

District III

1000 Rio Brazos Rd

Albuquerque, NM 87102

DEPUTY 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

OIL CONSERVATION DIVISION

2040 S. PACHECO

Santa Fe, New Mexico 87505

APR 10 1998

PIT REMEDIATION AND CLOSURE REPORTOperator: Apache Corporation Telephone: 505-325-0318Address: 2855 Southside River Road, Suite A, Farmington, NM 87401Facility or Well Name: JAT A118 #16Location: Unit or Qtr/Qtr Sec F₁ Sec 26 T 26 N R 3W County Rio ArribaPit Type: Separator: _____ Dehydrator _____ Other COMPRESSOR (Blow Pit)Land Type: Jicarilla Tribal

Begin Pit Dimensions.
Pit Location: END Pit Dimensions: Length 15' 21' Width 15' 21' Depth 3' 10'
(Attach diagram)

Reference: Wellhead XX Other _____Footage from reference: 100'

Direction from reference: 192 Degrees _____ East _____ North _____
_____ X _____ West _____ South XX

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)	<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) _____
No (0 points) 0

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DEC 10 1997
OIL CON. DIV.
DIST. 3

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)	<u>0</u>

RANKING SCORE (TOTAL POINTS) 0

Date Remediation Started: 9/18/95 Date Completed: 8/18/97

Remediation Method: (Check all appropriate sections) Excavation XXX Approx. cubic yards 164
Landfarmed XX Insitu Bioremediation _____
Other _____

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

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

Groundwater Encountered: No X 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 sidewalls 10" into pit bottom
Sample Date 12/15/95 Sample Time 11:30 A.M.
Sample results
Benzene (ppm) ND
Total BTEX (ppm) ND
Field Headspace (ppm) 33.96
TPH 820

Groundwater Sample: Yes _____ No X (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 November 5, 1997 PRINTED NAME Jeff Cross

SIGNATURE Jeff Cross AND TITLE Project Manager

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 A 118 # 16</u>			
Location:	Unit or Qtr/Qtr Sec	<u>P</u>	<u>SEC 26 T 26N R 3W</u> County <u>RIO ARRIBA</u>
Pit Type:	Separator: <u> </u>	Dehydrator: <u> </u>	Other: <u>COMPRESSOR (BLOW PIT)</u>
Land Type: <u>JIC. TRIBAL</u>			
Pit Location: (Attach diagram)			
Pit Dimensions:	Length <u>21'</u>	Width <u>21'</u>	Depth <u>10'</u>
Reference:	Wellhead <u>XXX</u>	Other <u> </u>	
Footage from reference:	<u>100'</u>		
Direction from reference:	<u>192</u> Degrees	<u> </u> East	North <u> </u>
		<u>X</u> West	South <u>XX</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>

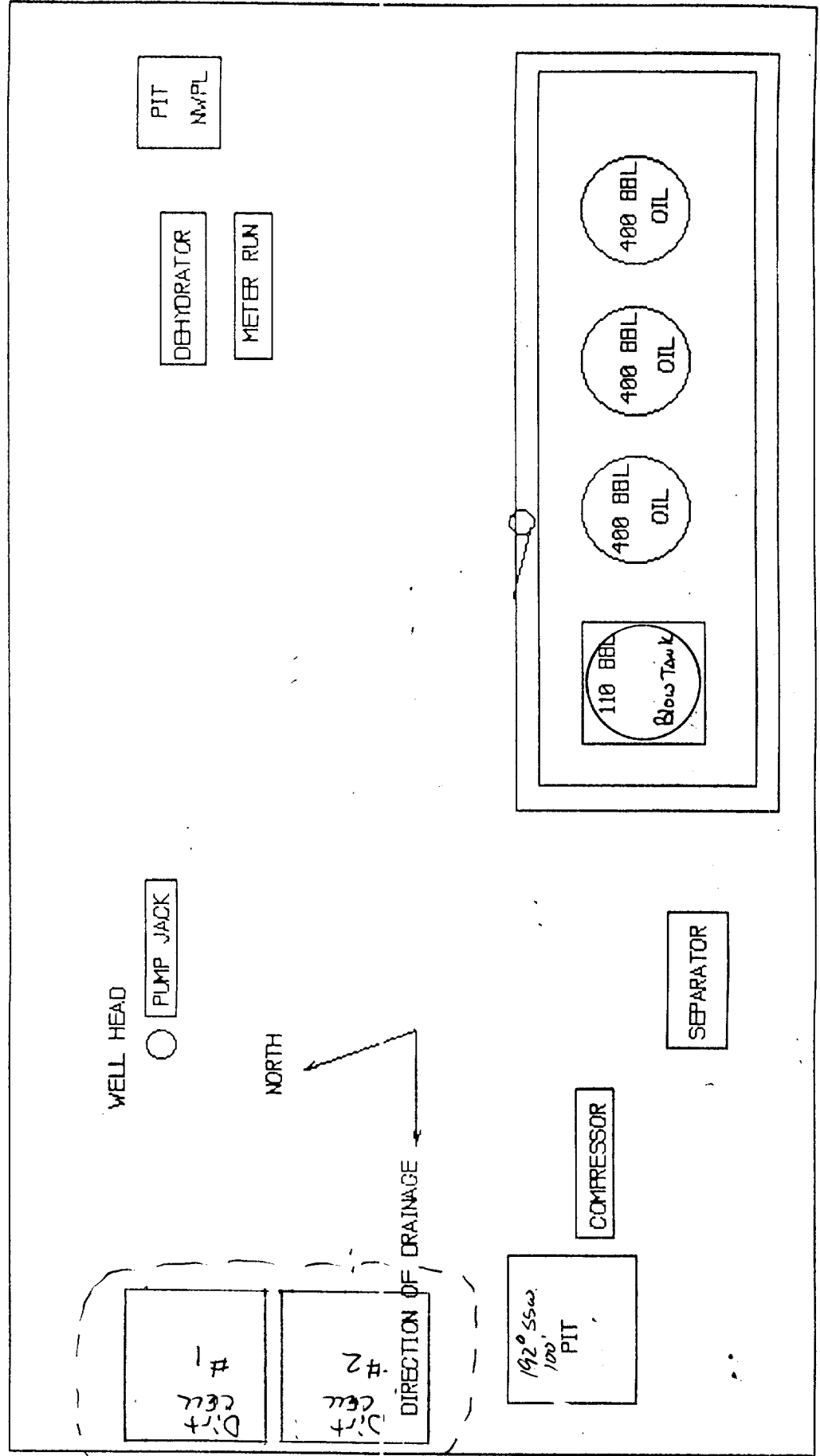
Date Remediation Started:		<u>9/18/95</u>		Date Completed:		<u>8-18-97</u>	
Remediation Method: (Check all appropriate sections)		Excavation <u>XXX</u>		Approx. cubic yards		<u>164</u>	
		Landfarmed <u>XX</u>		Insitu Bioremediation			
		Other _____					
Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility)		Onsite <u>XX</u>		Offsite _____			
General Description of Remedial Action: <u>Excavate pit to 10', took PID readings. 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>12/15/95</u>		Sample Time		<u>11:30AM</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>33.96</u>		Ethylbenzene	(ppb)	<u>NA</u>
	TPH	(ppm)	<u>820</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>8-26-97</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>Kevin C. Marshall</u>		DATE:		<u>9-2-97</u>	

Lease # JAT A118

M W PETROLEUM, JICARILLA APACHE 118 NUMBER 18
SE/4 SE/4 (P), SECTION 28, TOWNSHIP 28N, RANGE 3W
RIO ARriba COUNTY, NEW MEXICO

Revised 8/2/97 MG

() = SEED AREA



APACHE CORPORATION FARMINGTON DISTRICT
PIT EXCAVATION AND CLOSURE REPORT

LOCATION: JIC. A-118#16

PIT COUNT: 1

JICARILLA APACHE TRIBAL EPO
REVIEW AND APPROVAL

EPO REPRESENTATIVE *KCM*
DATE OF REVIEW: 12-27-95

EXCAVATION								
DIMENSIONS			START			FINISH		
	W	L	D			W	L	D
PIT 1	15'	15'	3'	PIT 1	21	21	10'	164.0
PIT 2				PIT 2				
PIT 3				PIT 3				
DATE: 09/18/95			PIT1@07'	PIT2@	PIT3@	DATE: 12/15/95		
P. I. D.	CENTER	287.0				CENTER	36.3	
	NW CORNER	441.0				P. NW CORNER	41.2	
	NE CORNER	582.0				I. NE CORNER	46.4	
	SW CORNER	197.0				D. SW CORNER	22.4	
	SE CORNER	436.0				SE CORNER	23.5	

NOTES:

09/18/95 Strong odor to 7', hit sandstone @ 8'. Remove staining from side walls.

High BTEX on 9/18 sampling @ 7'

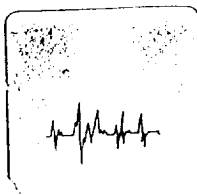
SOIL SAMPLING								
DATE: 09/18/95			PIT1@07'	PIT2@	PIT3@	ANALYSIS RESULTS		PER LAB: ASSAIGAI
P. I. D.	CENTER	287.0				PIT	IPH	BETEX
	NW CORNER	441.0				NO.		WITNESS
	NE CORNER	582.0				1	2800.0	118.0
	SW CORNER	197.0				2		
	SE CORNER	436.0				3		

RE-SAMPLE OR CELL(S) SAMPLE

DATE: 12/15/95			PIT1@10'	PIT 2	PIT 3	ANALYSIS RESULTS		PER LAB: ASSAIGAI
P. I. D.	CENTER	36.3				PIT	IPH	BETEX
	NW CORNER	41.2				NO.		WITNESS
	NE CORNER	46.4				1	820	ND
	SW CORNER	22.4				2		
	SE CORNER	23.5				3		

RE-SAMPLE OR CELL(S) SAMPLE

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



ASSAIGAI ANALYTICAL LABORATORIES

7300 Jefferson, N.E. • Albuquerque, New Mexico 87 09 • (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 6, 1995 13:18

CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE

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

WORKORDER # : 9509186
WORK ID : PIT REMEDIATION 95017
CLIENT CODE : APA01
DATE RECEIVED : 09/22/95

ATTN: JOHN TAYLOR

Page: 1

Lab ID: 9509186-01A
Sample ID: J.A. 118 #16

Collected: 09/19/95 10:10:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	25000	09/27/95	SBTXME078
Toluene	30	mg/Kg	0.0010	25000	09/27/95	SBTXME078
Ethylbenzene	ND	mg/Kg	0.0010	25000	09/27/95	SBTXME078
P-&m-Xylene	88	mg/Kg	0.0010	25000	09/27/95	SBTXME078
O-Xylene	ND	mg/Kg	0.0010	25000	09/27/95	SBTXME078

Lab ID: 9509186-01B
Sample ID: J.A. 118 #16

Collected: 09/19/95 10:10:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCS DIESEL/CAL DHS 8015M						
Diesel	2800	mg/Kg	5.0	100	10/03/95	SLFTD47
HCS DSL XT/CAL DHS 8015M	10/02/95	N/A				

Lab ID: 9509186-02A
Sample ID: J.A. 118 #19-H

Collected: 09/19/95 15:56:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	1000	09/26/95	SBTXME078
Toluene	ND	mg/Kg	0.0010	1000	09/26/95	SBTXME078
Ethylbenzene	2.3	mg/Kg	0.0010	1000	09/26/95	SBTXME078
P-&m-Xylene	14	mg/Kg	0.0010	1000	09/26/95	SBTXME078
O-Xylene	2.6	mg/Kg	0.0010	1000	09/26/95	SBTXME078





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

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

Page 1 of 1

Client: Apple Computer, Inc. Project Manager/Contact: John Taylor

Address 501 N. 13th St. W. Telephone No. (505) 325-0316

City/State/Zip Highway 100 NM 87461 Fax No. (505) 325-0325

Project Name / Number Pit Remediation 95017 Samplers: (Signature) [Signature]

Contract / Purchase Order / Quote

AAL FRACTION NUMBER	Field Sample Number/ Location	Date	Time	Sample Type	Type / Size of Container	Preservation	
						Temp	Chemical
01A	JA 118 #16	9/19	10:10	Soil	1/02 3/100	57°	70% EtOH
B	JA 118 #16	9/19	10:10	Soil			
02A	JA 118 #19-H	9/19	3:50	Soil			
B	JA 118 #19-H	9/20	3:50	Soil			
03A	JA 118 #19-C	9/20	1:00	Soil			
B	JA 118 #19-C	9/20	1:00	Soil			

[illegible]

Relinquished by: <u>David D. Boring</u>	Received by: <u>David D. Boring</u>	Date <u>7/21/95</u>
Signature <u>David D. Boring</u>	Signature <u>David D. Boring</u>	Time <u>1705</u>
Printed <u>David D. Boring</u>	Printed <u>David D. Boring</u>	
Company <u>TFS</u>	Company <u>ASSAULT LABS</u>	
Reason <u>10/1/99</u>	Reason <u>DELIVERY</u>	

Received by: <u>Laura M. Campbell</u> Signature: <u>Laura M. Campbell</u> Printed: <u>ATL</u> Company: _____ Reason: _____	Date: <u>9/20/95</u> Time: <u>0850</u>	<u>Bizinc</u> <u>Bizinc</u> <u>4</u>
--	---	--

Method of Shipment: _____	After analysis, samples are to be: ☐ Disposed of (additional fee) ☐ Stored (30 days max) ☐ Stored over 30 days (additional fee) ☐ Returned to customer
Shipment No. _____	
Special Instructions: _____	
Comments: _____	

ASSAIGAI PROJECT FILE

Lab ID: 9512196-07A
Sample ID: JIC. A-118#19-H

Collected: 12/15/95 11:00:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Ethylbenzene	ND	mg/Kg	0.0010	100	12/28/95	SBTXME098
P-&m-Xylene	ND	mg/Kg	0.0010	100	12/28/95	SBTXME098
O-Xylene	ND	mg/Kg	0.0010	100	12/28/95	SBTXME098

Lab ID: 9512196-07B
Sample ID: JIC. A-118#19-H

Collected: 12/15/95 11:00:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCS DIESEL/CAL DHS 8015M						
Diesel	41	mg/Kg	5.0	5.0	01/03/96	SLFTD058
HCS DSL XT/CAL DHS 8015M	12/22/95	N/A				

Lab ID: 9512196-08A
Sample ID: JIC. A-118#19-C

Collected: 12/15/95 11:10:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	100	12/28/95	SBTXME098
Toluene	ND	mg/Kg	0.0010	100	12/28/95	SBTXME098
Ethylbenzene	ND	mg/Kg	0.0010	100	12/28/95	SBTXME098
P-&m-Xylene	ND	mg/Kg	0.0010	100	12/28/95	SBTXME098
O-Xylene	ND	mg/Kg	0.0010	100	12/28/95	SBTXME098

Lab ID: 9512196-08B
Sample ID: JIC. A-118#19-C

Collected: 12/15/95 11:10:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCS DIESEL/CAL DHS 8015M						
Diesel	690	mg/Kg	5.0	50	01/02/96	SLFTD058
HCS DSL XT/CAL DHS 8015M	12/22/95	N/A				

Lab ID: 9512196-09A
Sample ID: JIC. A-118#16-H

Collected: 12/15/95 11:30:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	100	12/28/95	SBTXME098
Toluene	ND	mg/Kg	0.0010	100	12/28/95	SBTXME098
Ethylbenzene	ND	mg/Kg	0.0010	100	12/28/95	SBTXME098
P-&m-Xylene	ND	mg/Kg	0.0010	100	12/28/95	SBTXME098

Lab ID: 9512196-09A
Sample ID: JIC. A-118#16-H

Collected: 12/15/95 11:30:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A O-Xylene	ND	mg/Kg	0.0010	100	12/28/95	SBTXME098

Lab ID: 9512196-09B
Sample ID: JIC. A-118#16-H

Collected: 12/15/95 11:30:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel	820	mg/Kg	5.0	250	01/03/96	SLFTD058
HCs DSL XT/CAL DHS 8015M	12/22/95	N/A				

Lab ID: 9512196-10A
Sample ID: J.A.T. 124#4

Collected: 12/15/95 09:30:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	100	12/28/95	SBTXME098
Toluene	ND	mg/Kg	0.0010	100	12/28/95	SBTXME098
Ethylbenzene	ND	mg/Kg	0.0010	100	12/28/95	SBTXME098
P-&m-Xylene	ND	mg/Kg	0.0010	100	12/28/95	SBTXME098
O-Xylene	ND	mg/Kg	0.0010	100	12/28/95	SBTXME098

Lab ID: 9512196-10B
Sample ID: J.A.T. 124#4

Collected: 12/15/95 09:30:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel	580	mg/Kg	5.0	50	01/03/96	SLFTD058
HCs DSL XT/CAL DHS 8015M	12/22/95	N/A				

Lab ID: 9512196-11A
Sample ID: AP #155-C

Collected: 12/14/95 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	50	12/28/95	SBTXME098
Toluene	ND	mg/Kg	0.0010	50	12/28/95	SBTXME098
Ethylbenzene	0.13	mg/Kg	0.0010	50	12/28/95	SBTXME098
P-&m-Xylene	0.28	mg/Kg	0.0010	50	12/28/95	SBTXME098
O-Xylene	ND	mg/Kg	0.0010	50	12/28/95	SBTXME098



Chain of Custody Record

Lab job no.: 12196 Date 12/18/95
Page 2 of 3

Client SSAI Analytical Laboratories
Address 1910 N. Big Spring
City/State/Zip Midland, TX 79705
Project Name / Number 12196
Contract / Purchase Order / Quote ---

Project Manager / Contact John Taylor
Telephone No. (505) 225-0318
Fax No. (505) 225-0328
Samplers: (Signature) ---

Sample Number	Field Location	Date	Time	Sample Type	Type / Size of Container	Preservation	
						Temp.	Chemical
1	J.C.A. 118 #19-H	12/18	11:00	Soil	407 3.625		Ice
2	J.C.A. 118 #19-H		11:00				
3	J.C.A. 118 #19-C		11:10				
4	J.C.A. 118 #19-C		11:10				
5	J.C.A. 118 #16-H		11:30				
6	J.C.A. 118 #16-H		11:30				
7	J.C.A. 118 #14		9:30				
8	J.C.A. 118 #14		9:30				

Analysis Required		No. of Containers
Analysis	Required	
TPH		3
...		...

Relinquished by: Signature <u>[Signature]</u> Printed <u>Edwin J. Chavez</u> Company <u>ATC</u> Reason <u>Testing</u>	Received by: Signature <u>[Signature]</u> Printed <u>Laura M. Campbell</u> Company <u>ATC</u> Reason <u>---</u>
Date <u>12/18/95</u> Time <u>10:45 AM</u>	Date <u>12/18/95</u> Time <u>12:10 PM</u>

Comments: _____

Method of Shipment: _____

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

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 PETROLEUM</u>		Telephone <u>505-325-0318</u>	
Address: <u>304 N. BEHREND, FARMINGTON, N.M. 87401</u>			
Facility or Well Name: <u>JAT A 118 # 16</u>		CELL # <u>1</u>	
Location:	Unit or Qtr/Qtr Sec <u>P</u>	Sec <u>26</u>	T <u>26N</u> R <u>3W</u> County <u>RIO ARRIBA</u>
Land Type <u>JIC. TRIBAL</u>			
Date Remediation Started: <u>9/18/95</u>		Date Completed: <u>8-18-97</u>	
Remediation Method: Landfarmed <u>XXX</u>		Approx. cubic yards <u>82</u>	
Composted _____			
Other _____			
Depth to Groundwater: (pts) <u>0</u>		Final Closure Sampling Sampling Date: <u>8/18/97</u> Time: <u>1:00pm</u> Sample Results: Field Headspace (ppm) <u>2.8</u> TPH (ppm) <u>830</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>8-26-97</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>Kate C Mammill</u>		DATE: <u>9-2-97</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 PETROLEUM</u>		Telephone: <u>505-325-0318</u>	
Address: <u>304 N. BEHREND, FARMINGTON, N.M. 87401</u>			
Facility or Well Name: <u>JAT A 118 # 16</u>		CELL # <u>2</u>	
Location: Unit or Qtr/Qtr	Sec <u>P</u>	Sec <u>26</u>	T <u>26N</u> R <u>3W</u> County <u>RIO ARRIBA</u>
Land Type <u>JIC. TRIBAL</u>			
Date Remediation Started: <u>9/18/95</u>		Date Completed: <u>8-14-97</u>	
Remediation Method: Landfarmed <u>XXX</u>		Approx. cubic yards <u>82</u>	
Composted <u> </u>			
Other <u> </u>			
Depth to Groundwater: (pts) <u>0</u>		Final Closure Sampling Sampling Date: <u>8/14/97</u> Time: <u>3:00 Pm</u> Sample Results: Field Headspace (ppm) <u>0.2</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>8-26-97</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>Kevin M. Mamm</u>		DATE: <u>9-2-97</u>	

M W PETROLEUM/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE JAT A 118 # 16

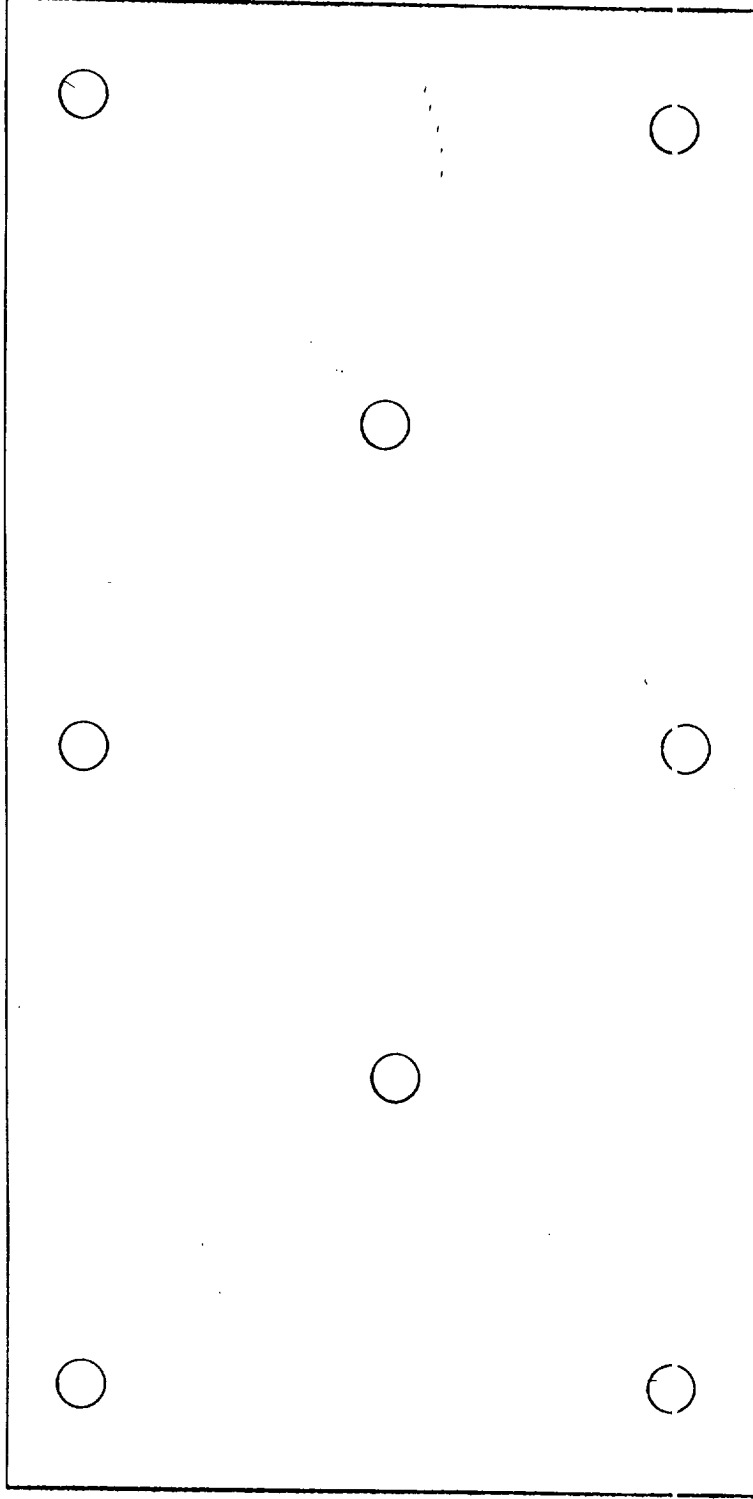
* AMOUNT OF SOIL UNDERGOING REMEDIATION 164 Yds.

CELL No. <u>1</u>	SampDATE <u>8/18/97</u>	TPH <u>830</u>	BTEX <u>ND</u>
DIMENSIONS(LxWxH) <u>55' L X 40' W X 12" H</u>			
CELL LOCATION (dir. from well head) <u>WEST</u>			
* DATE BEGAN: <u>9/18/95</u>			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm) <u>8-18-97</u>			
CELL No. <u>2</u>	SampDATE <u>8/14/97</u>	TPH <u>ND</u>	BTEX <u>ND</u>
DIMENSIONS(LxWxH) <u>55' L X 40' W X 12" H</u>			
CELL LOCATION (dir. from well head) <u>WEST</u>			
* DATE BEGAN: <u>9/18/97</u>			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm) <u>8-14-97</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)			
7/28/97 WATER AND TILL CELLS.			
8/5/97 TILL CELLS.			
8/11/97 TREAT CELL # 1 WITH 26 LBS PHOSPHORUS, 66 LBS 46-0-0 FERT.			

From excavation reports.

WELL NAME: TAT A118 #16 CELL #1
SAMPLE DATE: 8-18-97
DIMENSIONS: 55' L x 40' W x 12" H

○ = SAMPLE AREA



NOTES: ALL SAMPLES TAKEN 10" TO 12" INTO CELL
8 Point Composite Sample
PFD Composite Reading: 2.8 ppm

WELL NAME:

JAT A118 #16 Cell #2

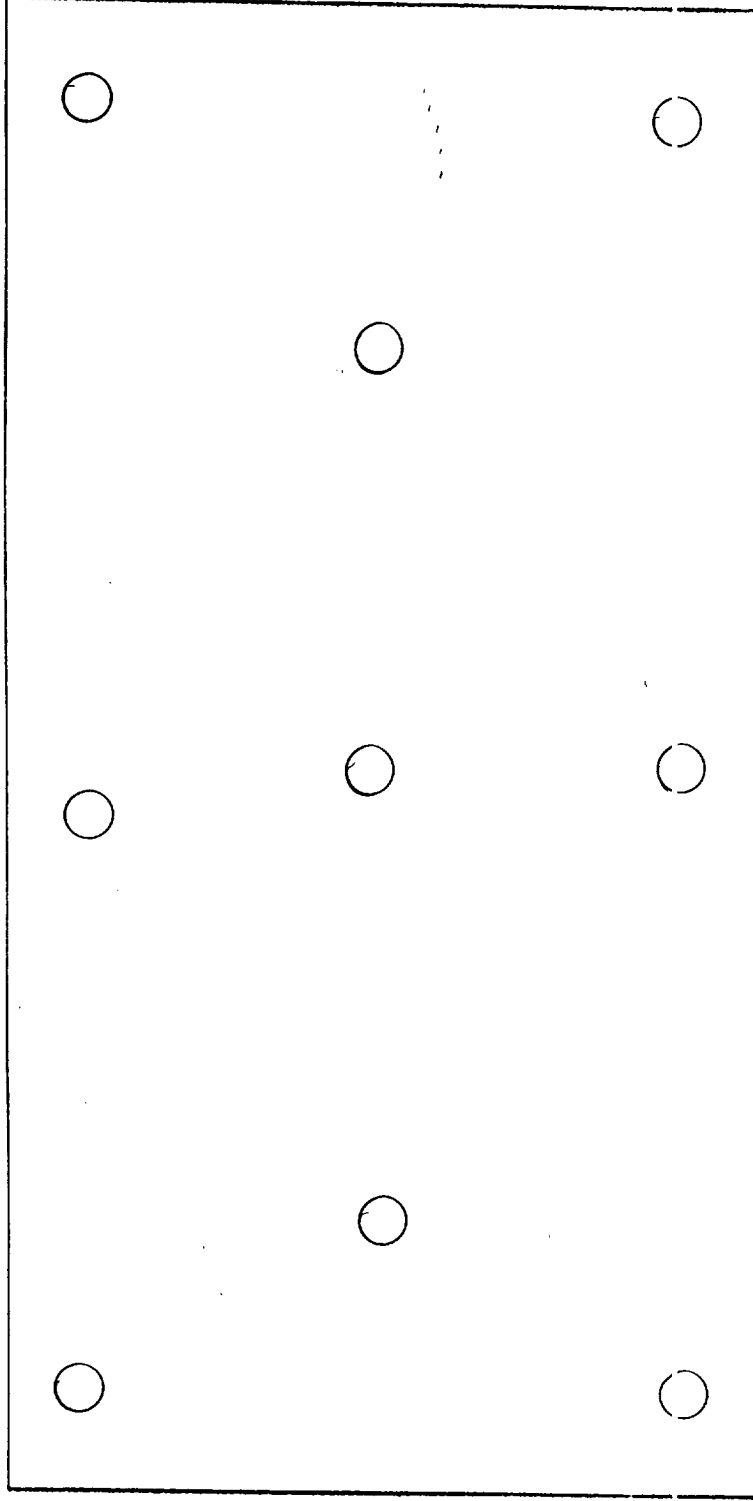
SAMPLE DATE:

8-14-97

DIMENSIONS:

55' L x 40' W x 12' H

○ = SAMPLE AREA

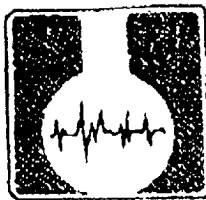


NOTES:

ALL SAMPLES TAKEN 10" TO 12" INTO CELL

9 Point Composite Sample

P.O Composite Reading. 0.2 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 25, 1997 12:43

**CERTIFICATE OF ANALYSIS
RESULTS BY SAMPLE**

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

WORKORDER # : 9708188
WORK ID : JICARILLA PIT CLOSURES
CLIENT CODE : APA01
DATE RECEIVED : 08/20/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9708188-01A
Sample ID: A 118 #16 CELL #1

Collected: 08/18/97 13:00:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/kg	0.0050	100	08/22/97	SBTXME186
Toluene	ND	mg/kg	0.0050	100	08/22/97	SBTXME186
Ethylbenzene	ND	mg/kg	0.0050	100	08/22/97	SBTXME186
P-&m-Xylene	ND	mg/kg	0.010	100	08/22/97	SBTXME186
O-Xylene	ND	mg/kg	0.0050	100	08/22/97	SBTXME186

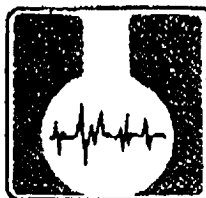
Lab ID: 9708188-01B
Sample ID: A 118 #16 CELL #1

Collected: 08/18/97 13:00:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	830	mg/Kg	25	25	08/21/97	SDR0049

William P. Biava
William P. Biava
President





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LABORATORIES, INC.**

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Report Generated:
August 22, 1997 14:55

**CERTIFICATE OF ANALYSIS
RESULTS BY SAMPLE**

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

WORKORDER # : 9708171
WORK ID : JICARILLA PIT CLOSURES
CLIENT CODE : APA01
DATE RECEIVED : 08/15/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9708171-01A
Sample ID: A118 #16 CELL #2

Collected: 08/14/97 15:00:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/kg	0.0050	100	08/20/97	SBTXME185
Toluene	ND	mg/kg	0.0050	100	08/20/97	SBTXME185
Ethylbenzene	ND	mg/kg	0.0050	100	08/20/97	SBTXME185
P-&m-Xylene	ND	mg/kg	0.010	100	08/20/97	SBTXME185
O-Xylene	ND	mg/kg	0.0050	100	08/20/97	SBTXME185

Lab ID: 9708171-01B
Sample ID: A118 #16 CELL #2

Collected: 08/14/97 15:00:00
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	08/22/97	SDRO047

William P. Biava
William P. Biava
President



Chain of Custody Record

8171 8/5/8

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

MELQUIADES ALANIS

CHINA 1970-1979

CIUDAD JUAREZ, CHIHUAHUA MEXICO 32220

Project Manager / Contact ~~Jeff Cross~~

Telephone No. (505) 774-6643

Fax No. (505) 774-6624

Samplers: (Signature) John Plachar

Contract / Purchase Order / Quote

Signature	Committee
Date	
Instructions	

Instructions:

[illegible]

Comments: _____

[illegible]

For analysis, samples are to be:

☐ Disposed of (additional fee)

☐ Stored (30 days max)

☐ Stored over 30 days (additional fee)

☐ Returned to customer

LABORATORY

WORKORDER COMMENTS

DATE : 08/22/97

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
