

OK

Denny E. Foust
DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL-GAS
ADMINISTRATION

FEB 08 1999

P.O. BOX 507
DULCE, NEW MEXICO 87528

Approved

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (<u>CONOCO</u>)		Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>			
Facility or Well Name: <u>Axi Apache M-3</u>			
Location:	Unit: <u>A</u>	Sec. <u>13</u>	T. <u>25N</u> R. <u>4W</u> County <u>Rio Arriba</u>
Pit Type:	Separator <u>X</u>	Dehydrator <u> </u>	Other <u> </u>
Land Type: <u>Jicarilla Apache</u>			
Pit Location: Pit dimensions: length <u>20'</u> width <u>20'</u> depth <u>3'</u>			
(Attach diagram)	Reference: wellhead <u>X</u> other <u> </u>		
	Footage from reference: <u>15'</u>		
	Direction from reference: <u>10°</u> Degrees <u>X</u> East North <u> </u>		
	<u> </u> West of South <u>X</u>		
Depth to Ground Water: <small>(Vertical distance from contaminants to seasonal high water elevation of ground water)</small>			
		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: <small>(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)</small>			
		Yes	(20 points)
		No	(0 points) <u>0</u>
Distance to Surface Water: <small>(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)</small>			
		Less than 200 feet	(20 points)
		200 feet to 1,000 feet	(10 points)
		Greater than 1,000 feet	(0 points) <u>0</u>
Distance to Ephemeral Stream (dry wash): <small>(Horizontal distance to all downgradient streams having a width of at least 10 feet)</small>			
		Less than or equal to 100 feet	(10 points)
		Greater than 100 feet	(0 points) <u>0</u>
Distance to Nearest Lake, Playa, or Watering Pond: <small>(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)</small>			
		Less than or equal to 100 feet	(10 points)
		Greater than 100 feet	(0 points) <u>0</u>
RANKING SCORE (TOTAL POINTS):			<u>0</u>

RECEIVED
FEB - 1 1999
OIL CON. DIV.
DIST. 3

Date Remediation Started:

11/19/98

Date Completed:

12/28/98 RAD
4/20/98

Remediation Method:

Excavation

X

Approx. Cubic Yards

550

(Check all appropriate sections)

Landfarmed

X

Amount Landfarmed (cubic yds):

550

Other _____

Remediation Location:

Onsite

X

Offsite _____

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

General Description of Remedial Action:

Removed contaminated soil from all 4 side walls and bottom to ~ below 100 ppm head space reading.Excavated pit 26' x 22' x 26'

Ground Water Encountered:

No

X

Yes _____

Depth _____

Final Pit Closure Sampling:

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample Location

North wall, East wall, South wall, West wall
Bottom 3 point composite

Sample depth

26'

Sample date

11/20/98

Sample time

0800

Sample Results

Soil: Benzene (ppm)

ND

Water: Benzene (ppb) _____

Total BTEX (ppm) _____

Toluene (ppb) _____

Field headspace (ppm)

30.5

Ethylbenzene (ppb) _____

TPH ND ppmMethod TPH-8015

Total Xylenes (ppb) _____

Ground Water 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 MY BELIEF

DATE

11/20/98

PRINTED NAME

Gary Cook

SIGNATURE

Gary Cook

AND TITLE

Environmental Technician III

AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES

X

NO _____

(REASON): _____

SIGNED:

K. C. Mendenhall

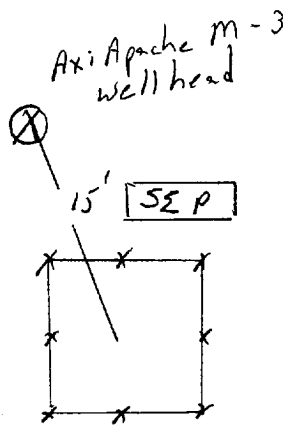
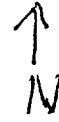
DATE:

12-15-98

Axi Apache m-3
Conoco
Sec. 13, 25N, 4W, A

11/19/98

Site diagram



not to scale

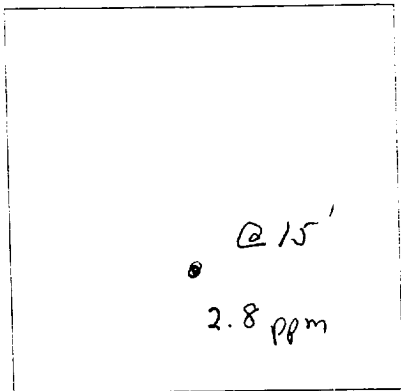
Axi Apache m-3

Conoco

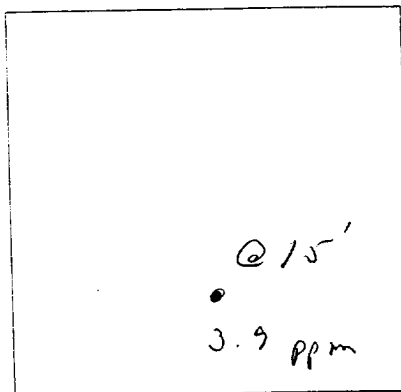
Sec. 13, 25N, 4W, A

11/20/98

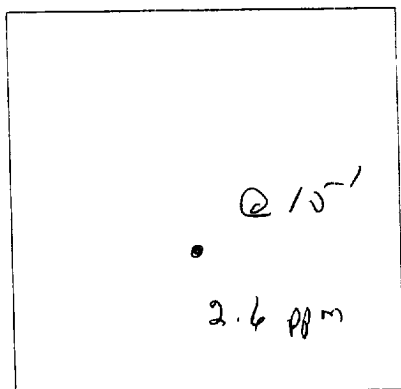
North Wall



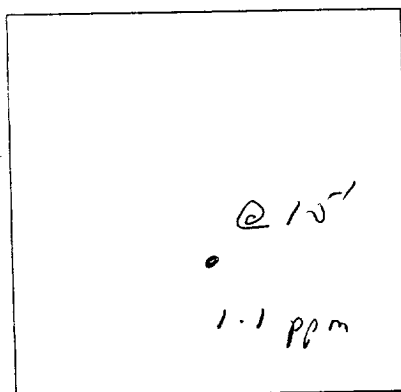
South Wall



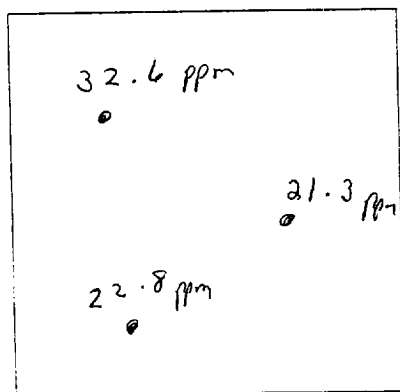
East Wall



West Wall



Bottom



@ 26'
clay / sand

3 pt. comp.
head space reading = 30.5 ppm

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 04-Dec-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla Pit Remediation

Lab Order: 9811068

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 04-Dec-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache M-3
Work Order:	9811068	Client Sample ID:	9811200800; Bottom @ 26ft.
Lab ID:	9811068-01A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	11/20/98 8:00:00 AM
		COC Record:	7195

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	12/2/98

Qualifiers:

- PQL - Practical Quantitation Limit
- ND - Not Detected at Practical Quantitation Limit
- J - Analyte detected below Practical Quantitation Limit
- B - Analyte detected in the associated Method Blank

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- Surr: - Surrogate

1 of 1

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 04-Dec-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache M-3
Work Order:	9811068	Client Sample ID:	9811200805; Walls @ 15ft.
Lab ID:	9811068-02A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	11/20/98 8:05:00 AM
		COC Record:	7195

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	12/3/98

Qualifiers:

PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
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ENVIRONMENTAL
PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

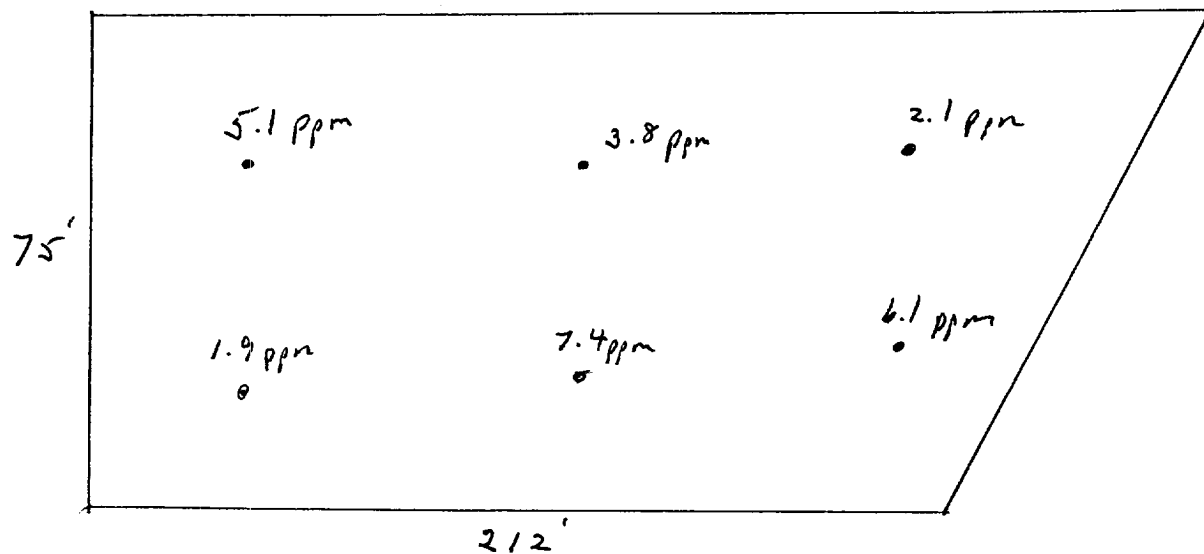
Operator: PNM Gas Services (<u>Conoco</u>) Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>	
Facility or Well Name: <u>Axi Apache m-3</u>	
Location: Unit: <u>A</u> Sec. <u>13</u> T. <u>25 N</u> R. <u>4 W</u> County <u>Rio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>11-19-98</u> Date Completed: <u>12-28¹⁸-98</u>	
Remediation Method: Landfarmed <u>X</u> Approx. cubic yards <u>550</u> Composted <u> </u> Other <u> </u>	
Depth to Ground Water: (pts.) <u>0</u> Distance to an Ephemeral Stream: (pts.) <u>0</u> Distance to Nearest Lake, Playa, or Watering Pond: (pts.) <u>0</u> Wellhead Protection Area: (pts.) <u>0</u> Distance to Surface Water: (pts.) <u>0</u> Ranking Score (Total Points): <u>0</u>	Final Closure Sampling: Sampling Date: <u>12/10/98</u> Time <u>0815</u> Sampling Results: Field Headspace (ppm) <u>7.9 ppm</u> TPH (ppm) <u>ND</u> Method <u>TPH-8015</u> Other <u> </u>
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE <u>12/22/98</u> PRINTED NAME <u>Gary Cook</u>	
SIGNATURE <u>Mary Cook</u> AND TITLE <u>Environmental Technician III</u>	
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE	
APPROVED: YES <u>X</u> NO <u> </u> (REASON) <u>use as backfill</u>	
SIGNED: <u>Ken C M...ll</u> DATE: <u>12-28-98</u>	

Axi Apache M-3
Conoco
Sec. 13, 25N, 4W, A

11-20-98



Land Farmed: ON location
550 yards



2"-12" depth

soil vapor head space = 7.9 ppm

⊗ Axi Apache M-3
well head

not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 21-Dec-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla Pit Remediation

Lab Order: 9812026

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 21-Dec-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache M-3 LF
Work Order:	9812026	Client Sample ID:	9812100815; 6pt. Composite
Lab ID:	9812026-06A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	12/10/98 8:15:00 AM
		COC Record:	7447

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	12/18/98

Qualifiers:

PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
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