mod. 805)
Analyte Required	
Remarks	

Date	7-7-97
Time	9 AM
Received by: Signature <u>Carla Rubio</u> Printed _____ Company _____ Reason _____	

After analysis, samples are to be:

☐ Disposed of (additional fee)

☐ Stored (30 days max)

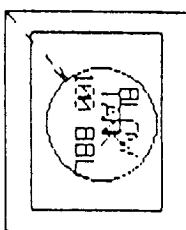
☐ Stored over 30 days (additional fee)

☐ Returned to customer

LABORATORY

NORTH

P.T.

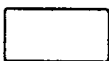


Dirt Farm Cell #2

80' x 60' x 12"

WBL HEAD

LIVE HEATER



M W PETROLEUM

JICARILLA APACHE TRIBAL 125 WBL 5

NW/4 SE/4 Q. FED LEASE # 125

SECTION 35, TOWNSHIP 25N RANGE 4W

RIO ARriba COUNTY, NM

Dirt Farm

Cell #1

100' x 50' x 12"

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 125 # 5 CELL # 1</u>	
Location: Unit or Qtr/Qtr Sec <u>J</u> SEC <u>35</u> T <u>25</u> N <u>R 4</u> W County <u>RIO ARRIBA</u>	
Land Type <u>JIC. TRIBAL</u>	
Date Remediation Started: <u>6/25/97</u> Date Completed: <u>8/17/98</u>	
Remediation Method: Landfarmed <u>XXX</u> Approx. cubic yards <u>179</u>	
Composted _____	
Other <u>REMEDIED SOIL TO BE PUT BACK IN PIT.</u>	
Depth to Groundwater: (pts) <u>0</u>	Final Closure Sampling Sampling Date: <u>8/17/98</u> Time: <u>2:10PM</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>9/14/98</u> PRINTED NAME <u>JEFF CROSS</u>	
SIGNATURE <u><i>Jeff Cross</i></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><i>Karen C McNeill</i></u> DATE: <u>11-13-98</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

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 125 # 5 CELL # 2</u>	
Location: Unit or Qtr/Qtr Sec <u>J</u> SEC <u>35</u> T <u>25 N</u> R <u>4 W</u> County <u>RIO ARRIBA</u>	
Land Type <u>JIC. TRIBAL</u>	
Date Remediation Started: <u>6/25/97</u> Date Completed: <u>8/17/98</u>	
Remediation Method: Landfarmed <u>XXX</u> Approx. cubic yards <u>171</u>	
Composted _____	
Other <u>REMEDIATED SOIL TO BE PUT BACK IN PIT.</u>	
Depth to Groundwater: (pts) <u>0</u>	Final Closure Sampling Sampling Date: <u>8/17/98</u> Time: <u>2:25PM</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>9/14/98</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>KAC M...</u>	DATE: <u>11-13-98</u>

M W PETROLEUM/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE

JAT 125 # 5

* AMOUNT OF SOIL UNDERGOING REMEDIATION

350

Yds.

CELL No. <u>1</u>	SampDATE 5/21/98	TPH 1100	BTEX ND
	8/17/98	ND	ND
DIMENSIONS(LxWxH) <u>100' X 50' X 12"</u>			
CELL LOCATION (dir. from well head) <u>EAST</u>			
* DATE BEGAN: <u>6/25/97</u>			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm)	<u>8/17/98</u>		
CELL No. <u>2</u>	SampDATE 5/21/98	TPH 2400	BTEX ND
	8/17/98	ND	ND
DIMENSIONS(LxWxH) <u>80' X 60' X 12"</u>			
CELL LOCATION (dir. from well head) <u>NORTH</u>			
* DATE BEGAN: <u>6/25/97</u>			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm)	<u>8/17/98</u>		
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)			
7/2/97 TREAT SOIL CELLS WITH 46-0-0 FERTILIZER,WATER,PLOW AND TILL.			
7/15/97 PLOW AND TILL SOIL CELLS.			
7/24/97 PLOW AND TILL SOIL CELLS.			
6/25/98 PLOW AND TILL SOIL CELLS.			
8/7/97 WATER,PLOW AND TILL SOIL CELLS.			
7/9/98 WATER PLOW AND TILL SOIL CELLS.			
4/20/98 PLOW AND TILL SOIL CELLS.			
7/23/98 PLOW AND TILL SOIL CELLS.			
5/12/98 PLOW AND SOIL CELLS.			
8/7/98 PLOW AND SOIL CELLS.			
5/28/98 WATER,PLOW AND TILL SOIL CELLS.			
8/14/98 PLOW AND TILL SOIL CELLS.			
6/10/98 PLOW AND TILL SOIL CELLS.			

From excavation reports.

WELL NAME:

JAT 125 #5 Cell #2

SAMPLE DATE:

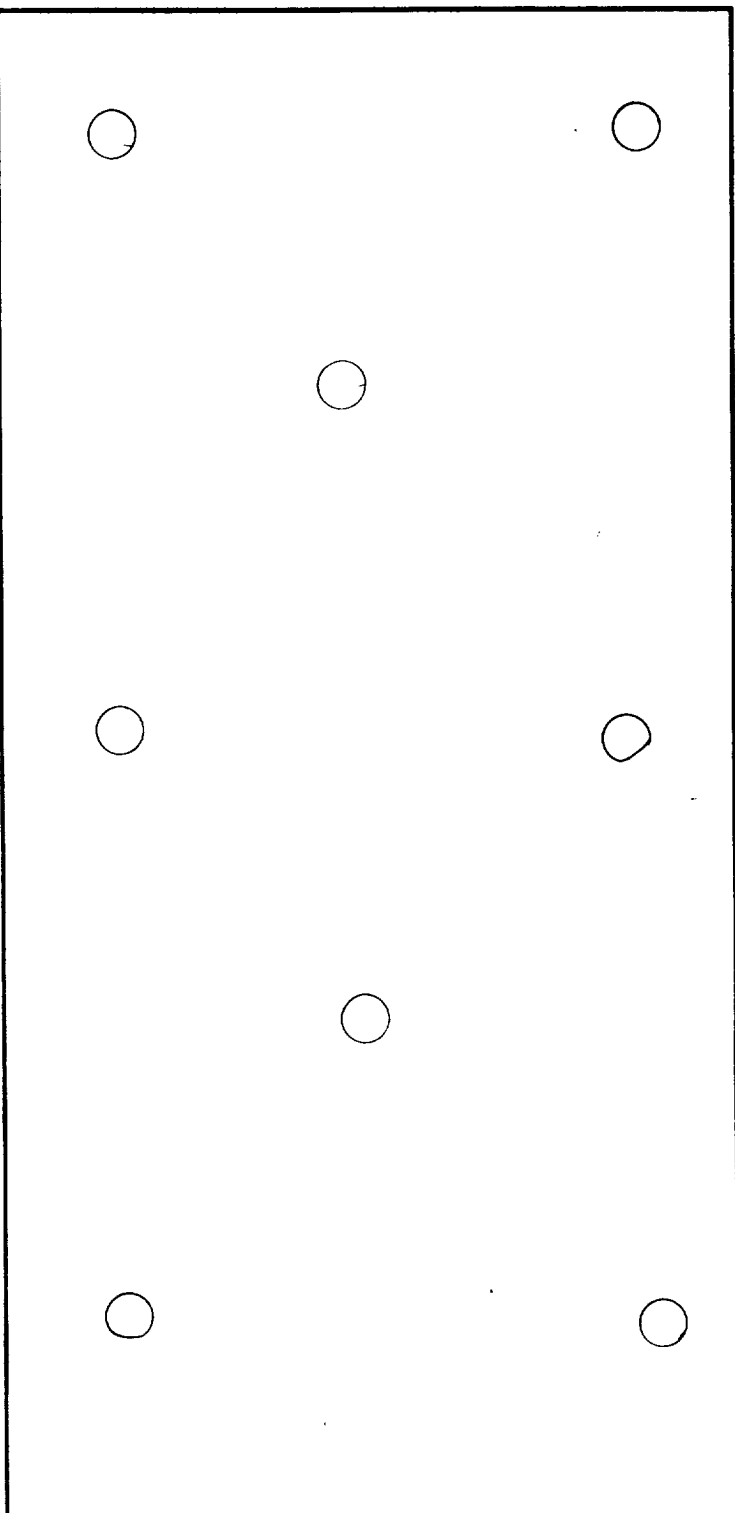
8-17-98

DIMENSIONS:

80' X 60' X 12"



= SAMPLE AREA



NOTES:

ALL SAMPLES TAKEN 10" TO 12" INTO CELL.

8 point composite sample

WELL NAME:

SAT 125 #5 Cell #1

SAMPLE DATE:

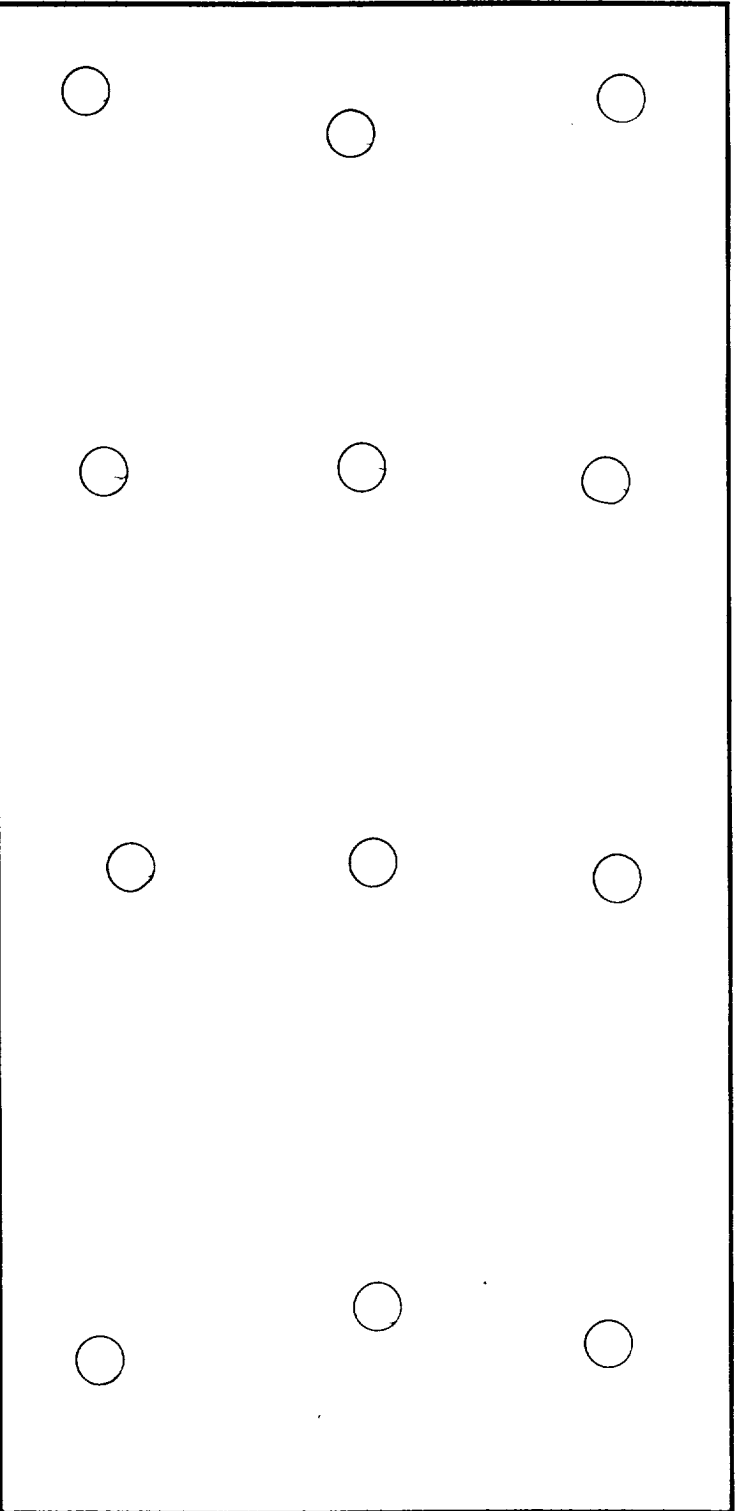
8-17-98

DIMENSIONS:

100' x 50' x 12' 1"



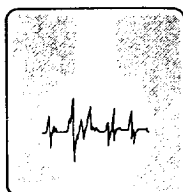
= SAMPLE AREA



NOTES:

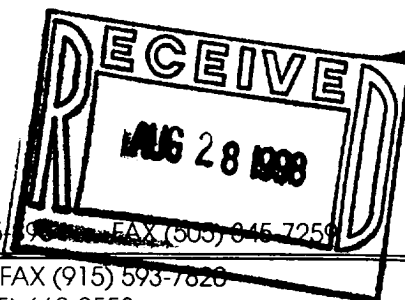
ALL SAMPLES TAKEN 10" TO 12" INTO CELL.

12 Point Composite Sample



ASSAIGAI ANALYTICAL LABORATORIES, INC.

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3332 Wedgewood, E-5 • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7828
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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: 9808186 JICARILLA PIT CLOSURES

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

Client Sample ID: JAT 125 #5 CELL #1 Sample Matrix: SOIL Sample Collected: 08/17/98 14:10:00

Fraction	QC Group	CAS #	Result	Units	Dilution Factor	Detection Limit	*	Sequence	Run Date
Test: SW846 8010B/8020A Purgeable VOCs by GC/PID-ELCD									
9808186-01A	X98390	71-43-2	Benzene	ND	mg / Kg	50	0.005	XG. 1998.702-18	08/21/98
	X98390	100-41-4	Ethylbenzene	ND	mg / Kg	50	0.005	XG. 1998.702-18	
	X98390	95-47-6	o-Xylene	ND	mg / Kg	50	0.005	XG. 1998.702-18	
	X98390		P/M-Xylenes	ND	mg / Kg	50	0.01	XG. 1998.702-18	
	X98390	108-88-3	Toluene	ND	mg / Kg	50	0.005	XG. 1998.702-18	
Test: SW846 8015A Diesel Range Organics by GC/FID									
9808186-01B	X98389		Diesel Range Organics	ND	mg / Kg	25	25	XG. 1998.699-10	08/21/98

Client Sample ID: JAT 125 #5 CELL #2 Sample Matrix: SOIL Sample Collected: 08/17/98 14:25:00

Fraction	QC Group	CAS #	Result	Units	Dilution Factor	Detection Limit	*	Sequence	Run Date
Test: SW846 8010B/8020A Purgeable VOCs by GC/PID-ELCD									
9808186-02A	X98390	71-43-2	Benzene	ND	mg / Kg	50	0.005	XG. 1998.702-14	08/21/98
	X98390	100-41-4	Ethylbenzene	ND	mg / Kg	50	0.005	XG. 1998.702-14	
	X98390	95-47-6	o-Xylene	ND	mg / Kg	50	0.005	XG. 1998.702-14	
	X98390		P/M-Xylenes	ND	mg / Kg	50	0.01	XG. 1998.702-14	
	X98390	108-88-3	Toluene	ND	mg / Kg	50	0.005	XG. 1998.702-14	
Test: SW846 8015A Diesel Range Organics by GC/FID									
9808186-02B	X98389		Diesel Range Organics	ND	mg / Kg	25	25	XG. 1998.699-11	08/21/98



Assagai Analytical Laboratories, Inc.

Certificate of Analysis

Client: **APACHE CORPORATION**
Project: **9808186 JICARILLA PIT CLOSURES**

*** 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. ***



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LABORATORY