

*Denny S. Frost*  
DEPUTY OIL & GAS INSPECTOR

FEB 08 1999

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

*Approved* **PIT REMEDIATION AND CLOSURE REPORT**

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

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: *Axi Apache J 11*

Location: Unit: *D* Sec. *6* T. *25* N R. *5* W County *Rio Arriba*

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: *Jicarilla Apache*

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

(Attach diagram) Reference: wellhead ☒ other ☐

Footage from reference: *71'*

Direction from reference: *85* Degrees ☒ East North ☐  
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) *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) *0*

**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):** *0*

Date Remediation Started:

7-27-98

Date Completed:

11/2/98

Remediation Method:

Excavation

X

Approx. Cubic Yards

156

(Check all appropriate sections)

Landfarmed

X

Amount Landfarmed (cubic yds):

156

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 four sidewalls as to get a below 100 ppm headspace reading. Bottom was rock.  
Final excavation dimensions: 21'(E+W) X 25'(N+S) X 8'D

Ground Water Encountered:

No

X

Yes \_\_\_\_\_

Depth \_\_\_\_\_

## Final Pit Closure Sampling:

Sample Location

North, East, South, and West Sidewall and 3 point composite bottom sample

Sample depth

8'

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

Sample date

7-28-98

Sample time

0745

## Sample Results

Soil: Benzene (ppm)

.0015

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

Total BTEX (ppm)

.0071

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

Field headspace (ppm)

170 ppm

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

TPH N/D ppm

Method

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

8-17-98

PRINTED NAME

Ray Haston

SIGNATURE

Ray Haston

AND TITLE

Environmental Technician

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:

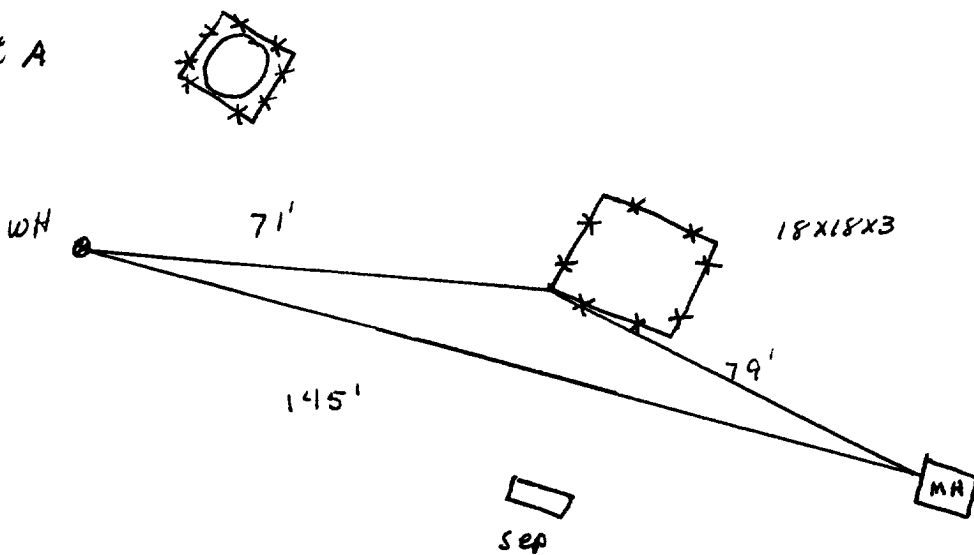
Ken C. Mamm

DATE:

8-18-98

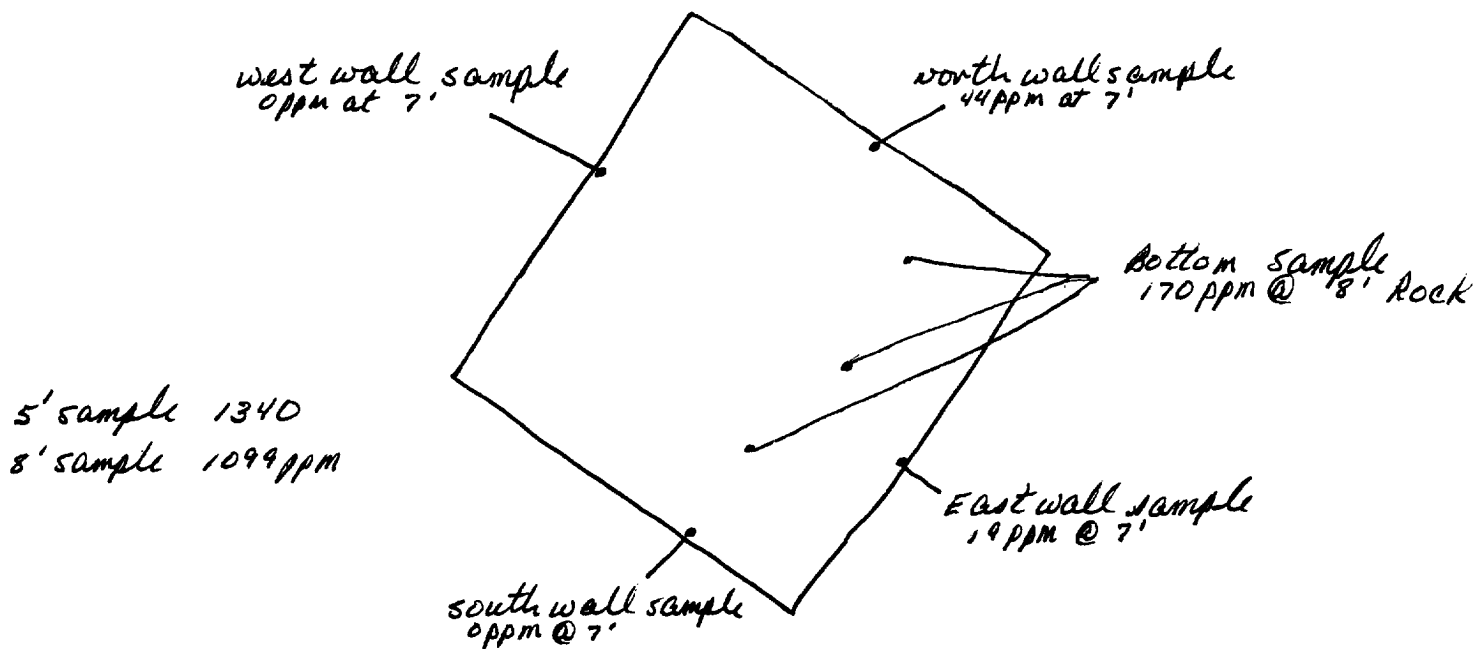
Axi Apache J11  
 CONOCO  
 7-27-98  
 6-25N-5W unit A

N



Excavation Sampling

21'(E+W) X 25'(N+S) X 8' @



not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 10-Aug-98

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

**Project:** PNM Pit Remediation

**Lab Order:** 9807085

## **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.

OFF: (505) 325-5667



LAB: (505) 325-1556

# ANALYTICAL REPORT

Date: 10-Aug-98

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Axi Apache J11
<b>Work Order:</b>	9807085	<b>Client Sample ID:</b>	9807280745; Bottom (3 pit composite) <i>Att.</i>
<b>Lab ID:</b>	9807085-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	PNM Pit Remediation	<b>Collection Date:</b>	7/28/98 7:45:00 AM
		<b>COC Record:</b>	5248

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	8/5/98
<b>BTEX</b>		<b>SW8020A</b>				Analyst: HR
Benzene	.0015	1		µg/Kg	1	8/6/98
Toluene	ND	2		µg/Kg	1	8/6/98
Ethylbenzene	ND	1		µg/Kg	1	8/6/98
m,p-Xylene	5.6	2		µg/Kg	1	8/6/98
o-Xylene	ND	1		µg/Kg	1	8/6/98
	<u>.0071</u>					

**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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OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 10-Aug-98

**Client:** PNM - Public Service Company of NM  
**Work Order:** 9807085  
**Lab ID:** 9807085-01A     **Matrix:** SOIL  
**Project:** PNM Pit Remediation

**Client Sample Info:** Axi Apache J11  
**Client Sample ID:** 9807280735; Walls (wall composite) *AH.*  
**Collection Date:** 7/28/98 7:35:00 AM  
**COC Record:** 5248

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	7/30/98

**Qualifiers:** PQL - Practical Quantitation Limit  
ND - Not Detected at Practical Quantitation Limit  
J - Analyte detected below Practical Quantitation Limit  
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S - Spike Recovery outside accepted recovery limits  
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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 J11  
Location: Unit: D Sec. 6 T. 25 N R. 5 W County Rio Arriba  
Land Type: Jicarilla Apache

Date Remediation Started: 7-27-98 Date Completed: 10-8-98  
Remediation Method: Landfarmed X Approx. cubic yards 156  
Composted —  
Other —

Depth to Ground Water: (pts.) 0  
Distance to an Ephemeral Stream: (pts.) 0  
Distance to Nearest Lake, Playa,  
or Watering Pond: (pts.) 0  
Wellhead Protection Area: (pts.) 0  
Distance to Surface Water: (pts.) 0  
Ranking Score (Total Points): 0

Final Closure Sampling:

Sampling Date: 9-30-98 Time 1305  
Sampling Results:  
Field Headspace (ppm) 1.5  
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

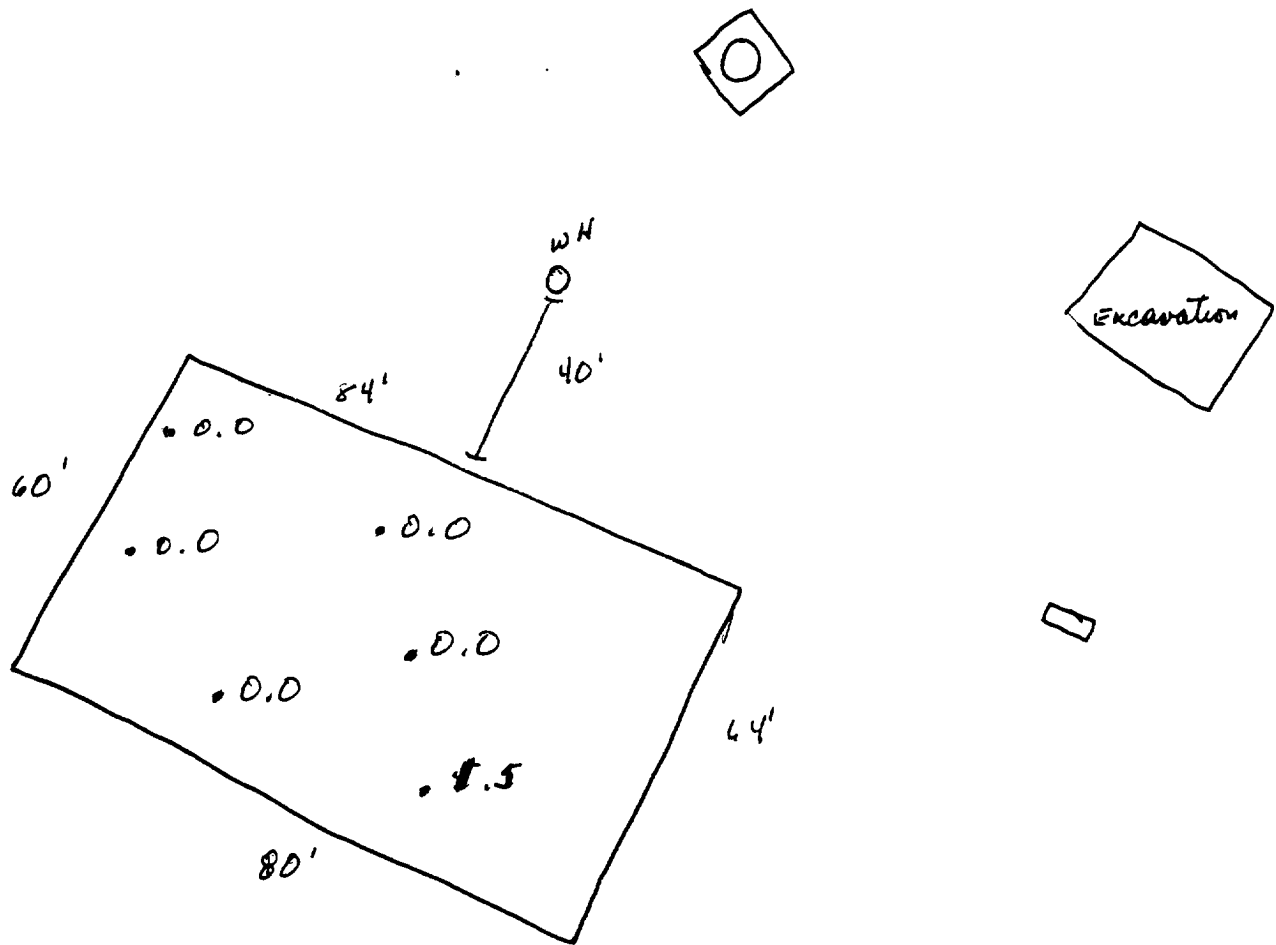
DATE 10-24-98 PRINTED NAME Ray Burnham Ray Haston  
SIGNATURE Ray Haston AND TITLE Environmental Technician II

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

APPROVED: YES X NO — (REASON) was as per Bue Kfull  
SIGNED: Kee C Manda DATE: 11-2-98

Axi Apache J II Landfarm.

N



not to scale



OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 14-Oct-98

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Axi Apache J-11 LF
<b>Work Order:</b>	9810005	<b>Client Sample ID:</b>	9809301305; 6pt. Composite
<b>Lab ID:</b>	9810005-08A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Jicarilla Landfarms	<b>Collection Date:</b>	9/30/98 1:05:00 PM
		<b>COC Record:</b>	7509

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015</b>				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	10/8/98

**Qualifiers:**

PQL - Practical Quantitation Limit

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