

*George E. Frost*  
DEPUTY OIL & GAS INSPECTOR

FEB 08 1993

*Approved*

JICARILLA APACHE TRIBE

ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507  
DULCE, NEW MEXICO 87528

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

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services ( *Consolid* ) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: *Axi Apache N # 8*

Location: Unit: *P* Sec. *2* T. *25* N R. *4* W County *Rio Arriba*

Pit Type: Separator *X* Dehydrator Other

Land Type: *Jicarilla Apache*

Pit Location: Pit dimensions: length *20'* width *20'* depth *3'*

(Attach diagram) Reference: wellhead *X* other

Footage from reference: *60'*

Direction from reference: *10°* Degrees *X* East North of South *X*  
West

Depth to Ground Water:

(Vertical distance from contaminants to seasonal high water elevation of ground water)

Less than 50 feet (20 points)  
50 feet to 99 feet (10 points)  
Greater than 100 feet (0 points) *0*

Wellhead Protection Area:

(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)

Yes (20 points)  
No (0 points) *0*

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 1,000 feet (10 points)  
Greater than 1,000 feet (0 points) *10*

Distance to Ephemeral Stream (dry wash):

(Horizontal distance to all downgradient streams having a width of at least 10 feet)

Less than or equal to 100 feet (10 points)  
Greater than 100 feet (0 points) *0*

Distance to Nearest Lake, Playa, or Watering Pond:

(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)

Less than or equal to 100 feet (10 points)  
Greater than 100 feet (0 points) *0*

RANKING SCORE (TOTAL POINTS): *10*

Date Remediation Started:

11/10/98

Date Completed:

12/15/98  
11/11/98

Remediation Method:

Excavation

X

Approx. Cubic Yards

484(Check all  
appropriate  
sections)

Landfarmed

X

Amount Landfarmed (cubic yds):

484

Other \_\_\_\_\_

Remediation Location:

Onsite \_\_\_\_\_

Offsite

Jicarilla LF # 4(i.e., landfarmed onsite, name  
and location of offsite facility)

General Description of Remedial Action:

Removed contaminated soil from all 4 side walls and  
pit bottom to get a belows 100 ppm head space readingExcavated pit 27' x 22' x 22'

Ground Water Encountered:

No

X

Yes \_\_\_\_\_

Depth \_\_\_\_\_

Final Pit Closure  
Sampling:

Sample Location

North wall, East wall, South wall, West wall  
Bottom 3 point composite(if multiple samples, attach  
sample result and diagram of  
sample locations and  
depths.)

Sample depth

22'

Sample date

11/11/98

Sample time

0815

Sample Results

Soil: Benzene (ppm) \_\_\_\_\_

Water: Benzene (ppb) \_\_\_\_\_

Total BTEX (ppm) \_\_\_\_\_

Toluene (ppb) \_\_\_\_\_

Field headspace (ppm)

39.3 ppm

Ethylbenzene (ppb) \_\_\_\_\_

TPH NO ppm

Method

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

11/11/98

PRINTED NAME

Gary Cook

SIGNATURE

Gary Cook

AND TITLE

Environmental Technician IIIAFTER 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:

Ken C. Marshall

DATE:

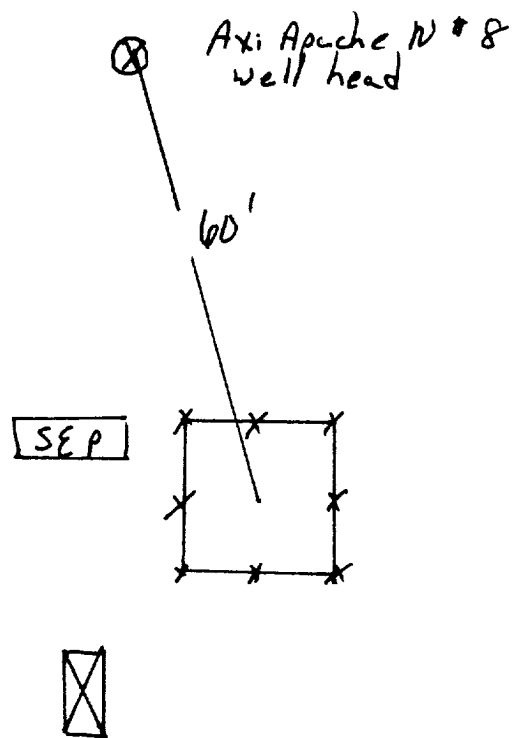
12-15-98

Axi Apache N #8  
Convoco  
Sec. 2.25N, 4W, P

11/10/98

Site drawing:

↑  
N



not to scale

Axi Apache N #8

Conoco

Sec. 2, 25 N, 4 W, P

11/11/98

## North Wall

@ 15'  
• 7.8 ppm

## South Wall

@ 15'  
• 17.2 ppm

## East Wall

@ 15'  
• 19.2 ppm

## West Wall

@ 15'  
• 20.6 ppm

## Bottom

73.6 ppm  
•

• 16.8 ppm

36.9 ppm  
•

@ 29' depth  
clean

3 points  
head space reading 39.3 ppm

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 19-Nov-98

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**CLIENT:** PNM - Public Service Company of NM

**Project:** Axi Apache N-8

**Lab Order:** 9811044

## **CASE NARRATIVE**

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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.

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LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 19-Nov-98

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Axi Apache N-8
<b>Work Order:</b>	9811044	<b>Client Sample ID:</b>	9811100815; Bottom @ 22ft.
<b>Lab ID:</b>	9811044-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Axi Apache N-8	<b>Collection Date:</b>	11/11/98 8:15:00 AM
		<b>COC Record:</b>	7423

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015</b>				<b>Analyst: HR</b>
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	11/17/98

**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

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LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 19-Nov-98

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Axi Apache N-8
<b>Work Order:</b>	9811044	<b>Client Sample ID:</b>	9811100820; Walls @ 15ft.
<b>Lab ID:</b>	9811044-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Axi Apache N-8	<b>Collection Date:</b>	11/10/98 8:20:00 AM
		<b>COC Record:</b>	7423

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015</b>				<b>Analyst: HR</b>
T/R Hydrocarbons: C10-C28	29	25		mg/Kg	1	11/17/98

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