

District III

1000 Rio Brazos Rd

Aztec, NM 87410

OIL & GAS INSPECTOR

FEB 08 1999

State of New Mexico

Energy, Minerals and Natural Resources Department

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

RECEIVED
DEC - 8 1999Operator: Apache Corporation \ MW Petroleum

Telephone:

505-325-0318

Address: 2855 Southside River Road, Suite A, Farmington, NM 87401Facility or Well Name: Jic Apache Tribal 124 #2Location: Unit or Qtr/Qtr Sec SE/NW Sec 23 T 25 N R 4W County Rio ArribaPit Type: Separator: _____ Dehydrator _____ Other Blow PitLand Type: Jicarilla Tribal

Beginning Pit Dimensions: Length 35' Width 40' Depth 2'

Pit Location: Ending Pit Dimensions: Length 50' Width 40' Depth 6'

(Attach diagram) Reference: Wellhead XXX Other _____

Footage from reference: 200'

Direction from reference: 90 Degrees XX East North
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)	<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)	<u>0</u>

Distance To Surface Water:

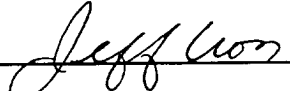
(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

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:		<u>6/27/97</u>	Date Completed:		<u>6/30/97</u>
Remediation Method: (Check all appropriate sections)		Excavation	<u>XXX</u>	Approx. cubic yards	<u>296</u>
		Landfarmed	<u>XX</u>	In situ 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 6' , took PID readings. Spread soil on</u>			
		<u>location for remediation. Took soil samples.</u>			
Groundwater Encountered:		No	<u>XX</u>	Yes	Depth <u> </u>

Final Pit:		Sample location		<u>4 point composite sample taken from pit sidewalls. Grab sample</u>	
Closure Sampling: (in multiple samples, attach sample results and diagram of sample locations and depths)		Sample depth		<u>6' 8 to 10" into pit sidewalls 10" into pit bottom</u>	
		Sample Date		<u>6/30/97</u>	
		Sample results		Sample Time <u>11:50 AM</u>	
		Benzene	(ppm)	<u>ND</u>	
		Total BTEX	(ppm)	<u>ND</u>	
		Field Headspace	(ppm)	<u>0</u>	
		TPH		<u>Side/2900</u>	
				<u>Btm/3100</u>	
Groundwater Sample:		Yes	<u> </u>	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			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>2855 SOUTHSIDE RIVER ROAD / SUITE A / FARMINGTON N.M. 87401-7947</u>																												
Facility or Well Name: <u>JAT 124# 2</u>																												
Location:	Unit or Qtr/Qtr Sec	<u>SENW SEC 23</u>	T <u>25N</u> R <u>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>																												
<table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Pit Location:</td> <td style="width: 20%;">Pit Dimensions:</td> <td style="width: 20%;">Length <u>50'</u></td> <td style="width: 20%;">Width <u>40'</u></td> <td style="width: 25%;">Depth <u>6'</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>200'</u></td> </tr> <tr> <td></td> <td>Direction from reference:</td> <td><u>90</u> Degrees</td> <td><u>XX</u> East</td> <td>North <u> </u></td> </tr> <tr> <td></td> <td></td> <td></td> <td><u> </u> West</td> <td>of South <u> </u></td> </tr> </table>				Pit Location:	Pit Dimensions:	Length <u>50'</u>	Width <u>40'</u>	Depth <u>6'</u>	(Attach diagram)	Reference:	Wellhead <u>XXX</u>	Other <u> </u>			Footage from reference:	<u>200'</u>				Direction from reference:	<u>90</u> Degrees	<u>XX</u> East	North <u> </u>				<u> </u> West	of South <u> </u>
Pit Location:	Pit Dimensions:	Length <u>50'</u>	Width <u>40'</u>	Depth <u>6'</u>																								
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			<u> </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: 6/27/97 Date Completed: 6/30/97

Remediation Method: Excavation XXX Approx. cubic yards 296
(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 6', took PID readings. spread soil on location for remediation. Took soil samples.

Groundwater Encountered: No XXX Yes _____ Depth _____

Final Pit: Sample location 4 point composite taken from pit sidewalls.

Closure Sampling: 1 POINT GRAB SAMPLE FROM PIT BOTTOM CENTER.
(in multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth 6' 8" to 10" into pit side walls, 10" into pit bottom.

Sample Date 6/30/97 Sample Time 11:50AM

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>0</u>		Ethylbenzene	(ppb)	<u>NA</u>
	TPH	(ppm)	<u>2900\SIDE</u> <u>3100\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 5/7/98 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: Kevin C. Mammill DATE: 5-7-98

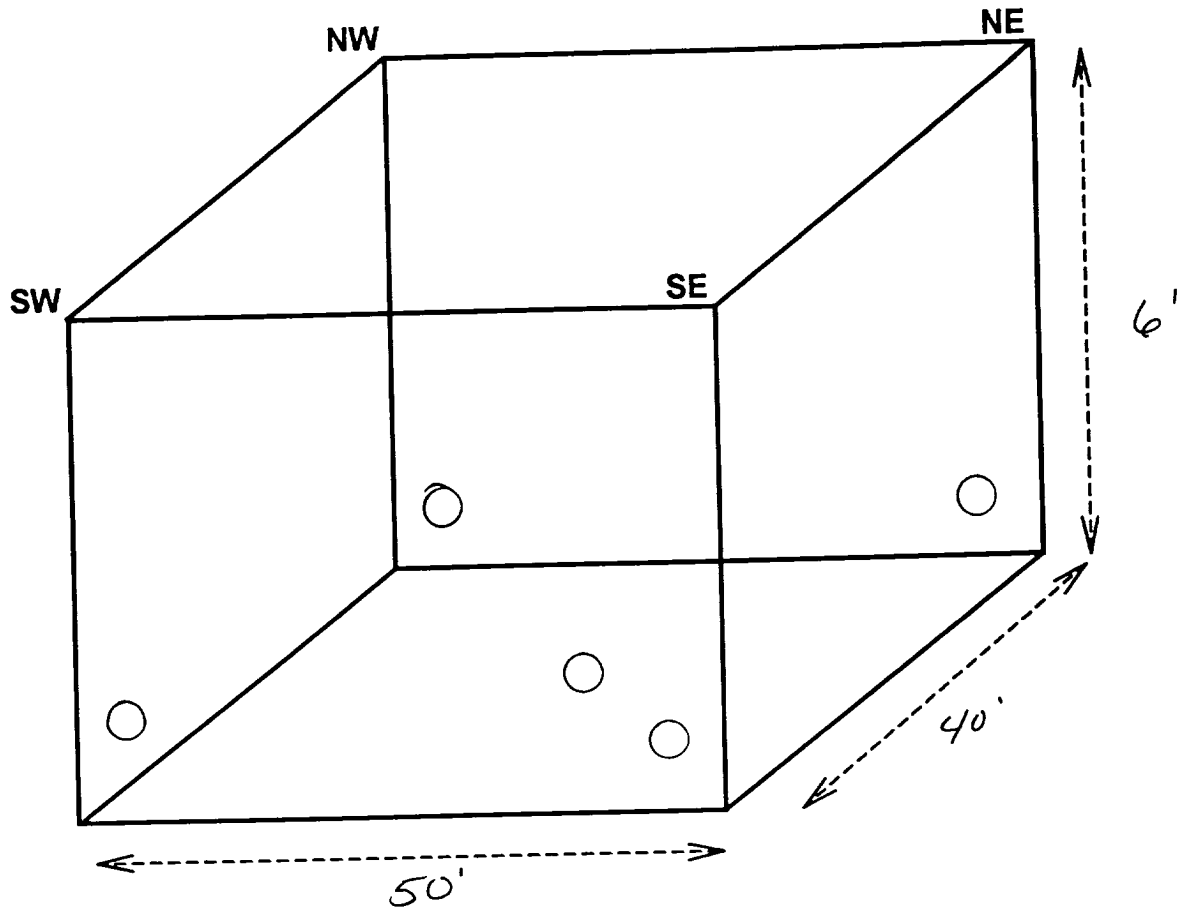
M W PETROLEUM/FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

LOCATION JAT 124 # 2

PIT COUNT 1

Date of Review

[illegible]

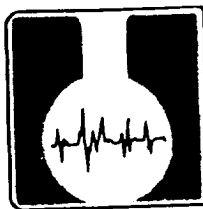


○ = SAMPLE AREA

WELL NAME JAT 124 # 2

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 14:50

**CERTIFICATE OF ANALYSIS
RESULTS BY SAMPLE**

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

WORKORDER # : 9707038
WORK ID : JICARILLA PIT CLOSURES
CLIENT CODE : APA01
DATE RECEIVED : 07/04/97

ATTN: JEFF CROSS

Page: 1

Lab ID: 9707038-01A
Sample ID: JAT 124 #2 SIDES

Collected: 06/30/97 11:50:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A	ND	mg/kg	0.0050	100	07/08/97	SBTXME175
Benzene	ND	mg/kg	0.0050	100	07/08/97	SBTXME175
Toluene	ND	mg/kg	0.0050	100	07/08/97	SBTXME175
Ethylbenzene	ND	mg/kg	0.010	100	07/08/97	SBTXME175
P-&m-Xylene	ND	mg/kg	0.0050	100	07/08/97	SBTXME175
O-Xylene	ND	mg/kg				

Lab ID: 9707038-01B
Sample ID: JAT 124 #2 SIDES

Collected: 06/30/97 11:50:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015	2900	mg/Kg	50	25	07/09/97	SDRO040
Diesel Range OG in Soil						

Lab ID: 9707038-02A
Sample ID: JAT 124 #2 BOTTOM

Collected: 06/30/97 12:00:00
Matrix: SOIL

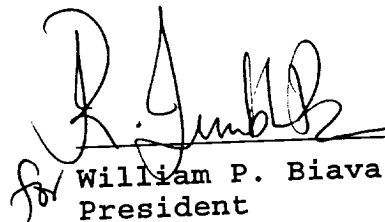
TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A	ND	mg/kg	0.0050	100	07/08/97	SBTXME175
Benzene	ND	mg/kg	0.0050	100	07/08/97	SBTXME175
Toluene	ND	mg/kg	0.0050	100	07/08/97	SBTXME175
Ethylbenzene	ND	mg/kg	0.010	100	07/08/97	SBTXME175
P-&m-Xylene	ND	mg/kg	0.0050	100	07/08/97	SBTXME175
O-Xylene	ND	mg/kg				



ID: 9707038-02B
Sample ID: JAT 124 #2 BOTTOM

Collected: 06/30/97 12:00:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
Diesel Range OG Soil/M8015 Diesel Range OG in Soil	3100	mg/Kg	50	25	07/09/97	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 87103
(505) 345-8964

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

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) [Signature]

Contract / Purchase Order / Quote _____

[illegible]

Relinquished by:	Date	Received by:	Relinquished by:
Signature _____ Printed _____ Company _____	Time _____	Signature _____ Printed _____ Company _____	Signature _____ Printed _____ Company _____

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

LABORATORY

NORTH

DRAINAGE

JACARILLA APACHE 124 WELL #2
SE/4 NW/4
SECTION 23, T25N-R4W.
RIO ARriba COUNTY, NM.

Cell #1
100'x55'x12"

Cell #2
55'x50'x12"

FUEL GAS LINE

PUMP JACK

WELL HEAD

3" FLOW LINE

200' FLOW
90° BENT
PIT

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 124 # 2 CELL # 1</u>			
Location: Unit or Qtr/Qtr Sec		SEWNW SEC 23 T 25 N R 4 W County <u>RIO ARRIBA</u>	
Land Type		<u>JIC. TRIBAL</u>	
Date Remediation Started: <u>6/27/97</u>		Date Completed: <u>8/17/98</u>	
Remediation Method: Landfarmed		<u>XXX</u> Approx. cubic yards <u>200</u>	
Composted		<u> </u>	
Other		<u>REMEDIATED SOIL TO BE SPREAD ON LOCATION.</u>	
Depth to Groundwater: (pts) <u>0</u>		Final Closure Sampling Sampling Date: <u>8/17/98</u> Time: <u>1:15PM</u> Sample Results: Field Headspace (ppm) <u>0</u> TPH (ppm) <u>1900</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 <u> </u> (REASON) <u> </u>			
SIGNED: <u>Kent Maull</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 124 # 2 CELL # 2</u>	
Location: Unit or Qtr/Qtr Sec <u>SEWW SEC 23 T 25 N R 4 W</u> County <u>RIO ARRIBA</u>	
Land Type <u>JIC. TRIBAL</u>	
Date Remediation Started: <u>6/27/97</u> Date Completed: <u>8/17/98</u>	
Remediation Method: Landfarmed <u>XXX</u> Approx. cubic yards <u>96</u>	
Composted _____	
Other <u>REMEDIED SOIL TO BE SPREAD ON LOCATION.</u>	
Depth to Groundwater: (pts) <u>0</u>	Final Closure Sampling Sampling Date: <u>8/17/98</u> Time: <u>1:25PM</u> Sample Results: Field Headspace (ppm) <u>0</u> TPH (ppm) <u>770</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) _____	
SIGNED: <u>Kent M...</u> DATE: <u>11-13-98</u>	

M W PETROLEUM/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDICATION SITE

JAT 124 # 2

* AMOUNT OF SOIL UNDERGOING REMEDIATION

296 Yds.

CELL No. <u>1</u>	SampDATE 8/17/98	TPH 1900	BTEX ND
DIMENSIONS(LxWxH) <u>100' X 55' X 12"</u>			
CELL LOCATION (dir. from well head) <u>WEST</u>			
* DATE BEGAN: <u>6/27/97</u>			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm)	<u>8/17/98</u>		

CELL No. <u>2</u>	SampDATE 8/17/98	TPH 770	BTEX ND
DIMENSIONS(LxWxH) <u>55' X 50' X 12"</u>			
CELL LOCATION (dir. from well head) <u>WEST</u>			
* DATE BEGAN: <u>6/27/97</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)

6/30/97 TREAT SOIL WITH 46-0-0 FERTILIZER, WATER, PLOW AND TILL SOIL.

7/15/97 PLOW AND TILL SOIL CELLS.

7/24/97 PLOW AND TILL SOIL CELLS.

8/7/97 WATER, PLOW AND TILL SOIL CELLS.

4/20/98 PLOW AND TILL SOIL CELLS.

5/12/98 PLOW AND TILL SOIL CELLS.

5/28/98 WATER, PLOW AND TILL SOIL.

6/10/98 PLOW AND TILL SOIL.

6/25/98 PLOW AND TILL SOIL.

7/9/98 WATER, PLOW AND TILL SOIL.

7/23/98 PLOW AND TILL SOIL.

8/7/98 PLOW AND TILL SOIL.

8/14/98 PLOW AND TILL SOIL.

From excavation reports.

WELL NAME:

JAT 124 #2 Cell #1

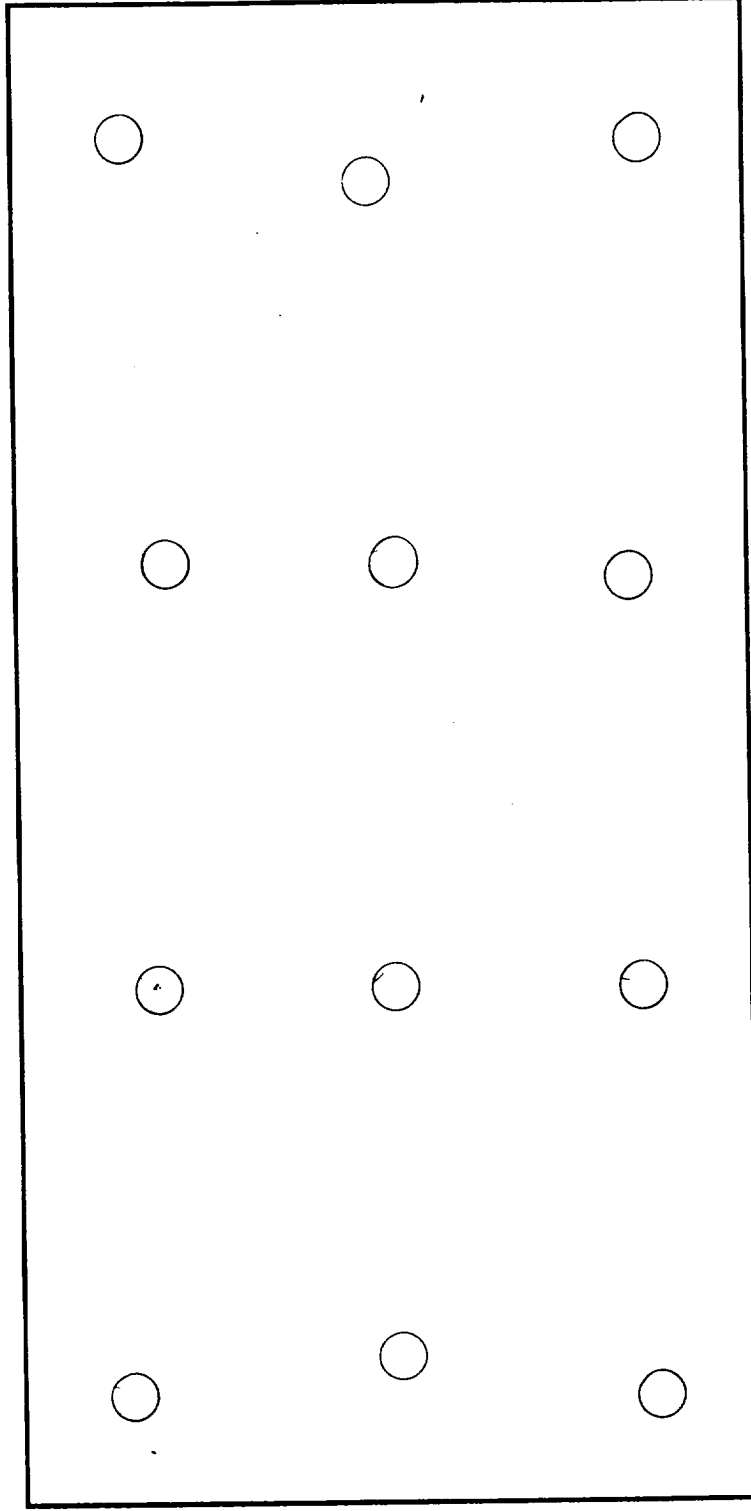
SAMPLE DATE:

8-17-95

DIMENSIONS:

100' x 55' x 12"

○ = SAMPLE AREA



NOTES:

ALL SAMPLES TAKEN 10" TO 12" INTO CELL.

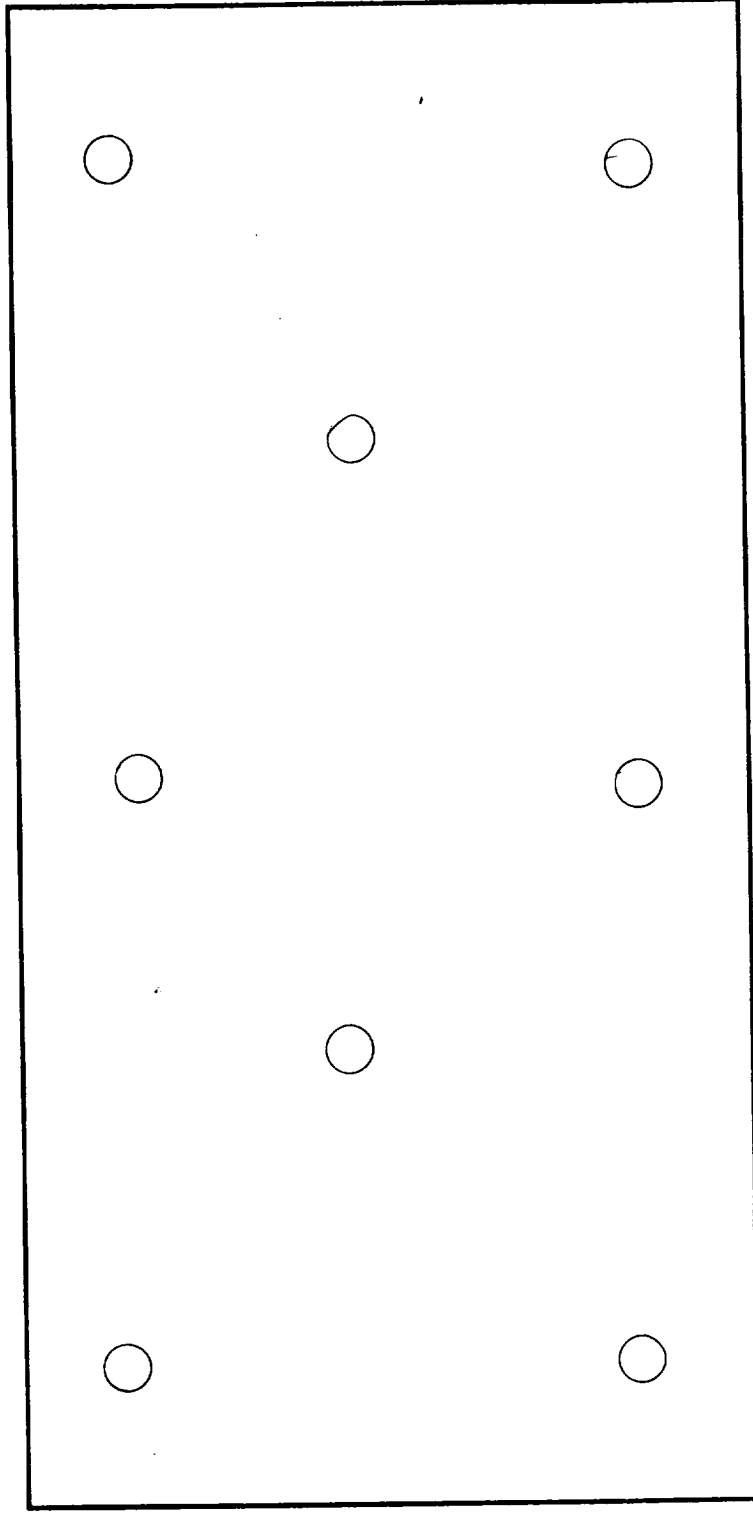
12 point composite sample

WELL NAME: SAT 124 #2 cell #2

SAMPLE DATE: 8-17-98

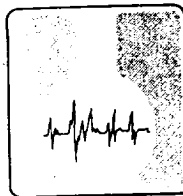
DIMENSIONS: 55' X 30' X 12"

○ = SAMPLE AREA



NOTES: ALL SAMPLES TAKEN 10" TO 12" INTO CELL.

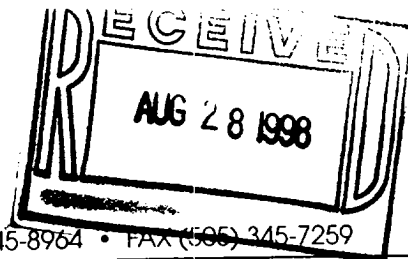
8 point composite sample



ASSAIGAI ANALYTICAL LABORATORIES, INC.

7300 Jefferson, NE • 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
127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558



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: **9808190 JICARILLA PIT CLOSURES**

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

Client Sample ID: **JAT 124 #2 CELL #1** Sample Matrix: **SOIL** Sample Collected: **08/17/98 13:15:00**

Fraction	QC Group	CAS #	Result	Units	Dilution Factor	Detection Limit	Sequence	Run Date
Test: SW846 8010B/8020A Purgeable VOCs by GC/PID-ELCD								
9808190-01A	X98390	71-43-2	ND	mg / Kg	50	0.005	XG.1998.702-13	08/21/98
	X98390	100-41-4	ND	mg / Kg	50	0.005	XG.1998.702-13	
	X98390	95-47-6	ND	mg / Kg	50	0.005	XG.1998.702-13	
	X98390		ND	mg / Kg	50	0.01	XG.1998.702-13	
	X98390		ND	mg / Kg	50	0.005	XG.1998.702-13	
Test: SW846 8015A Diesel Range Organics by GC/FID								
9808190-01B	X98389		1900	mg / Kg	25	25	XG.1998.699-18	08/21/98

Client Sample ID: **JAT 124 #2 CELL #2** Sample Matrix: **SOIL** Sample Collected: **08/17/98 13:25:00**

Fraction	QC Group	CAS #	Result	Units	Dilution Factor	Detection Limit	Sequence	Run Date
Test: SW846 8010B/8020A Purgeable VOCs by GC/PID-ELCD								
9808190-02A	X98390	71-43-2	ND	mg / Kg	50	0.005	XG.1998.702-19	08/21/98
	X98390	100-41-4	ND	mg / Kg	50	0.005	XG.1998.702-19	
	X98390	95-47-6	ND	mg / Kg	50	0.005	XG.1998.702-19	
	X98390		ND	mg / Kg	50	0.01	XG.1998.702-19	
	X98390		ND	mg / Kg	50	0.005	XG.1998.702-19	
Test: SW846 8015A Diesel Range Organics by GC/FID								
9808190-02B	X98389		770	mg / Kg	25	25	XG.1998.699-21	08/21/98



Assaigai Analytical Laboratories, Inc.
Certificate of Analysis

Client: **APACHE CORPORATION**
Project: **9808190 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. ***



ALBUQUERQUE, NEW MEXICO 87109
(505) 345-8964

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

MELQUIADES ALANIS

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CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Project Manager / Contact ~~Jeff Cross~~

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

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

ect Name / Number JICARILLA PIT CLOSURES Samplers: (Signature) [Signature]

Contract / Purchase Order / Quote _____

[illegible]

Issued by: <u>Jeff Lewis</u>	Received by: <u>Don. P. Biana</u>	Relinquished by: <u>Don. P. Biana</u>	Received by: <u>Rick Chubb</u>
Date <u>10/19/98</u>	Signature <u>Don. P. Biana</u>	Signature <u>Don. P. Biana</u>	Signature <u>Rick Chubb</u>
	Printed <u>Don. P. Biana</u>	Printed <u>Don. P. Biana</u>	Printed <u>Rick Chubb</u>
	Company <u>AAL</u>	Company <u>AAL</u>	Company <u>AAL</u>
	Reason <u>Delivery</u>	Reason <u>Analysis</u>	Reason <u>08/21/98 AM.</u>
Time <u>1015</u>			Time <u>1745</u>

1 of Shipment: _____

ent No. _____

Instructions: _____

Comments: _____

After analysis, samples are to be:

☐ Disposed of (additional fee)

☐ Stored (30 days max)

☐ Stored over 30 days (additional fee)

☐ Returned to customer

LABORATORY