

District III

1000 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

DEPUTY OIL & GAS INSPECTOR OIL CONSERVATION DIVISION

2040 S. PACHECO

Santa Fe, New Mexico 87505

OCT 28 1997

PIT REMEDIATION AND CLOSURE REPORT*Approved*

Operator: Apache Corporation		Telephone: 505-325-0318	
Address: 304 N. Behrend, Farmington, NM 87401			
Facility or Well Name:		Apache # 19	
Location: Unit or Qtr/Qtr Sec	M	Sec 3	T 24 N R 4W County Rio Arriba
Pit Type: Separator: _____	Dehydrator: _____	Other: _____	Blow Pit
Land Type: Jicarilla Tribal			
Pit Location: Pit Dimensions: Length 18' Width 18' Depth 4' (Attach diagram) Reference: Wellhead X Other _____ Footage from reference: 128' Direction from reference: 146 Degrees X East North _____ West South XX			
Depth To Groundwater:		Less than 50 feet (20 points) _____ 50 feet to 99 feet (10 points) _____ Greater than 100 feet (0 points) 0	
(vertical distance from contaminants to seasonal high water elevation of groundwater)			
Wellhead Protection Area:		Yes (20 points) _____ No (0 points) 0	
(Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources)			
Distance To Surface Water:		Less than 200 feet (20 points) _____ 200 feet to 1000 feet (10 points) _____ Greater than 1000 feet (0 points) 0	
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)			
		RANKING SCORE (TOTAL POINTS) 0	

RECEIVED
 AUG 20 1997

OIL CON. DIV.
DIST. 3

Date Remediation Started: 8/19/95 Date Completed: 8/19/95

Remediation Method: Excavation XXX Approx. cubic yards _____
(Check all appropriate sections) Landfarmed NONE Insitu Bioremediation _____
Other _____

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

General Description of Remedial Action: Excavate pit to 4', took PID readings, readings low.
Took soil samples, results within closure limits. Put soil back into pit.

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 8/19/95 Sample Time 2:45 PM
Sample results _____
Benzene (ppm) ND
Total BTEX (ppm) ND
Field Headspace (ppm) 2.72
TPH ND

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 8-Aug-97 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

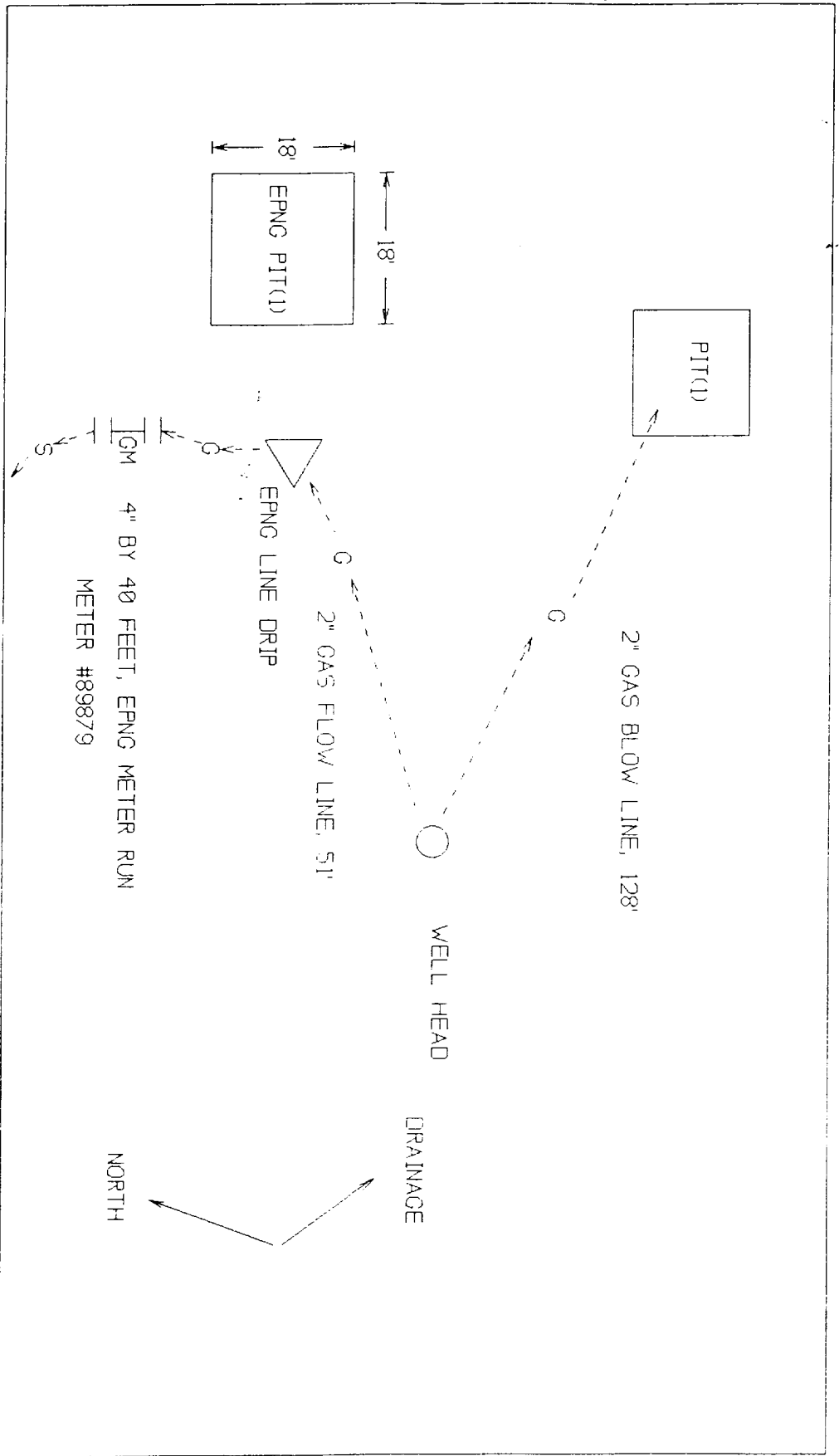
Operator: <u>APACHE CORPORATION</u>		Telephone <u>505-325-0318</u>	
Address: <u>304 N. BEHREND, FARMINGTON, N.M. 84701</u>			
Facility or Well Name: <u>APACHE # 19</u>			
Location:	Unit or Qtr/Qtr	Sec <u>M</u>	SEC 3 T 24N R 4W County <u>RIO ARRIBA</u>
Pit Type:	Separator: <u> </u>	Dehydrator <u> </u>	Other <u>BLOW PIT</u>
Land Type: <u>JIC. TRIBAL</u>			

Pit Location: (Attach diagram)	Pit Dimensions:	Length <u>18'</u>	Width <u>18'</u>	Depth <u>4'</u>
	Reference:	Wellhead <u>XXX</u>	Other <u> </u>	
	Footage from reference:	<u>128'</u>		
	Direction from reference:	<u>146</u> Degrees	<u>X</u> East	North of South <u>XX</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>8/19/95</u>		Date Completed:		<u>8/19/95</u>	
Remediation Method: (Check all appropriate sections)		Excavation <u>XXX</u>		Approx. cubic yards			
		Landfarmed <u>NONE</u>		Insitu Bioremediation			
		Other					
Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility)		Onsite		Offsite			
General Description of Remedial Action: <u>Excavate pit to 4', took PID readings, readings low,</u> <u>took soil samples, results within closure limits.</u> <u>Put soil back into pit.</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>8/19/95</u>		Sample Time		<u>2:45 PM</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>2.72</u>		Ethylbenzene	(ppb)	<u>NA</u>
	TPH	(ppm)	<u>ND</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>7/25/97</u>		PRINTED NAME		<u>JEFF CROSS</u>	
SIGNATURE		<u><i>Jeff Cross</i></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><i>Kurt C. Mammell</i></u>		DATE:		<u>7-30-97</u>	

APACHE
APACHE NUMBER 19
SECTION 3, TOWNSHIP 24N, RANGE 4W
RIO ARriba COUNTY, NM



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

**JICARILLA APACHE TRIBAL EPO
REVIEW AND APPROVAL**

LOCATION: APACHE 19

EPO REPRESENTATIVE: K.C.

PIT COUNT: 1

DATE OF REVIEW: 10/30/95

EXCAVATION									
DIMENSIONS		START		FINISH				CU.YDS.	
	W'	L'	D'		W'	L'	D'		
PIT 1	18'	18'	2.5'	PIT 1	18'	18'	4'	48.0	
PIT 2				PIT 2					
PIT 3				PIT 3					
DATE: 08/19/95		PIT 1@ 04'	PIT 2@	PIT 3@	DATE:		PIT 1@	PIT 2@	PIT 3@
P. I. D.	CENTER	1.1			P. I. D.	CENTER			
	NW CORNER	3.0				NW CORNER			
	NE CORNER	3.5				NE CORNER			
	SW CORNER	3.8				SW CORNER			
	SE CORNER	2.2				SE CORNER			

NOTES:

08/19/95 Excavate to 4' No evidence of contamination.

SOIL SAMPLING

DATE: 08/19/95		PIT 1@ 04'	PIT 2@	PIT 3@	ANALYSIS RESULTS		PER LAB:		
P.	CENTER	1.1			PIT	TPH	BTEX	WITNESS	DATE
	NW CORNER	3.0			NO.				
I.	NE CORNER	3.5			1	ND	ND	IF&S	08/19/95
D.	SW CORNER	3.8							
	SE CORNER	2.2							

RE-SAMPLE OR CELL(S) SAMPLE

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

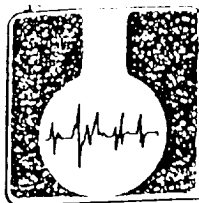
RE-SAMPLE OR CELL(S) SAMPLE

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

TPH & BTEX ANALYSIS

Notes:

[illegible]



ASSAIGAI ANALYTICAL LABORATORIES

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 13, 1995 08:21

CERTIFICATE OF ANALYSIS RESULTS BY SAMPLE

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

WORKORDER # : 9508243
WORK ID : PIT REMEDIATION 95017
CLIENT CODE : APA01
DATE RECEIVED : 08/29/95

ATTN: JOHN TAYLOR

Page: 1

Lab ID: 9508243-02A
Sample ID: PIT #19

Collected: 08/19/95 14:45:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M	ND	mg/Kg	5.0	5.0	09/05/95	SLFTD-041
Diesel	08/30/95	N/A				
HCs DSL XT/CAL DHS 8015M						

Lab ID: 9508243-02B
Sample ID: PIT #19

Collected: 08/19/95 14:45:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME071
Toluene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME071
Ethylbenzene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME071
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	08/30/95	SBTXME071
O-Xylene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME071

Lab ID: 9508243-03A
Sample ID: PIT #17

Collected: 08/25/95 10:35:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M						
Diesel	37	mg/Kg	5.0	5.0	09/05/95	SLFTD-041
HCs DSL XT/CAL DHS 8015M	08/30/95	N/A				

Lab ID: 9508243-03B
Sample ID: PIT #17

Collected: 08/25/95 10:35:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME070
Toluene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME070
Ethylbenzene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME070
P-&m-Xylene	ND	mg/Kg	0.0020	5.0	08/30/95	SBTXME070



1000 JEFFERSON, N.E.
ALBUQUERQUE, NEW MEXICO 87111
(505) 345-8964

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

MELQUIADES ALANIS
6411 LOCAL UNO
CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Analysis Required

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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[illegible]

Date 9/25/85	Received by: Signature <i>[Signature]</i> Printed <i>A H L</i> Company <i>A H L</i> Reason

After analysis, samples are to be:	☐ Disposed of (additional fee) ☐ Stored (30 days max) ☐ Stored over 30 days (additional fee) ☐ Returned to customer
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COURIER