

District 11
1000 Rio Brazos Rd
Aztec, NM 87410
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:	<u>Apache Corporation</u>		Telephone:	<u>505-325-0318</u>
Address:	<u>304 N. Behrend, Farmington, NM 87401</u>			
Facility or Well Name:	<u>Apache # 30</u>			
Location: Unit or Qtr/Qtr Sec	<u>J</u>	<u>Sec 3</u>	<u>T 24 N</u>	<u>R 4W</u> County <u>Rio Arriba</u>
Pit Type: Separator:		Dehydrator		Other <u>BLOW PIT</u>
Land Type:	<u>Jicarilla Tribal</u>			
Pit Location: (Attach diagram)	Pit Dimensions: Length <u>24'</u> Width <u>24'</u> Depth <u>9'</u>			
	Reference:	Wellhead <u>X</u>	Other	
	Footage from reference:	<u>120'</u>		
	Direction from reference:	<u>260</u> Degrees	East	North
			of	
		<u>XX</u> West	South	<u>X</u>
Depth To Groundwater: (vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet (20 points)			
	50 feet to 99 feet (10 points)			
	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)			
	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)			
	200 feet to 1000 feet (10 points)			
	Greater than 1000 feet (0 points)	<u>0</u>		
RANKING SCORE (TOTAL POINTS)		<u>0</u>		

RECEIVED
AUG 20 1997

OIL CON. DIV.
DIST. 3

Date Remediation Started: 9/12/95 Date Completed: 9/13/95

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: Excavate pit to 9', 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
Sample results

9/12/95

Sample Time

10:40 PM

Benzene

(ppm)

ND

Total BTEX

(ppm)

ND

Field Headspace

(ppm)

18.62

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 # 30</u>			
Location:	Unit or Qtr/Qtr	Sec	County
	<u>J</u>	<u>SEC 3</u>	<u>RIO ARRIBA</u>
Pit Type:	Separator: _____	Dehydrator: _____	Other: <u>BLOW PIT</u>
Land Type:	<u>JIC. TRIBAL</u>		

Pit Location: (Attach diagram)	Pit Dimensions:	Length <u>24'</u>	Width <u>24'</u>	Depth <u>9'</u>
	Reference:	Wellhead <u>XXX</u>	Other _____	
	Footage from reference:	<u>120'</u>		
	Direction from reference:	<u>260</u> Degrees	_____ East	North _____
		<u>XX</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)	_____
	50 feet to 99 feet	(10 points)	_____
	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)	_____
	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)	_____
	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)	_____
	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)	_____
	100 feet to 1000 feet	(10 points)	_____
	Greater than 1000 feet	(0 points)	<u>0</u>
RANKING SCORE (TOTAL POINTS)			<u>0</u>

Date Remediation Started: 9/12/95 Date Completed: 9/13/95

Remediation Method:
(Check all appropriate
sections)

Excavation XXX Approx. cubic yards _____
Landfarmed NONE Insitu Bioremediation _____
Other _____

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

Onsite _____ Offsite _____

General Description of Remedial Action: Excavate pit to 9', 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

9/12/95

Sample Time

10:40 AM

Sample results

Soil:

Benzene

(ppm)

ND

Water:

Benzene (ppb)

NA

Total BTEX

(ppm)

ND

Toluene (ppb)

NA

Field Headspace

(ppm)

18.62

Ethylbenzene (ppb)

NA

TPH

(ppm)

ND

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:

Karen C. Mamm

DATE:

7-30-97

NORTH

DRAINAGE

APACHE

APACHE NUMBER 30

SECTION 3, TOWNSHIP 24N, RANGE 4W

RIO ARRIBA COUNTY, NM

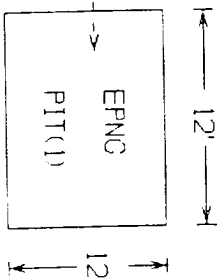
METER #93006

4" BY 40 FEET, EPNG METER RUN

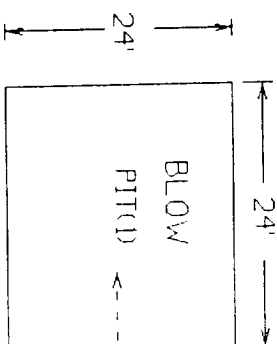
EPNG LINE DRIP

4" BY 40 FEET, EPNG METER RUN

EPNG LINE DRIP



2" DEAD GAS FLOW LINE, 150'



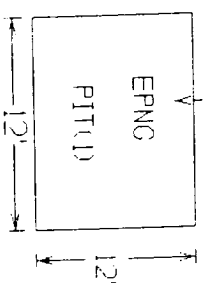
2" GAS BLOW LINE, 120'

WELL HEAD

EPNG LINE DRIP

4" BY 40 FEET, EPNG METER RUN

2" GAS FLOW LINE, 190'



APACHE CORPORATION FARMINGTON DISTRICT PIT EXCAVATION AND CLOSURE REPORT

LOCATION: APACHE 30

PIT COUNT: 1

JICARILLA APACHE TRIBAL EPO
REVIEW AND APPROVAL

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

				EXCAVATION					
DIMENSIONS		START		FINISH					
	W'	L'	D'		W'	L'	D'	CU.YDS.	
PIT 1	24'	24'	5'	PIT 1	24'	24'	9'	85.0	
PIT 2				PIT 2					
PIT 3				PIT 3					
DATE: 09/12/95		PIT 1@ 09'	PIT 2@	PIT 3@	DATE:		PIT 1@	PIT 2@	PIT 3@
P. I. D.	CENTER	4.8			P. I. D.	CENTER			
	NW CORNER	18.9				NW CORNER			
	NE CORNER	15.3				NE CORNER			
	SW CORNER	2.5				SW CORNER			
	SE CORNER	51.6				SE CORNER			

NOTES:

09/12/95 Excavate to 9', no evidence of contamination from 5.5'.

SOIL SAMPLING

DATE: 09/12/95		PIT 1@ 09'	PIT 2@	PIT 3@	ANALYSIS RESULTS			PER LAB:	ASSAIGAI
P. I. D.	CENTER	4.8			PIT NO.	TPH	BTEX	WITNESS	DATE
	NW CORNER	18.9			1	ND	ND	IF&S	09/12/95
	NE CORNER	15.3							
	SW CORNER	2.5							
	SE CORNER	51.6							

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								

Notes:

[illegible]

Lab ID: 9509145-09A
Sample ID: AP# 21H

Collected: 09/11/95 15:46:00
Matrix: SOIL

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

Lab ID: 9509145-09B
Sample ID: AP# 21H

Collected: 09/11/95 15:46:00
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	09/27/95	SLFTD46
HCS DSL XT/CAL DHS 8015M	09/21/95	N/A				

Lab ID: 9509145-10A
Sample ID: AP# 30

Collected: 09/12/95 10:40:00
Matrix: SOIL

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/SW846 8020A	ND	mg/Kg	0.0010	5.0	09/20/95	SBTXME074
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: 9509145-10B
Sample ID: AP# 30

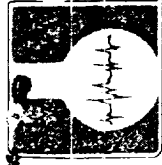
Collected: 09/12/95 10:40:00
Matrix: SOIL

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

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

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

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



SSAIGAL
MIN analytical
LABORATORIES

Chain of Custody Record

7300 JEFFERSON, N.E.
ALBUQUERQUE, NEW MEXICO 87105
(505) 345-8964

Lab job no.: 7115

Date

Page 6 of 7

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

Client Apache Corp.

Address 304 N. Bebeend

City/State/Zip Farmington NM 87401

Project Name / Number Pt Remediation 95017

Contract / Purchase Order / Quote

Project Manager / Contact John Taylor

Telephone No. 325-0318

Fax No. 325-0325

Samplers: (Signature) [Signature]

OCT 5 1995

MELQUIADES ALANIS
6411 LOCAL UNO
CIUDAD JUAREZ, CHIHUAHUA MEXICO 32320

Analysis Required

Remarks

ALL FRACTION NUMBER	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation Temp.	Chemical
6711	AP # 15	9/11	2:15	Soil	Glass	50°	ICC
6712	AP # 15	9/11	2:15				
6713	AP # 21 C		3:00				
6714	AP # 21 C		3:00				
6715	AP # 21 H		3:46				
6716	AP # 21 H		3:46				
6717	AP # 30	9/12	10:10				
6718	AP # 30	9/12	10:10				
6719	AP # 108		3:10				
6720	AP # 108		3:10				
6721	AP # 11	9/13	2:13				
6722	AP # 11	9/13	2:13				

Relinquished by: Signature <u>[Signature]</u> Printed <u>John Taylor</u> Company <u>APC</u> Reason	Received by: Signature <u>[Signature]</u> Printed <u>John Taylor</u> Company <u>APC</u> Reason	Date 9/11/95 Time 7:50 AM
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Method of Shipment: Shipment No. Special Instructions:	Comments: 	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