

DEPUTY OIL & GAS INSPECTOR

FEB 08 1999

**ENVIRONMENTAL PROTECTION OFFICE**

**P.O. BOX 507  
DULCE, NEW MEXICO 87528**

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

Approval  
**PIT RE**

# PIT REMEDIATION AND CLOSURE REPORT

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

**Address:** 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Axi Apache J #5

**Location:** Unit: 0 Sec. 7 T. 25 N R. 5 W County Rio Arriba

<b>Pit Type:</b>	Separator	<input checked="" type="checkbox"/>	Dehydrator	<input type="checkbox"/>	Other	<input type="checkbox"/>
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**Land Type:** Jicarilla Apache

**Pit Location:** Pit dimensions: length 18' width 18' depth 3'

(Attach diagram)      Reference:      wellhead      ☒      other      ☐

Footage from reference: 25'

Direction from reference: 85° Degrees X East of North X  
West of South

**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)

**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)

**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)

**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)

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)

**RANKING SCORE (TOTAL POINTS) :**

Date Remediation Started:

7/16/98

Date Completed:

9/9/98

Remediation Method:

Excavation

☒

Approx. Cubic Yards

44

(Check all appropriate sections)

Landfarmed

☒

Amount Landfarmed (cubic yds):

44

Other

Remediation Location:

Onsite

☒

Offsite

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

## General Description of Remedial Action:

Excavated pit 17' x 14' x 5'. At 5' depth had sandstone layer. Removed contaminated soil from all 4 walls so as to get below 100 ppm headspace reading.

Ground Water Encountered:

No

☒

Yes

Depth

## Final Pit Closure

## Sampling:

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

Sample Location

Bottom @ 5'980716 1515walls @ 3'980716 1520

Sample depth

3' + 5'

Sample date

7/16/98

Sample time

1515 + 1520

## Sample Results

Soil: Benzene (ppm)

~~70 ppm~~ ND (was)

Water: Benzene (ppb)

Total BTEX (ppm)

6.43 ppm

Toluene (ppb)

Field headspace (ppm)

1926

Ethylbenzene (ppb)

TPH ND ppm225

Method

8015

Total Xylenes (ppb)

Ground Water Sample:

Yes

☐

No

☒

(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

8/3/98

PRINTED NAME

Gary Cook  
Roy Burnham

SIGNATURE

Mary 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

☒

NO

☐

(REASON):

SIGNED:

Kearl Mammell

DATE:

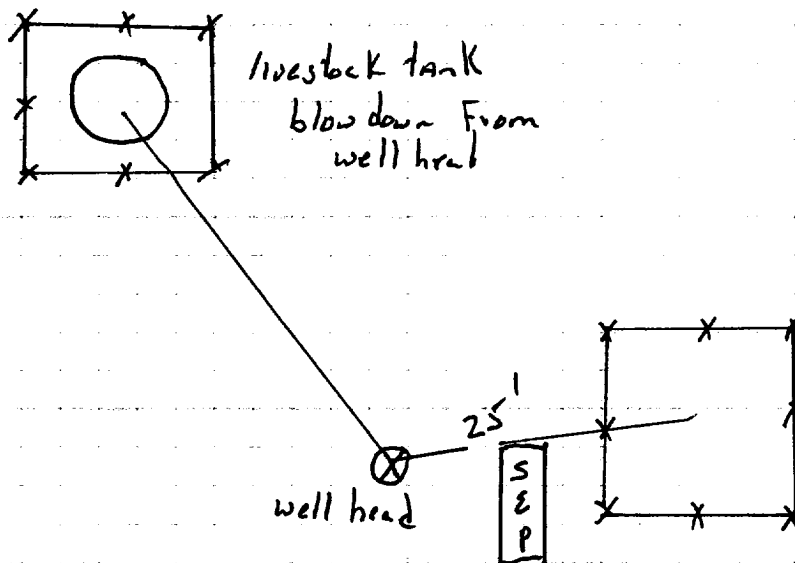
8-18-98

Axi Apache J#5  
Conoco  
Sec. 7, 25N, 5W, 0

7/16/98

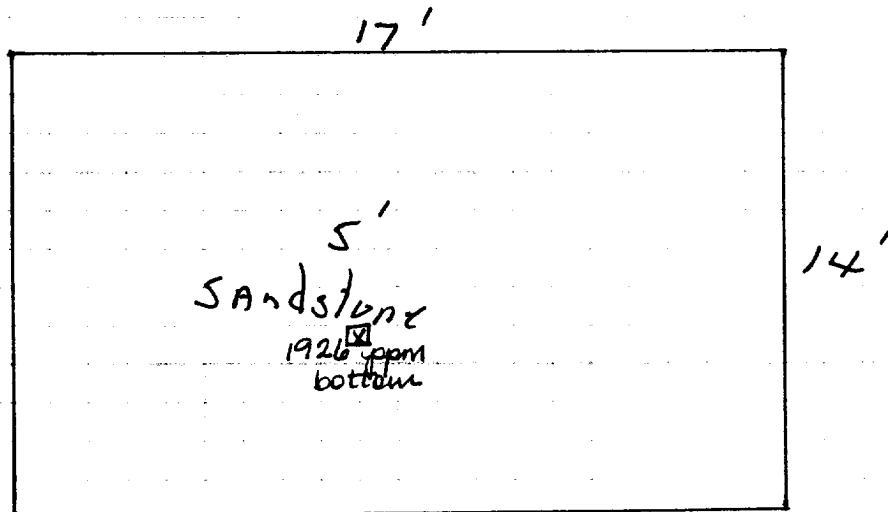
start of excavation:

↑  
N



meter house

End of excavation:



OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 28-Jul-98

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** PNM Pit Remediation  
**Lab Order:** 9807051

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## **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: 28-Jul-98

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Axi Apache J#5
<b>Work Order:</b>	9807051	<b>Client Sample ID:</b>	9807161515; Bottom @ 5ft.
<b>Lab ID:</b>	9807051-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	PNM Pit Remediation	<b>Collection Date:</b>	7/16/98 3:15:00 PM
		<b>COC Record:</b>	7324

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015</b>				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/27/98
<b>BTEX</b>		<b>SW8020A</b>				Analyst: DC
Benzene	ND	100		µg/Kg	100	7/22/98
Toluene	ND	200		µg/Kg	100	7/22/98
Ethylbenzene	850	100		µg/Kg	100	7/22/98
m,p-Xylene	5100	200		µg/Kg	100	7/22/98
o-Xylene	480	100		µg/Kg	100	7/22/98

6430  
6.430 ppm

<b>Qualifiers:</b>	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted recovery limits
	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Surr: - Surrogate

1 of 1

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OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 28-Jul-98

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Axi Apache J#5
<b>Work Order:</b>	9807051	<b>Client Sample ID:</b>	9807161520; Walls @ 3ft.
<b>Lab ID:</b>	9807051-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	PNM Pit Remediation	<b>Collection Date:</b>	7/16/98 3:20:00 PM
		<b>COC Record:</b>	7324

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015</b>				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/23/98

**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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JICARILLA APACHE TRIBE  
ENVIRONMENTAL  
PROTECTION OFFICE  
P.O. BOX 507  
DULCE, NEW MEXICO 87528

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NATURAL  
RESOURCE DEPT  
AND OIL GAS  
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (Conoco) Telephone: 324-3764  
Address: 603 W. Elm Street Farmington, NM 87401  
Facility or Well Name: Axi Apache J#5  
Location: Unit: 0 Sec. 7 T. 25 N R. 5 W County Rio Arriba  
Land Type: Jicarilla Apache

Date Remediation Started: 7/16/98 Date Completed: 8/21/98  
Remediation Method: Landfarmed ☒ Approx. cubic yards 44  
Composted ☐  
Other ☐

Depth to Ground Water: (pts.)  $\phi$   
Distance to an Ephemeral Stream: (pts.)  $\phi$   
Distance to Nearest Lake, Playa,  
or Watering Pond: (pts.)  $\phi$   
Wellhead Protection Area: (pts.)  $\phi$   
Distance to Surface Water: (pts.)  $\phi$   
Ranking Score (Total Points):  $\phi$

Final Closure Sampling:  
Sampling Date: 8/17/98 Time 1103  
Sampling Results:  
Field Headspace (ppm) 0.4  
TPH (ppm) N/D Method 8015  
Other

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 8/29/98 PRINTED NAME Roy Burnham  
SIGNATURE Roy Burnham AND TITLE Environmental Technician II

AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE  
JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE

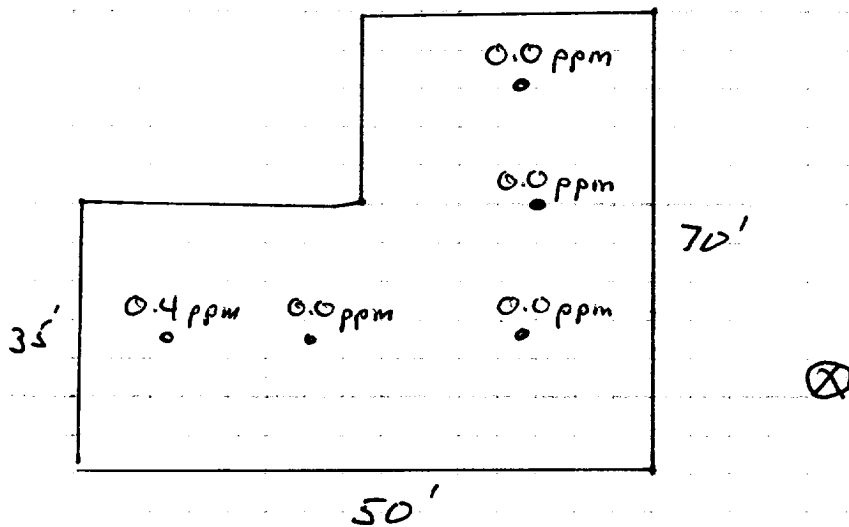
APPROVED: YES ☒ NO ☐ (REASON) use as Backfill

SIGNED: Ken C. M... DATE: 9-9-98

Axi Apache J# 5  
Conoco  
Sec. 7, 25N, 5W, 0

7/16/98

Land Farm: On location



44 yards  
2"-12" depth

soil vapor head space =



OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 26-Aug-98

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** PNM Pit Remediation  
**Lab Order:** 9808036

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## **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: 26-Aug-98

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Axi Apache J-5 LF
<b>Work Order:</b>	9808036	<b>Client Sample ID:</b>	9808171103; 5pt. comp.
<b>Lab ID:</b>	9808036-17A	<b>Matrix:</b>	SOIL
<b>Project:</b>	PNM Pit Remediation	<b>Collection Date:</b>	8/17/98 11:03:00 AM
		<b>COC Record:</b>	7333/34/35

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015</b>				Analyst: <b>HR</b>
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	8/21/98

**Qualifiers:**

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