

District III

1000 Rio 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

Denny E. Frost
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 # 11

Location: Unit or Qtr/Qtr Sec P Sec 2 T 24 N R 4W County Rio Arriba

Pit Type: Separator: Dehydrator Other Blow Pit

Land Type: Jicarilla Tribal

Pit Location: Pit Dimensions: Length 24' Width 24' Depth 7'
(Attach diagram)

Reference: Wellhead X Other

Footage from reference: 150'

Direction from reference: 140 Degrees XX East North
West of South XX

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)

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DIST. 3

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

100-100000
100-100000
100-100000

Date Remediation Started: 9/13/95 Date Completed: 9/13/95

Remediation Method: Excavatio 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 7', 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

9/13/95

Sample Time

2:13 PM

Sample results

Benzene

(ppm)

ND

Total BTEX

(ppm)

ND

Field Headspace

(ppm)

2.58

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 # 11</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>			
Pit Location: Pit Dimensions: Length <u>24'</u> Width <u>24'</u> Depth <u>7'</u>			
(Attach diagram)			
Reference: Wellhead <u>XXX</u> Other <u> </u>			
Footage from reference: <u>150'</u>			
Direction from reference: <u>140</u> Degrees <u>X</u> East of North			
<u> </u> West of South <u>XX</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: 9/13/95 Date Completed: 9/13/95

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 7', 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 9/13/95 Sample Time 2:13 PM

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>2.58</u>		Ethylbenzene	(ppb)	<u>NA</u>
	TPH	(ppm)	<u>ND</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.

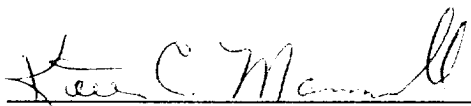
DATE 7/25/97 PRINTED NAME JEFF CROSS

SIGNATURE  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:



DATE:

7-30-97

APACHE

APACHE NUMBER 11

SECTION 2, TOWNSHIP 24N, RANGE 4W

RIO ARRIBA COUNTY, NM



WELL HEAD

2" GAS FLOW LINE, 102'

METER #879-14

4" BY 40 FEET EPNG METER RUN

EPNG LINE DRIP

EPNG
PIT(1)

18'

15'

20'

20'

PIT
(1)

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 11

PIT COUNT: 1

				EXCAVATION				
DIMENSIONS		START		FINISH				
	W	L	D		W	L	D	CU.YDS.
PIT 1	24'	24'	3'	PIT 1	24'	24'	7'	85.0
PIT 2				PIT 2				
PIT 3				PIT 3				
DATE:09/13/95		PIT1@07'	PIT2@	PIT3@	DATE:	PIT1@	PIT2@	PIT3@
P. I. D.	CENTER	11.6			P. I. D.	CENTER		
	NW CORNER	1.1				NW CORNER		
	NE CORNER	0.0				NE CORNER		
	SW CORNER	0.2				SW CORNER		
	SE CORNER	0.0				SE CORNER		

NOTES:

09/13/95 Dark clay soil to 5'. No staining or odor.

SOIL SAMPLING

DATE:09/13/95		PIT1@07'	PIT2@	PIT3@	ANALYSIS RESULTS			PER LAB: ASSAIGAI	
P. I. D.	CENTER	11.6			PIT	TPH	BETEX	WITNESS	DATE
	NW CORNER	1.1			NO.				
	NE CORNER	0.0			1	ND	ND	IF&S	09/13/95
	SW CORNER	0.2			2				
	SE CORNER	0.0			3				

RE-SAMPLE OR CELL(S) SAMPLE

DATE:		PIT1@	PIT2@	PIT3@	ANALYSIS RESULTS			PER LAB:	
P. I. D.	CENTER				PIT	TPH	BETEX	WITNESS	DATE
	NW CORNER				NO.				
	NE CORNER				1				
	SW CORNER				2				
	SE CORNER				3				

RE-SAMPLE OR CELL(S) SAMPLE

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

(CONFIDENTIAL)

Date Finished: 9/13/95

DIMENSIONS & YARDAGE

1	Type:	H	X	C	Dimensions Pit 1 Start:	24' x 24' x 3'	Dimensions Pit 1 Finished:	24' x 24' x 7'
2	Type:	H		C	Dimensions Pit 2 Start:		Dimensions Pit 2 Finished:	
3	Type:	H		C	Dimensions Pit 3 Start:		Dimensions Pit 3 Finished:	

TPH & BTX ANALYSIS

[illegible]

Notes:

[illegible]

Lab ID: 9509145-11B
Sample ID: AP# 108

Collected: 09/12/95 15:10:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
HCs DIESEL/CAL DHS 8015M Diesel	74	mg/Kg	5.0	10	09/27/95	SLFTD46
HCs DSL XT/CAL DHS 8015M	09/21/95	N/A				

Lab ID: 9509145-12A
Sample ID: AP# 11

Collected: 09/13/95 14:13:00
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: 9509145-12B
Sample ID: AP# 11

Collected: 09/13/95 14:13:00
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: 9509145-13A
Sample ID: AP# 18

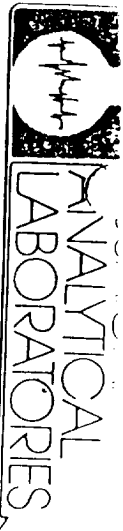
Collected: 09/13/95 14:30:00
Matrix: SOIL

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: 9509145-13B
Sample ID: AP# 18

Collected: 09/13/95 14:30:00
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	09/27/95	SLFTD46
HCs DSL XT/CAL DHS 8015M	09/21/95	N/A				



Lab job no: 5145 Date: 6 of 7

ALBUQUERQUE, NEW MEXICO 87 (505) 345-8964

Client Apache Corp.

Address 304 N. Behrend

City/State/Zip Flemington NM 87411

Project Name/Number At Remediation 95417

Contract/Purchase Order/Quote _____

Project Manager/Contact John Taylor

Telephone No. 325-0318

Fax No. 325-0325

Samplers: (Signature) [Signature]

RECEIVED
OCT 5 1995
ALBUQUERQUE, NEW MEXICO 87
1910 N. BIG SPRING
MIDLAND, TEXAS 79705
(915) 570-1116
MELOQUADES ALANIS
6411 LOCAL UNO
CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

ANALYST FRACTION NUMBER	Field Sample Number/Location	Date	Time	Sample Type	Type/Size of Container	Preservation		No. of Containers	Remarks
						Temp.	Chemical		
67A	AP # 15	9/11	2:15	Scal	Glass	50°	JOC	1	
67B	AP # 15	9/11	2:15					1	
67C	AP # 21 C		2:10					1	
67D	AP # 21 C		2:10					1	
67E	AP # 21 C		2:10					1	
67F	AP # 21 H		2:16					1	
67G	AP # 21 H		2:16					1	
67H	AP # 21 H		2:16					1	
67I	AP # 30	9/12	10:46					1	
67J	AP # 108		3:10					1	
67K	AP # 108		3:10					1	
67L	AP # 11	9/13	2:13					1	
67M	AP # 11	9/13	2:13					1	

Received by: [Signature] Date: 9/13/95

Relinquished by: [Signature] Date: 9/13/95

Signature: [Signature] Printed: [Name] Company: [Company]

Signature: [Signature] Printed: [Name] Company: [Company]

Reason: _____

Reason: _____

Comments: _____

After analysis, samples are to be:

☐ Disposed of (additional fee)

☐ Stored (30 days max)

☐ Stored over 30 days (additional fee)

☐ Returned to customer

COURIER