

District III

1000 Rte. Brazos Rd

Aztec, NM 87410

State of New Mexico

Energy, Minerals and Natural Resources Department

DEPUTY OIL & GAS INSPECTOR

OIL CONSERVATION DIVISION

2040 S. PACHECO

Santa Fe, New Mexico 87505

Submit 1 copy to

Appropriate District

and 1 copy to
Santa Fe Office

DEC 17 1998

RECEIVED
JUL 6 1999**PIT REMEDIATION AND CLOSURE REPORT**OIL CON. DIV.
DIST. 3Operator: **Apache Corporation**Telephone: **505-325-0318**Address: **2855 Southside River Road, Suite A, Farmington, NM 87401**Facility or Well Name: **Apache # 125 #16**Location: Unit or Qtr/Qtr Sec **H Sec 36 T 25 N R 4W** County **Rio Arriba**Pit Type: Separator: _____ Dehydrator _____ Other **Blow Pit**Land Type: **Jicarilla Tribal**Beginning Pit Dimensions: Length **15'** Width **15'** Depth **2'**Pit Location: Ending Pit Dimensions: Length **20'** Width **20'** Depth **3'**

(Attach diagram)

Reference: Wellhead **XXX** Other _____Footage from reference: **125'**Direction from reference: **220** Degrees **X** East **XX** North
of **X** West 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:**

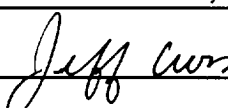
(Horizontal distance to perennial

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) **0**RANKING SCORE (TOTAL POINTS) **0**

Date Remediation Started:		<u>6/20/97</u>		Date Completed:		<u>6/21/97</u>	
Remediation Method: (Check all appropriate sections)		Excavation <u>XXX</u>		Approx. cubic yards		<u>100</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 3', took PID readings.</u>					
		<u>Spread soil on location for remediation. Took soil samples. Hit Bedrock @3'. Sprayed pit</u>					
		<u>with liquid fertilizer. Remediated soil to be put back in pit.</u>					

Groundwater Encountered:		No <u>XX</u>		Yes _____		Depth _____	
Final Pit:		Sample location		<u>4 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>3'</u>		<u>8 to 10" into pit sidewalls 10" into pit bottom</u>			
		Sample Date		<u>6/21/97</u>		Sample Time <u>9:00 A.M.</u>	
		Sample results					
		Benzene		(ppm)		<u>ND</u>	
		Total BTEX		(ppm)		<u>ND</u>	
		Field Headspace		(ppm)		<u>13.1</u>	
		TPH				<u>3600/side</u> <u>2000/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>June 24, 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>JAT125 # 16</u>																												
Location:	Unit or Qtr/Qtr	Sec <u>H</u>	SEC 36 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>																												
<table border="0" style="width: 100%;"> <tr> <td>Pit Location:</td> <td>Pit Dimensions:</td> <td>Length <u>20'</u></td> <td>Width <u>20'</u></td> <td>Depth <u>3'</u></td> </tr> <tr> <td>(Attach diagram)</td> <td>Reference:</td> <td>Wellhead <u>XXX</u></td> <td>Other <u> </u></td> <td></td> </tr> <tr> <td></td> <td>Footage from reference:</td> <td colspan="3"><u>125'</u></td> </tr> <tr> <td></td> <td>Direction from reference:</td> <td><u>220</u> Degrees</td> <td><u> </u> East</td> <td>North <u> </u></td> </tr> <tr> <td></td> <td></td> <td><u>X</u> West</td> <td>of</td> <td>South <u>XX</u></td> </tr> </table>				Pit Location:	Pit Dimensions:	Length <u>20'</u>	Width <u>20'</u>	Depth <u>3'</u>	(Attach diagram)	Reference:	Wellhead <u>XXX</u>	Other <u> </u>			Footage from reference:	<u>125'</u>				Direction from reference:	<u>220</u> Degrees	<u> </u> East	North <u> </u>			<u>X</u> West	of	South <u>XX</u>
Pit Location:	Pit Dimensions:	Length <u>20'</u>	Width <u>20'</u>	Depth <u>3'</u>																								
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		<u>X</u> West	of	South <u>XX</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: 6/20/97 Date Completed: 6-21-97

Remediation Method: (Check all appropriate sections)
 Excavation XXX Approx. cubic yards 100
 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 3', took PID readings. spread soil on location for remediation. Took soil samples. HIT BEDROCK @ 3' SPRAYED PIT WITH LIQUID FERTILIZER. Remediated soil to be put back in pit

Groundwater Encountered: No XXX Yes _____ Depth _____

Final Pit: Sample location 4 POINT COMPOSITE SAMPLE TAKEN 8 TO 10" INTO PIT

Closure Sampling: (in multiple samples, attach sample results and diagram of sample locations and depths)
SIDEWALLS, GRAB SAMPLE TAKEN 10" INTO PIT BOTTOM CENTER.

Sample depth 3' 8" to 10" into pit side walls, 10" into pit bottom.

Sample Date 6/21/97 Sample Time 9:00AM

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>13.1</u>		Ethylbenzene	(ppb)	<u>NA</u>
	TPH	(ppm)	<u>3600\SIDE</u> <u>2000\BTM</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 6-8-98 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 Marshall DATE: 6-23-98

M W PETROLEUM/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

LOCATION JAT 125 # 16

PIT COUNT 1

Jicarilla Apache Tribal EPO/OCD/BLM

Review and Approval

OCD-BLM

EPO Representative

Date of Review

Excavation								
DIMENSIONS			START: 6/20/97	FINISH: 6/21/97				
	W	L	D		W	L	D	CU YDS
Pit 1	15'	15'	2'	Pit 1	20'	20'	3'	100
Pit 2				Pit 2				
Pit 3				Pit 3				
		Pit 1 @ 3'	Pit 2 @	Pit 3 @		Pit 1 @ 3'	Pit 2 @	Pit 3 @
P	Center	1.8			P	Center	1.8	
I	NW Corner	1.6			I	NW Corner	1.6	
D	NE Corner	12.1			D	NE Corner	12.1	
	SW Corner	22				SW Corner	22	
	SE Corner	28				SE Corner	28	

NOTES:

6/20/97 START EXCAVATION ON PIT , EXCAVATE TO 3' AND HIT BED ROCK.

LIGHT STAINING AND NO ODOR.

6/21/97 EXCAVATE PIT SIDE WALLS TOOK PID READINGS (GOOD).

TOOK SOIL SAMPLES AND SENT TO ASSAIGAI LABS.

SOIL SAMPLING

DATE: 6/21/97		Pit 1 @ 3'	Pit 2 @	Pit 3 @	ANALYSIS RESULTS			PER LAB	ASSAIGAI
P	Center	1.8			PIT NO	TPH	BETEX	WITNESS	DATE
I	NW Corner	1.6				SIDE\BTM	SIDE\BTM		
D	NE Corner	12.1			1	3600\2000	ND\ND	JEFF C.	6/25/97
	SW Corner	22			2				
	SE Corner	28			3				

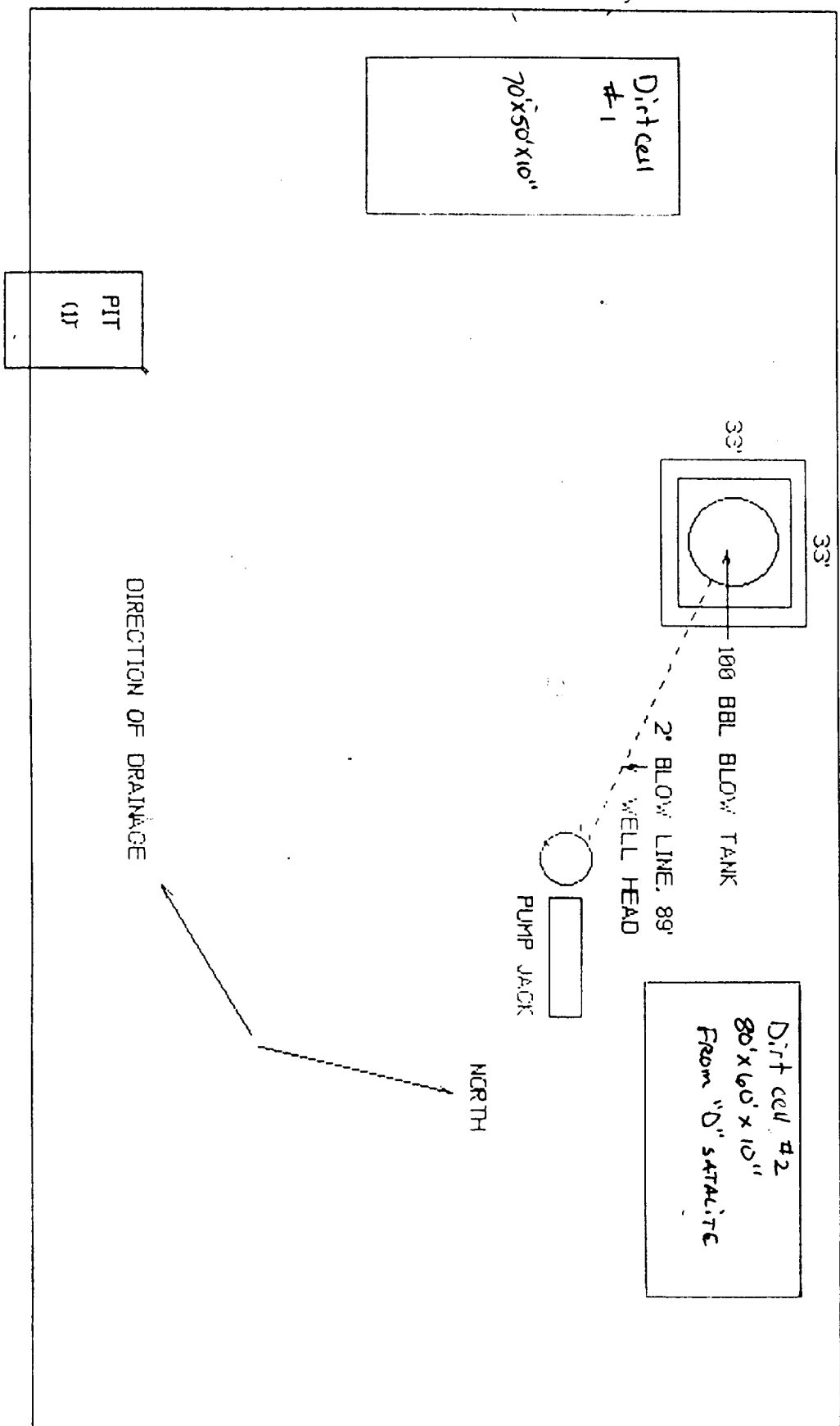
RE-SAMPLE OR CELL(S) SAMPLE

DATE:		Pit 1 @	Pit 2 @	Pit 3 @	ANALYSIS RESULTS			PER LAB	
P	Center				PIT NO	TPH	BETEX	WITNESS	DATE
I	NW Corner								
D	NE Corner				1				
	SW Corner				2				
	SE Corner				3				

RE-SAMPLE OR CELL(S) SAMPLE

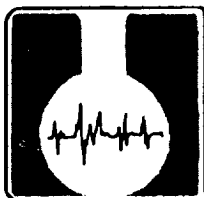
DATE:		Pit 1 @	Pit 2 @	Pit 3 @	ANALYSIS RESULTS			PER LAB	
P	Center				PIT NO	TPH	BETEX	WITNESS	DATE
I	NW Corner								
D	NE Corner				1				
	SW Corner				2				
	SE Corner				3				

M V PETROLEUM
JICARILLA APACHE TRIBAL 125 WELL 16
SE/4 NE/4 (H)
SECTION 36, TOWNSHIP 25N, RANGE 4W
RIO ARriba COUNTY, NM





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.**

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 16:11

**CERTIFICATE OF ANALYSIS
RESULTS BY SAMPLE**

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

WORKORDER # : 9706227
WORK ID : JICARILLA PIT CLOSURES
CLIENT CODE : APA01
DATE RECEIVED : 06/23/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9706227-01A
Sample ID: JAT 125 #16 SIDES

Collected: 06/21/97 09:00:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/kg	0.0050	250	06/25/97	SBTXME172
Toluene	ND	mg/kg	0.0050	250	06/25/97	SBTXME172
Ethylbenzene	ND	mg/kg	0.0050	250	06/25/97	SBTXME172
P-&m-Xylene	ND	mg/kg	0.010	250	06/25/97	SBTXME172
O-Xylene	ND	mg/kg	0.0050	250	06/25/97	SBTXME172

Lab ID: 9706227-01B
Sample ID: JAT 125 #16 SIDES

Collected: 06/21/97 09:00:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015						
Diesel Range OG in Soil	3600	mg/Kg	50	25	06/28/97	SDRO037

Lab ID: 9706227-02A
Sample ID: JAT 125 #16 BOTTOM

Collected: 06/21/97 09:15:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/kg	0.0050	100	06/25/97	SBTXME172
Toluene	ND	mg/kg	0.0050	100	06/25/97	SBTXME172
Ethylbenzene	ND	mg/kg	0.0050	100	06/25/97	SBTXME172
P-&m-Xylene	ND	mg/kg	0.010	100	06/25/97	SBTXME172
O-Xylene	ND	mg/kg	0.0050	100	06/25/97	SBTXME172



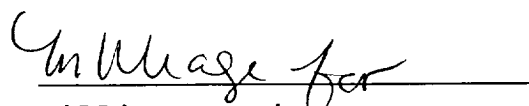
Lab ID: 9706227-02B

Sample ID: JAT 125 #16 BOTTOM

Collected: 06/21/97 09:15:00

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	2000	mg/Kg	50	25	06/28/97	SDRO037


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

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>2855 SOUTHSIDE RIVER ROAD / SUITE A / FARMINGTON, N. M. 87401-7947</u>	
Facility or Well Name: <u>JAT 125 # 16</u>	
Location: Unit or Qtr/Qtr Sec <u>SEISE</u> Sec <u>25</u> T <u>25N</u> R <u>4W</u> County <u>RIO ARRIBA</u>	
Land Type <u>JIC. TRIBAL</u>	
Date Remediation Started: _____ Date Completed: <u>5/21/98</u>	
Remediation Method: Landfarmed <u>XXX</u> Approx. cubic yards _____	
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>5/21/98</u> Time: <u>12:10PM</u> Sample Results: Field Headspace (ppm) <u>ND</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>6/8/98</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>Kevin M...</u> DATE: <u>6-23-98</u>	

M W PETROLEUM/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE JAT - 125 # 16

* AMOUNT OF SOIL UNDERGOING REMEDIATION 100 Yds.

CELL No. <u>1</u>	SampDATE 9/9/97	TPH 1700	BTEX ND
	5/21/98	ND	ND
DIMENSIONS(LxWxH) <u>70' X 50' X 10"</u>			
CELL LOCATION (dir. from well head) <u>WEST</u>			
* DATE BEGAN: <u>6/20/97</u>			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm) <u>5/21/98</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)			
6/23/97 TREAT SOIL WITH 46-0-0 FERTILIZER, WATER, PLOW AND TILL SOIL.			
6/25/97 PLOW AND TILL SOIL.			
7/15/97 TILL SOIL.			
8/7/97 WATER, PLOW AND TILL SOIL.			
9/8/97 TILL SOIL.			
10/20/97 TREAT SOIL WITH 25LBS PHOSPHORUS, 33LBS LIME, WATER, PLOW AND TILL SOIL.			
5/6/98 PLOW SOIL. 5/7/98 TILL SOIL. 5/12/98 PLOW SOIL.			
5/13/98 TILL SOIL. 5/20/98 PLOW AND TILL SOIL.			

WELL NAME:

JAT 125 #16

SAMPLE DATE:

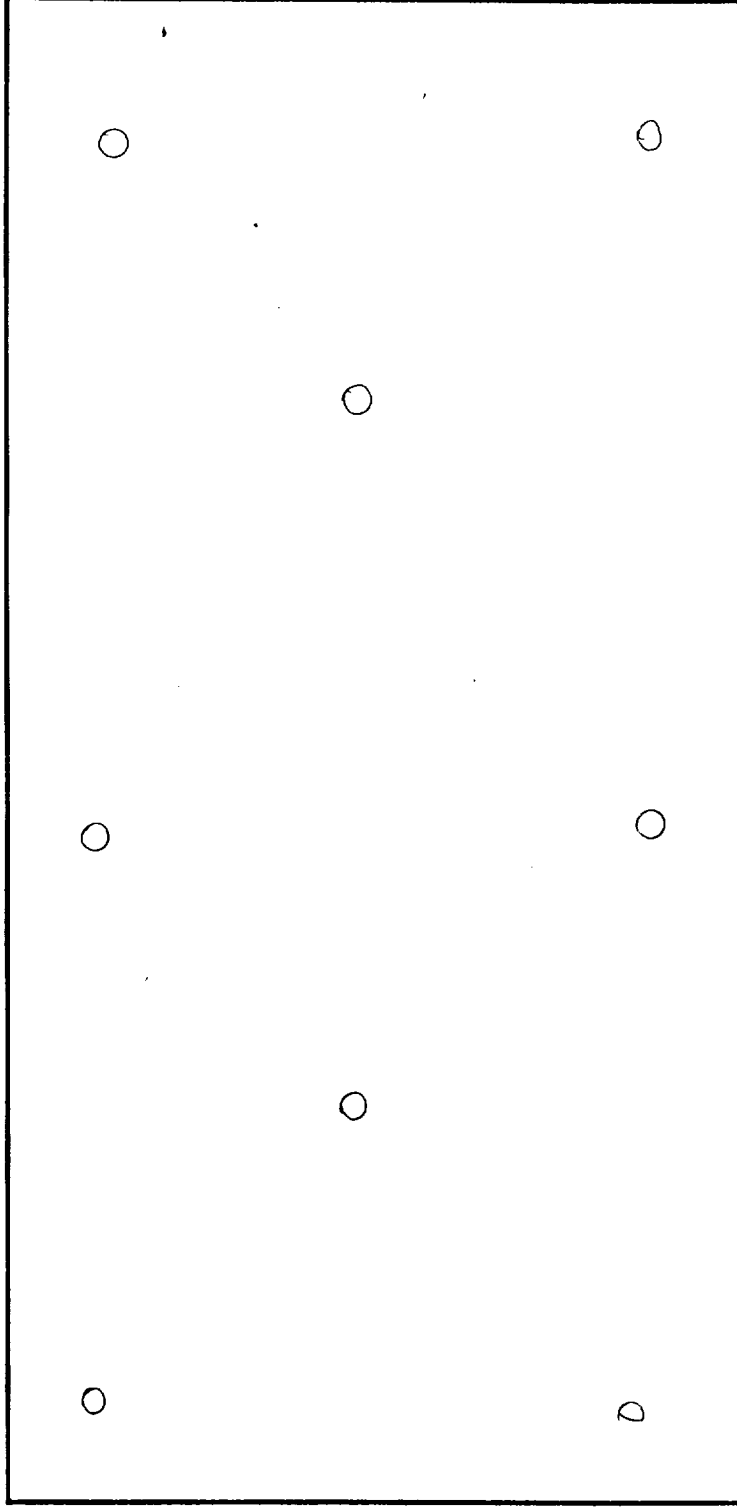
5-21-98

DIMENSIONS:

70' x 50' x 12"



= SAMPLE AREA



NOTES:

ALL SAMPLES TAKEN 10" TO 12" INTO CELL.

8 point composite sample

WELL NAME:

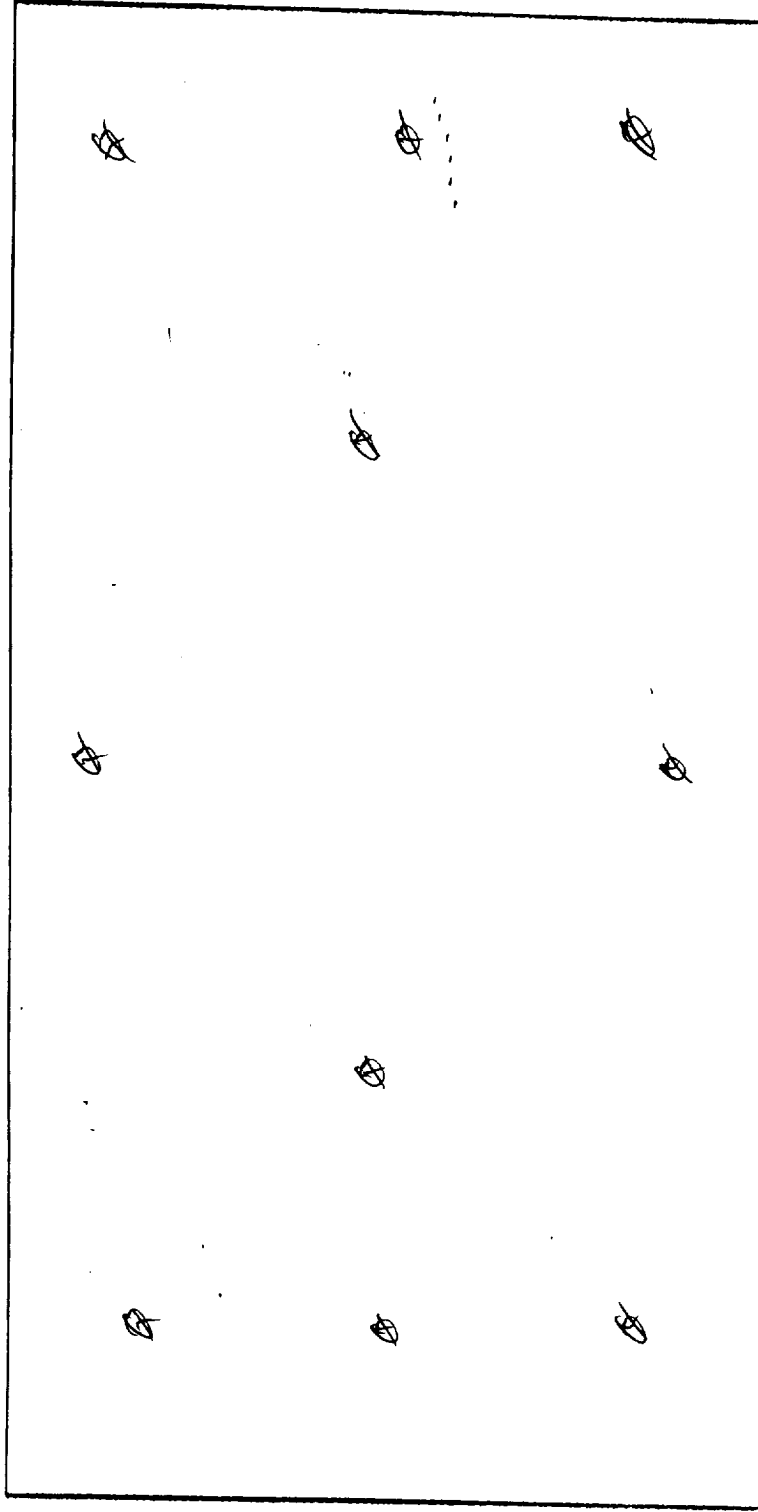
JAT 125-16

SAMPLE DATE:

9/2/97

DIMENSIONS:

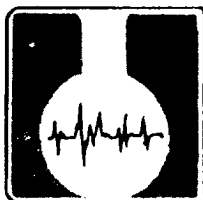
= SAMPLE AREA



NOTES:

ALL SAMPLES TAKEN 10" TO 12" INTO CELL

Took 4 10 foot core samples

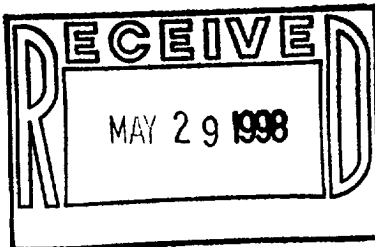


ASSAIGAI ANALYTICAL LABORATORIES, INC.

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

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: 9805208 JICARILLA

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

Client Sample ID: JAT 125 #16 CELL Sample Matrix: SOIL Sample Collected: 05/21/98 12:10:00

Fraction	QC Group	CAS #	Result	Units	Dilution Factor	Detection Limit	*	Sequence	Run Date
SW846-8020 Volatiles									
9805208-01A	X98285	71-43-2	Benzene	ND	mg / Kg	50	0.005	XG.1998.484-21	05/23/98
	X98285	100-41-4	Ethylbenzene	ND	mg / Kg	50	0.005	XG.1998.484-21	
	X98285	95-47-6	o-Xylene	ND	mg / Kg	50	0.005	XG.1998.484-21	
	X98285		p/m Xylenes	ND	mg / Kg	50	0.01	XG.1998.484-21	
	X98285	108-88-3	Toluene	ND	mg / Kg	50	0.005	XG.1998.484-21	
SW846-8015 Modified TPH									
9805208-01B	X98286		Diesel Range Organics	ND	mg / Kg	25	25	XG.1998.488-26	05/23/98

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





Chain of Custody Record

7300 JEFFERSON, N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505) 245-8964

Lab job no.: 5200 Date 5/22/78

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

Page _____ of _____

Client Apache Corporation Project Manager / Contact Jeff Cross

Address 2855 Southside River RD, Ste. A Telephone No. (505) 774-6643

City/State/Zip Farmington, NM 87401-7947 Fax No. (505) 774-6624

Project Name / Number _____

Samplers: (Signature) Jeff Lewis

Contract / Purchase Order / Quote _____

[illegible]

Relinquished by: Signature <u>Jeff Cross</u> Printed <u>JEFF CROSS</u> Company <u>Apache Corp</u> Reason _____	Date <u>5-22-98</u> Time <u>1:00</u>	Received by: Signature <u>Scott Pratt</u> Printed <u>SCOTT PRATT</u> Company <u>AAI</u> Reason _____	Relinquished by: Signature <u>Scott Pratt</u> Printed <u>SCOTT PRATT</u> Company <u>AAI</u> Reason _____
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Received by:	Relinquished by:
Signature <u>Scott Pratt</u>	Signature <u>Scott Pratt</u>
Printed <u>SCOTT PRATT</u>	Printed <u>SCOTT PRATT</u>
Company <u>AAL</u>	Company <u>AAL</u>
Reason _____	Reason _____

Date	22 May 98	Received by:	
Time	15:30	Signature	
		Printed	C. J. Smith
		Company	AAU
		Reason	

Method of Shipment: _____	Comments: _____
Shipment No. _____	_____
Special Instructions: _____	_____

After analysis, samples are to be:

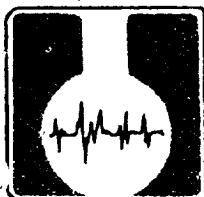
☐ Disposed of (additional fee)

☐ Stored (30 days max)

☐ Stored over 30 days (additional fee)

☐ Returned to customer

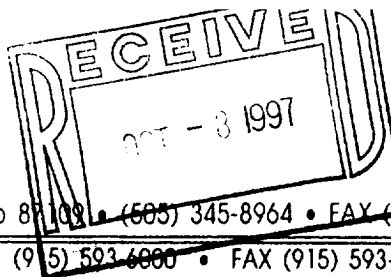
LABORATORY



**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:

September 23, 1997 10:43

**CERTIFICATE OF ANALYSIS
RESULTS BY SAMPLE**

SENT APACHE CORPORATION

WORKORDER # : 9709114

TO: 2855 SOUTHSIDE RIVER RD STE

AWORK ID : JICARILLA PIT CLOSURES

FARMINGTON, NM 87401-7947

CLIENT CODE : APA01

DATE RECEIVED : 09/12/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9709114-01A

Collected: 09/09/97 08:53:00

Sample ID: JAT 125-16 CELL

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/kg	0.0050	100	09/14/97	X97262
Toluene	ND	mg/kg	0.0050	100	09/14/97	X97262
Ethylbenzene	ND	mg/kg	0.0050	100	09/14/97	X97262
P-&m-Xylene	ND	mg/kg	0.010	100	09/14/97	X97262
O-Xylene	ND	mg/kg	0.0050	100	09/14/97	X97262

Lab ID: 9709114-01B

Collected: 09/09/97 08:53:00

Sample ID: JAT 125-16 CELL

Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015						
Diesel Range OG in Soil	1700	mg/Kg	25	25	09/18/97	SDRO53


William P. Biava
President



WORKORDER COMMENTS

DATE : 09/23/97
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

ASSAIGAI ANALYTICAL LABORATORIES

LABORATORY