

District
1000
Aztec

Denny & Zant
DEPUTY OIL & GAS INSPECTOR

State of New Mexico
Energy, Minerals and Natural Resources Department

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

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 # 16

Location: Unit or Qtr/Qtr Sec D Sec 9 T 24 N R 4W County Rio Arriba

Pit Type: Separator: Dehydrator Other Blow Pit

Land Type: Jicarilla Tribal

Pit Location: Pit Dimensions: Length 21' Width 21' Depth 8.5'
(Attach diagram)

Reference: Wellhead X Other

Footage from reference: 140'

Direction from reference: 270 Degrees East of North X
XX West of South

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)

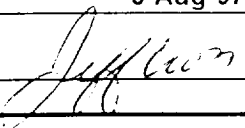
Distance To Surface Water: Less than 200 feet (20 points)
(Horizontal distance to perennial 200 feet to 1000 feet (10 points)
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) 0
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS) 0

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

THE UNIVERSITY OF CHICAGO

1902-1903

Date Remediation Started:		<u>9/11/95</u>		Date Completed:		<u>9/11/95</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 <u>X</u>		Offsite			
General Description of Remedial Action: <u>Excavate pit to 8.5', 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>9/11/95</u>		Sample Time <u>1:10 PM</u>	
		Sample results					
		Benzene		(ppm)		<u>ND</u>	
		Total BTEX		(ppm)		<u>ND</u>	
		Field Headspace		(ppm)		<u>5.04</u>	
		TPH				<u>ND</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				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 # 16</u>			
Location:	Unit or Qtr/Qtr	Sec <u>D</u>	SEC 9 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: Pit Dimensions: Length <u>21'</u> Width <u>21'</u> Depth <u>8.5'</u>			
(Attach diagram)			
Reference: Wellhead <u>XXX</u> Other <u> </u>			
Footage from reference: <u>140'</u>			
Direction from reference: <u>270</u> Degrees <u> </u> East North <u>X</u>			
<u>XX</u> West of South <u> </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:		9/11/95		Date Completed:		9/11/95	
Remediation Method:		Excavation		XXX		Approx. cubic yards	
(Check all appropriate sections)		Landfarmed		NONE		Insitu Bioremediation	
		Other					
Remediation Location:		Onsite		Offsite			
(i.e. landfarmed onsite, name and location of offsite facility)							
General Description of Remedial Action: Excavate pit to 8.5',took PID readings,readings low, took soil samples,results within closure limits. Put soil back into pit.							
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		8" to 10" into pit side walls ,10" into pit bottom.			
		Sample Date		9/11/95		Sample Time	
		Sample results				1:10 PM	
Soil:		Benzene		(ppm)		ND	
		Total BTEX		(ppm)		ND	
		Field Headspace		(ppm)		5.04	
		TPH		(ppm)		ND	
Water:		Benzene		(ppb)		NA	
		Toluene		(ppb)		NA	
		Ethylbenzene		(ppb)		NA	
		Total Xylenes		(ppb)		NA	
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		7/25/97		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:		Kare C Marshall		DATE:		7-30-97	

NORTH



DRAINAGE

APACHE

APACHE NUMBER 10

SECTION 9, TOWNSHIP 24N, RANGE 4W

RIO ARriba COUNTY, NM

4" BY 50 FEET, EPNG METER RUN
METER #89460

25' 25' 25'
FENCED
EPNG PIT(U)

EPNG LINE DRIP

1 CM

2" GAS FLOW LINE, 72'

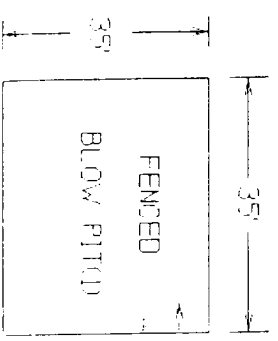
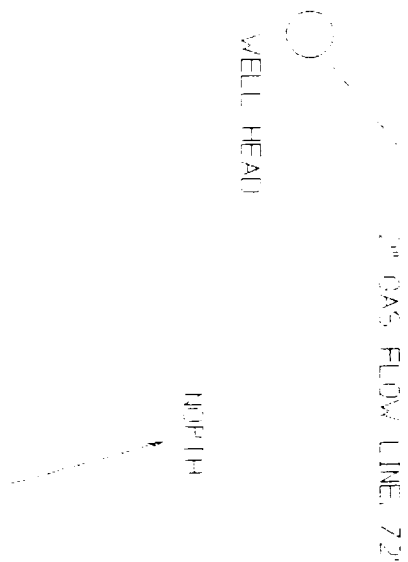
2" GAS BLOW LINE, 135'

FENCED

BLOW PIT(U)

WELL HEAD

NORTH



APACHE CORPORATION FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

JICARILLA APACHE TRIBAL EPO
REVIEW AND APPROVAL

EPO REPRESENTATIVE K.C.

DATE OF REVIEW: 10/30/95

LOCATION: APACHE 16

PIT COUNT: 1

		EXCAVATION						
DIMENSIONS		START		FINISH				CU.YDS.
	W'	L'	D'		W'	L'	D'	
PIT 1	21'	21'	4.5	PIT 1	21'	21'	8.5'	79.0
PIT 2				PIT 2				
PIT 3				PIT 3				
DATE: 09/11/95		PIT 1@ 08.5'	PIT 2@	PIT 3@	DATE:	PIT 1@	PIT 2@	PIT 3@
P. I. D.	CENTER	8.7			P. I. D.	CENTER		
	NW CORNER	0.0				NW CORNER		
	NE CORNER	0.0				NE CORNER		
	SW CORNER	0.0				SW CORNER		
	SE CORNER	16.5				SE CORNER		

NOTES:

09/11/95 Pull 20 bbls. fresh water from pit. Excavate to 8.5'. No evidence of contamination.

SOIL SAMPLING

DATE: 09/11/95		PIT 1@ 08.5'	PIT 2@	PIT 3@	ANALYSIS RESULTS		PER LAB:		ASSAIGAI
P. I. D.	CENTER	8.7			PIT NO.	TPH	BTEX	WITNESS	DATE
	NW CORNER	0.0							
	NE CORNER	0.0			1	ND	ND	IF&S	09/11/95
	SW CORNER	0.0							
	SE CORNER	16.5							

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	DATE
	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	DATE
	NW CORNER								
	NE CORNER								
	SW CORNER								
	SE CORNER								

[illegible]

Lab ID: 9509145-05A
Sample ID: AP# 22-NC

Collected: 09/11/95 10:15:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Toluene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Ethylbenzene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
P-&m-Xylene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
O-Xylene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074

Lab ID: 9509145-05B
Sample ID: AP# 22-NC

Collected: 09/11/95 10:15:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCS DIESEL/CAL DHS 8015M						
Diesel	ND	mg/Kg	5.0	1.0	09/26/95	SLFTD46
HCS DSL XT/CAL DHS 8015M	09/21/95	N/A				

Lab ID: 9509145-06A
Sample ID: AP# 16

Collected: 09/11/95 13:10:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCS DIESEL/CAL DHS 8015M						
Diesel	ND	mg/Kg	5.0	5.0	09/26/95	SLFTD46
HCS DSL XT/CAL DHS 8015M	09/21/95	N/A				

Lab ID: 9509145-06B
Sample ID: AP# 16

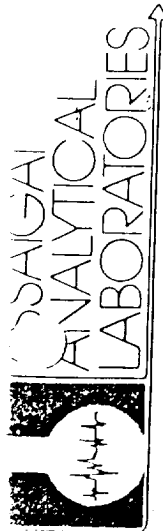
Collected: 09/11/95 13:10:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Toluene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Ethylbenzene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
P-&m-Xylene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
O-Xylene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074

Lab ID: 9509145-07A
Sample ID: AP# 15

Collected: 09/11/95 14:15:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A						
Benzene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
Toluene	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074



Chain of Custody Record

Lab Job No. 71415 Date 5 of 7

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

1910 N. BIG SPRING
MIDLAND, TEXAS 79705
(915) 570-1116

Client Apache Corp.
Address 304 N. Behrend
City/State/Zip FARMINGTON NM 87411
Project Name / Number P-1 Remediation 95017
Contract / Purchase Order / Quote _____

MELQUIADES ALANIS
6411 LOCAL UNO
CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

AAL FRACTION NUMBER	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation		No. of Containers	Remarks
						Temp.	Chemical		
011	AP # 126	9/9	8:50	Soil	G/ASS	50	Ice	1	
012	AP # 126	9/9	8:50					1	
013	AP # 134	9/9	11:13					1	
014	AP # 134	9/9	11:13					1	
015	AP # 22 H	9/9	2:55					1	
016	AP # 22 H	9/9	2:55					1	
017	AP # 22 SC	9/9	4:25					1	
018	AP # 22 SC	9/9	4:25					1	
019	AP # 22 NC	9/11	10:15					1	
020	AP # 22 NC	9/11	10:15					1	
021	AP # 16		1:10					1	
022	AP # 16		1:10					1	

Received by:		Relinquished by:	
Signature	Date	Signature	Date
<i>[Signature]</i>	9/14/95	<i>[Signature]</i>	9/14/95
Printed	Time	Printed	Time
Company	Reason	Company	Reason

After analysis, samples are to be:

☐ Disposed of (additional fee)

☐ Stored (30 days max)

☐ Stored over 30 days (additional fee)

☐ Returned to customer

COURIER