

Denny S. Zant
DEPUTY OIL & GAS INSPECTOR

OCT 28 1997

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

Approved

Operator: Apache Corporation Telephone: 505-325-0318

Address: 304 N. Behrend, Farmington, NM 87401

Facility or Well Name: Apache # 17

Location: Unit or Qtr/Qtr Sec I Sec 11 T 24 N R 4W County Rio Arriba

Pit Type: Separator: Dehydrator Other Blow Pit

Land Type: Jicarilla Tribal

Pit Location: Pit Dimensions: Length 12' Width 12' Depth 4.5'
(Attach diagram)

Reference: Wellhead X Other

Footage from reference: 150'

Direction from reference: 260 Degrees East North
XX West of South X

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>

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 200 feet	(20 points)	<u> </u>
200 feet to 1000 feet	(10 points)	<u> </u>
Greater than 1000 feet	(0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS) 0

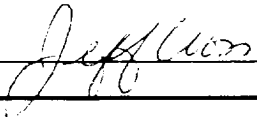
RECEIVED
AUG 20 1997
OIL CON. DIV.
DIST. 3

7-10-1961
RECEIVED 10 17 1961

1201 N 2 100

Date Remediation Started: <u>8/25/95</u>		Date Completed: <u>8/25/95</u>	
Remediation Method: (Check all appropriate sections)	Excavation	<u>XXX</u>	Approx. cubic yards _____
	Landfarmed	<u>NONE</u>	In situ Bioremediation _____
	Other	_____	
Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility)	Onsite	<u>X</u>	Offsite _____

General Description of Remedial Action: <u>Excavate pit to 4.5', took PID readings, readings low.</u>			
<u>Took soil samples, results within closure limits. Put soil back into pit.</u>			

Groundwater Encountered: No <u>X</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 sidewalls 10" into pit bottom</u>		
	Sample Date	<u>8/25/95</u>	Sample Time <u>10:35 AM</u>
	Sample results		
	Benzene	(ppm)	<u>ND</u>
	Total BTEX	(ppm)	<u>ND</u>
	Field Headspace	(ppm)	<u>24.66</u>
	TPH		<u>37</u>
Groundwater Sample:	Yes _____	No <u>X</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-Aug-97</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>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 # 17</u>																							
Location:	Unit or Qtr/Qtr	Sec	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>																							
<table style="width: 100%;"> <tr> <td>Pit Location: (Attach diagram)</td> <td>Pit Dimensions:</td> <td>Length <u>12'</u></td> <td>Width <u>12'</u></td> <td>Depth <u>4.5'</u></td> </tr> <tr> <td></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>150'</u></td> </tr> <tr> <td></td> <td>Direction from reference:</td> <td><u>260</u> Degrees</td> <td><u>XX</u> East <u>XX</u> West</td> <td>North of South <u>X</u></td> </tr> </table>				Pit Location: (Attach diagram)	Pit Dimensions:	Length <u>12'</u>	Width <u>12'</u>	Depth <u>4.5'</u>		Reference:	Wellhead <u>XXX</u>	Other <u> </u>			Footage from reference:	<u>150'</u>				Direction from reference:	<u>260</u> Degrees	<u>XX</u> East <u>XX</u> West	North of South <u>X</u>
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	Reference:	Wellhead <u>XXX</u>	Other <u> </u>																				
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	Direction from reference:	<u>260</u> Degrees	<u>XX</u> East <u>XX</u> West	North 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>																				
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		Greater than 1000 feet	(0 points) <u>0</u>																				
		RANKING SCORE (TOTAL POINTS)	<u>0</u>																				

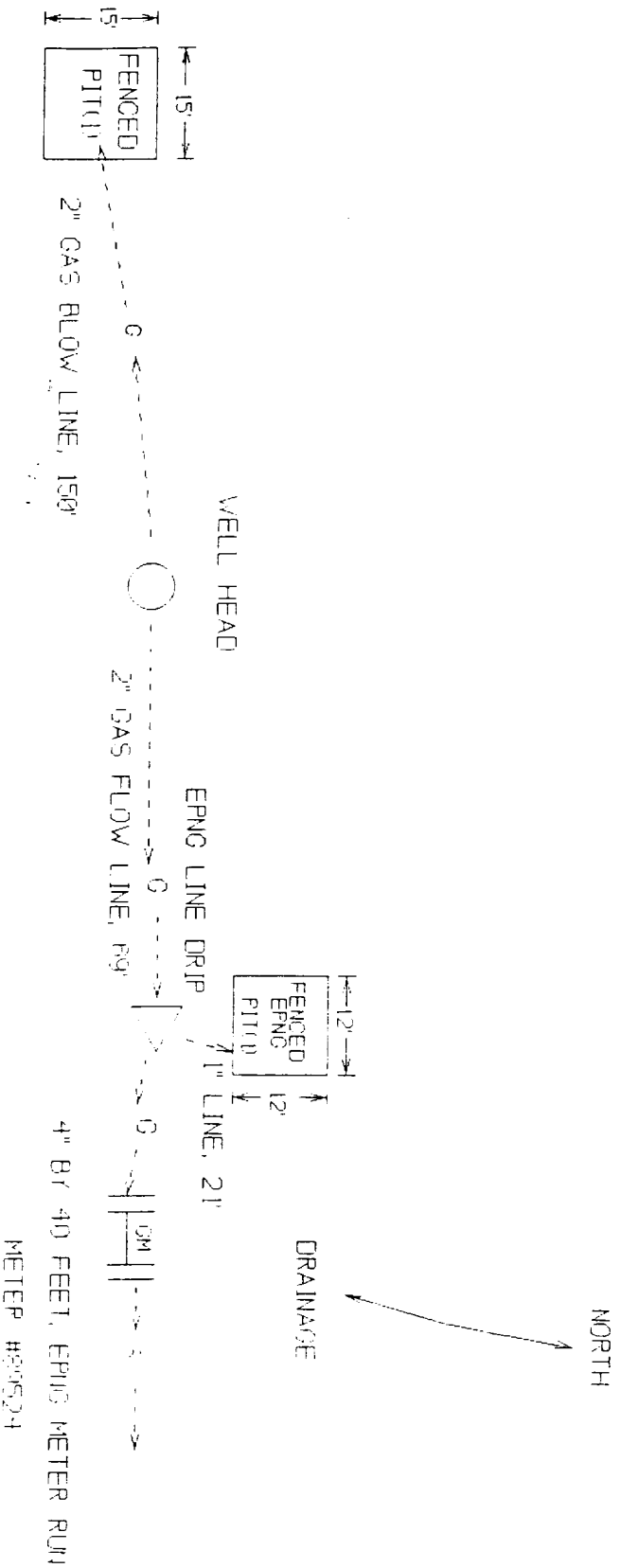
Date Remediation Started: <u>8/25/95</u>		Date Completed: <u>8/25/95</u>	
Remediation Method: (Check all appropriate sections)	Excavation <u>XXX</u>	Approx. cubic yards _____	
	Landfarmed <u>NONE</u>	Insitu Bioremediation _____	
	Other _____		
Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility)	Onsite _____	Offsite _____	
General Description of Remedial Action: <u>Excavate pit to 4.5',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>8/25/95</u>	Sample Time	<u>10:35 AM</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>24.66</u>		Ethylbenzene (ppb) <u>NA</u>
	TPH (ppm) <u>37</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>Karl C. Marshall</i></u>	DATE:	<u>7-30-97</u>

APACHE

APACHE NUMBER 17

SECTION 11, TOWNSHIP 24N, RANGE 4W

RIO ARRIBA COUNTY, NM



APACHE CORPORATION FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

JICARILIA APACHE TRIBAL EPO
REVIEW AND APPROVAL

LOCATION: APACHE 17

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	12'	12'	3.5	PIT 1	12'	12'	4.5'	24.0
PIT 2				PIT 2				
PIT 3				PIT 3				
DATE: 08/25/95		PIT 1@ 04.5'	PIT 2@	PIT 3@	DATE:		PIT 1@	PIT 2@
P. I. D.	CENTER	37.5			P. I. D.	CENTER		
	NW CORNER	48.0				NW CORNER		
	NE CORNER	7.6				NE CORNER		
	SW CORNER	14.9				SW CORNER		
	SE CORNER	15.3				SE CORNER		

NOTES:

08/25/95 Excavate to 4.5', no evidence of contamination.

SOIL SAMPLING

DATE: 08/25/95		PIT 1@ 04.5'	PIT 2@	PIT 3@	ANALYSIS RESULTS		PER LAB: ASSAIGAI	
P. I. D.	CENTER	37.5			PIT NO.	TPH	BTEX	WITNESS
	NW CORNER	48.0			1			
	NE CORNER	7.6				37.0	ND	IF&S
	SW CORNER	14.9						08/25/95
	SE CORNER	15.3						

RE-SAMPLE OR CELL(S) SAMPLE

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

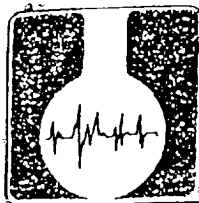
RE-SAMPLE OR CELL(S) SAMPLE

DATE:		PIT 1@	PIT 2@	PIT 3@	ANALYSIS RESULTS		PER LAB:	
P. I. D.	CENTER				PIT NO.	TPH	BTEX	WITNESS
	NW CORNER							
	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
O-Xylene	ND	mg/Kg	0.0010	5.0	08/30/95	SBTXME070



7300 JEFFERSON, N.E.
ALBUQUERQUE, NEW MEXICO 871
(505) 345-8964

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

MELQUIADES ALANIS
6411 LOCAL UNO
CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Analysis Required

[Faint, illegible handwriting]

[illegible][illegible]

Date	Received by:	
	Signature	
Time	Printed	
	Company	

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

COURIER