

Henry E. Faust
1000 Rio Brazos Rd
Alamogordo, NM 87410
DEPUTY OIL & GAS INSPECTOR

DEC 17 1998

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
2040 S. PACHECO
Santa Fe, New Mexico 87505

OK
Submit 1 copy to
Appropriate District
and 1 copy to
Santa Fe Office

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED
JUL 6 1998
OIL CON. DIV.
DIST. 3

Operator: Apache Corporation		Telephone: 505-325-0318	
Address: 2855 Southside River Road, Suite A, Farmington, NM 87401			
Facility or Well Name: Apache # 126			
Location: Unit or Qtr/Qtr Sec	P	Sec 10	T 24 N R 4W County Rio Arriba
Pit Type: Separator: XXX	Dehydrator	Other	
Land Type: Jicarilla Tribal			
Beginning Pit Dimensions: Length 14' Width 14' Depth 3'			
Pit Location: Ending Pit Dimensions: Length 14' Width 14' Depth 14'	(Attach diagram)		
Reference: Wellhead XXX	Other		
Footage from reference: 165'			
Direction from reference: 110 Degrees XX East North of South X			
Depth To Groundwater:		Less than 50 feet (20 points)	
(vertical distance from		50 feet to 99 feet (10 points)	
contaminants to seasonal		Greater than 100 feet (0 points) 0	
high water elevation of			
groundwater)			
Wellhead Protection Area:		Yes (20 points)	
(Less than 200 feet from a private		No (0 points) 0	
domestic water source, or; less than			
1000 feet from all other water sources)			
Distance To Surface Water:		Less than 200 feet (20 points)	
(Horizontal distance to perennial		200 feet to 1000 feet (10 points)	
lakes, ponds, rivers, streams, creeks,		Greater than 1000 feet (0 points) 0	
irrigation canals and ditches)			
		RANKING SCORE (TOTAL POINTS) 0	

Date Remediation Started:		<u>9/9/95</u>	Date Completed:		<u>9/15/95</u>
Remediation Method: (Check all appropriate sections)		Excavation <u>XXX</u>	Approx. cubic yards		<u>269</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 14', took PID readings.</u>					
<u>Spread soil on location for remediation. Took soil samples. Pit back filled w/ fill dirt</u>					
Groundwater Encountered: No <u>XX</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>14'</u>	<u>8 to 10" into pit sidewalls 10" into pit bottom</u>		
	Sample Date	<u>9/15/95</u>	Sample Time	<u>9:30 A.M.</u>	
	Sample results				
	Benzene	(ppm)	<u>ND</u>		
	Total BTEX	(ppm)	<u>1.67</u>		
	Field Headspace	(ppm)	<u>4.88</u>		
	TPH		<u>1700</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 8, 1998</u>		PRINTED NAME		<u>Jeff Cross</u>	
SIGNATURE <u>Jeff Cross</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>APACHE CORPORATION</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>APACHE # 126</u>			
Location:	Unit or Qtr/Qtr	Sec <u>P</u>	SEC 10 T 24N R 4W County <u>RIO ARRIBA</u>
Pit Type:	Separator: <u>XXX</u>	Dehydrator <u> </u>	Other <u> </u>
Land Type: <u>JIC. TRIBAL</u>			
Pit Location: (Attach diagram)	Pit Dimensions:	Length <u>14'</u>	Width <u>14'</u> Depth <u>14'</u>
	Reference:	Wellhead <u>XXX</u>	Other <u> </u>
	Footage from reference:	<u>165'</u>	
	Direction from reference:	<u>110</u> Degrees <u>XX</u> East	North <u> </u>
		<u> </u> West	of South <u>X</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: 9/9/95 Date Completed: 9/15/95

Remediation Method: Excavation XXX Approx. cubic yards 269
(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 14', took PID readings. spread soil on

location for remediation. Took soil samples. Pit Back Filled w/ Fill Dirt

Groundwater Encountered: No XXX 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 14' 8" to 10" into pit side walls, 10" into pit bottom.

Sample Date 9/15/95 Sample Time 5:30PM
Sample results

Soil:	Benzene	(ppm)	<u>ND</u>	Water:	Benzene	(ppb)	<u>NA</u>
	Total BTEX	(ppm)	<u>1.67</u>		Toluene	(ppb)	<u>NA</u>
	Field Headspace	(ppm)	<u>4.88</u>		Ethylbenzene	(ppb)	<u>NA</u>
	TPH	(ppm)	<u>1700</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 5/28/98 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: Loe C Mammall DATE: 6-2-98

**APACHE CORPORATION FARMINGTON DISTRICT
PIT EXCAVATION AND CLOSURE REPORT**

**JICARILLA APACHE TRIBAL EPO
REVIEW AND APPROVAL**

LOCATION: APACHE 126
PIT COUNT: 1

EPO REPRESENTATIVE K.C.
DATE OF REVIEW: 10/30/95

		EXCAVATION						
DIMENSIONS		START		FINISH				
	W'	L'	D'		W'	L'	D'	CU.YDS.
PIT 1	14'	14'	3'	PIT 1	14'	14'	14'	26.9 326.0
PIT 2				PIT 2				
PIT 3				PIT 3				
DATE: 09/09/95		PIT 1@ 10'	PIT 2@	PIT 3@	DATE: 09/15/95	PIT 1@ 14'	PIT 2@	PIT 3@
P. I. D.	CENTER	450.0			P.	CENTER	24.4	
	NW CORNER	104.0			P.	NW CORNER	"	
	NE CORNER	1.9			I.	NE CORNER	"	
	SW CORNER	16.9			D.	SW CORNER	"	
	SE CORNER	46.2				SE CORNER	"	

NOTES:

09/09/95 Excavate to 14', staining to 10'

SOIL SAMPLING

DATE: 09/09/95		PIT 1@ 10'	PIT 2@	PIT 3@	ANALYSIS RESULTS			PER LAB:	ASSAIGAI
	CENTER	450.0			PIT NO.	TPH	BTEX	WITNESS	DATE
P.	NW CORNER	104.0			1	1000.0	ND	IF&S	09/09/95
I.	NE CORNER	1.9							
D.	SW CORNER	16.9							
	SE CORNER	46.2							

RE-SAMPLE OR CELL(S) SAMPLE

DATE: 09/15/95		PIT 1@ 14'	PIT 2@	PIT 3@	ANALYSIS RESULTS			PER LAB:	ASSAIGAI
	CENTER	24.4			PIT NO.	TPH	BTEX	WITNESS	DATE
P.	NW CORNER	"			1	1700.0	1.67	JDT	09/15/95
I.	NE CORNER	"							
D.	SW CORNER	"							
	SE CORNER	"							

RE-SAMPLE OR CELL(S) SAMPLE

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

Date: 09/07/95	Well Number: APACHE #126	VC 10 30 95	Proj. Number: 95017
Date Start: 09/07/95	Number of Pits: 1		Date Finished: 09/08/95

1	Type:	H	X	C	Dimensions Pit 1 Start:	14' X 14' X 3'	Dimensions Pit 1 Finished:	14' X 14' X 4'
2	Type:	H		C	Dimensions Pit 2 Start:		Dimensions Pit 2 Finished:	
3	Type:	H		C	Dimensions Pit 3 Start:		Dimensions Pit 3 Finished:	
Total Cu. Yards Removed:						326	Total Liquids Removed:	0

[illegible]

Notes:



SIDEWALL AND PIT BOTTOM CENTER.

Lab ID: 9509143-23A
Sample ID: AP# 126

Collected: 09/15/95 17:30:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	250	09/25/95	SBTXME077
Toluene	ND	mg/Kg	0.0010	250	09/25/95	SBTXME077
Ethylbenzene	ND	mg/Kg	0.0010	250	09/25/95	SBTXME077
P-&m-Xylene	ND	mg/Kg	0.0010	250	09/25/95	SBTXME077
O-Xylene	ND	mg/Kg	0.0010	250	09/25/95	SBTXME077

Lab ID: 9509143-23B
Sample ID: AP# 126

Collected: 09/15/95 17:30:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCS DIESEL/CAL DHS 8015M						
Diesel	230	mg/Kg	5.0	80	09/26/95	SLFTD45
HCS DSL XT/CAL DHS 8015M	09/20/95	N/A				

Lab ID: 9509143-24A
Sample ID: AP# 134

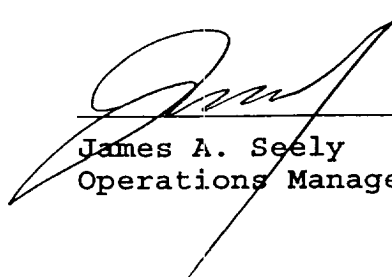
Collected: 09/15/95 18:00:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	250	09/25/95	SBTXME077
Toluene	ND	mg/Kg	0.0010	250	09/25/95	SBTXME077
Ethylbenzene	ND	mg/Kg	0.0010	250	09/25/95	SBTXME077
P-&m-Xylene	ND	mg/Kg	0.0010	250	09/25/95	SBTXME077
O-Xylene	ND	mg/Kg	0.0010	250	09/25/95	SBTXME077

Lab ID: 9509143-24B
Sample ID: AP# 134

Collected: 09/15/95 18:00:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCS DIESEL/CAL DHS 8015M						
Diesel	230	mg/Kg	5.0	5.0	09/25/95	SLFTD45
HCS DSL XT/CAL DHS 8015M	09/20/95	N/A				


James A. Seely
Operations Manager

SCSAIGAI
ANALYTICAL
LABORATORIES

Contract / Purchase Order / Quote

Relinquished by: <u>[Signature]</u> Signature <u>[Signature]</u> Printed <u>ELLEN S</u> Company <u>AM</u> Reason _____	Received by: <u>[Signature]</u> Signature <u>[Signature]</u> Printed <u>AM</u> Company <u>AM</u> Reason _____	Date <u>6/1/01</u>	Relinquished by: <u>[Signature]</u> Signature <u>[Signature]</u> Printed <u>3004 DUDENHOFFER</u> Company <u>IFS</u> Reason <u>Testing</u>
		Time <u>7:30 PM</u>	Relinquished by: <u>[Signature]</u> Signature <u>[Signature]</u> Printed <u>3004 DUDENHOFFER</u> Company <u>IFS</u> Reason <u>Testing</u>

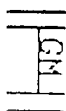
Method of Shipment:	Comments:
Shipment No.	
Special Instructions:	

COURIER

NORTH
DRAINAGE

APACHE
APACHE NUMBER 128 Lease #UAT 127
SE/4 SE/4 (P)
SECTION 18, TOWNSHIP 24N, RANGE 4W
RIO ARriba COUNTY, NM
Revised 6/1/97 MG

4" X 50' EPNG METER RUN



EPNG LINE DRIP

LAND FARM

145' x 50' x 12"

PIT(D)

165' FWH

110° ESE

○ well head

JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P. O. BOX 507
DULCE, NEW MEXICO 87528

Submit 1 copy to
Natural Resource Dept.
and Oil & Gas Administration

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>APACHE CORPORATION</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>APACHE # 126</u>			
Location: Unit or Qtr/Qtr Sec <u>P</u> Sec <u>10</u> T <u>24N</u> R <u>4W</u> County <u>RIO ARRIBA</u>			
Land Type <u>JIC. TRIBAL</u>			
Date Remediation Started: <u>9/9/95</u>		Date Completed: <u>5/19/98</u>	
Remediation Method: Landfarmed <u>XXX</u>		Approx. cubic yards <u>269</u>	
Composted <u> </u>			
Other <u> </u>			
Depth to Groundwater: (pts) <u>0</u>		Final Closure Sampling Sampling Date: <u>5/19/98</u> Time: <u>8:40AM</u> Sample Results: Field Headspace (ppm) <u>ND</u> TPH (ppm) <u>1300</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>5/28/98</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>Kevin C. Marshall</u>		DATE: <u>6-2-98</u>	

APACHE CORPORATION/FARMINGTON DISTRICT SOIL REMEDIATIONS STATUS REPORT

REMEDIATION SITE APACHE # 126

* AMOUNT OF SOIL UNDERGOING REMEDIATION 269 Yds.

CELL No. <u>1</u>	SampDATE 5/19/98	TPH 1300	BTEX ND
DIMENSIONS(LxWxH) <u>145' X 50' X 12"</u>			
CELL LOCATION (dir. from well head) <u>SOUTHEAST</u>			
* DATE BEGAN: <u>9/9/95</u>			
DATE TERMINATED (TPH <5,000 ppm/BTEX< 50 ppm/Benzene < 10 ppm) <u>5/19/98</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)			
REMEDIATION RECORD: (Date, Treatment, Tilling)			
9/20/95 TREAT SOIL WITH 28-4-4 FERTILIZER, WATER, PLOW, TILL SOIL.			
5/7/97 TREAT SOIL WITH 46-0-0 FERTILIZER, WATER, PLOW AND TILL SOIL.			
6/18/97 PLOW AND TILL SOIL.			
7/9/97 WATER, PLOW AND TILL SOIL.			
8/18/97 TREAT SOIL WITH 40LBS PHOSPHORUS, 57 LBS LIME, WATER, PLOW AND TILL SOIL.			
5/5/98 PLOW SOIL.			
5/11/98 TILL SOIL.			

From excavation reports.

WELL NAME:

Apache #124

SAMPLE DATE:

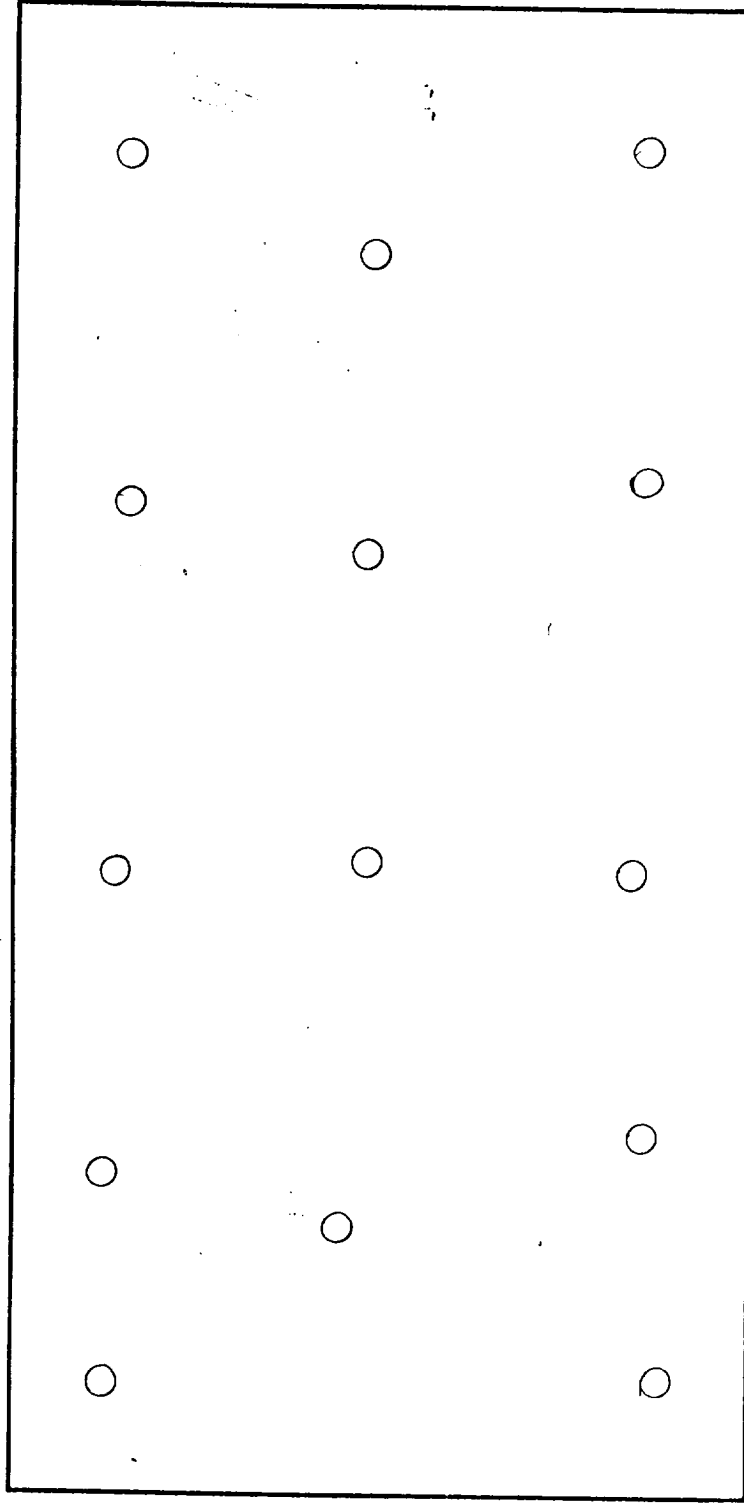
5-19-98

DIMENSIONS:

145' X 50' X 12"



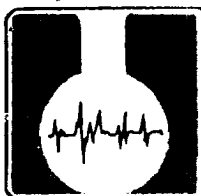
= SAMPLE AREA



NOTES:

ALL SAMPLES TAKEN 10" TO 12" INTO CELL.

14 point composite sample

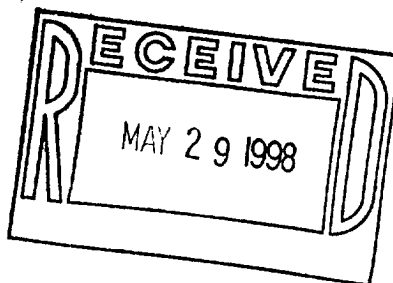


ASSAIGAI ANALYTICAL LABORATORIES, INC.

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: 9805216 JICARILLA

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

Client Sample ID: **APACHE #126 CELL**

Sample Matrix: **SOIL**

Sample Collected: **05/19/98 08:40:00**

<u>Fraction</u>	<u>QC Group</u>	<u>CAS #</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>Detection Limit</u>	*	<u>Sequence</u>	<u>Run Date</u>
SW846-8010/8020 Volatiles									
9805216-01A	X98288	71-43-2	Benzene	ND	mg / Kg	50	0.005	XG.1998.483-17	05/23/98
	X98288	100-41-4	Ethylbenzene	ND	mg / Kg	50	0.005	XG.1998.483-17	
	X98288	95-47-6	o-Xylene	ND	mg / Kg	50	0.005	XG.1998.483-17	
	X98288		P/M-Xylenes	ND	mg / Kg	50	0.01	XG.1998.483-17	
	X98288	108-88-3	Toluene	ND	mg / Kg	50	0.005	XG.1998.483-17	
SW846-8015 Modified TPH									
9805216-01B	X98289		Diesel Range Organics	1300	mg / Kg	25	25	XG.1998.488-41	05/23/98

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





7300 JEFFERSON, N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505) 345-8964

Date 5/22/98

Page _____ of _____

Project Manager /Contact Jeff Cross

Telephone No. (505) 774-6643

Fax No. (505) 774-6624

Samplers: (Signature) Heath Cunn

Contract / Purchase Order / Quote

[illegible]

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

Date	22 MAY 98	Received by:	<i>[Signature]</i>
Time	15:30	Signature	<i>[Signature]</i>
		Printed	Cindy
		Company	AAZ
		Reason	

[illegible]

LABORATORY