

OK

*Henry L. Faust*  
DEPUTY OIL & GAS INSPECTOR

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

FEB 08 1996

*Approved*

PIT REMEDIATION AND CLOSURE REPORT

<b>Operator:</b> <u>PNM Gas Services (Conoco)</u>		<b>Telephone:</b> <u>324-3764</u>	
<b>Address:</b> <u>603 W. Elm Street Farmington, NM 87401</u>			
<b>Facility or Well Name:</b> <u>Axi Apache 0-15</u>			
<b>Location:</b>	<b>Unit:</b> <u>I</u>	<b>Sec.</b> <u>10</u>	<b>T</b> <u>25</u> <b>N</b> <b>R.</b> <u>4</u> <b>W</b> <b>County</b> <u>Rio Arriba</u>
<b>Pit Type:</b>	<b>Separator</b> <u>X</u>	<b>Dehydrator</b> <u>    </u>	<b>Other</b> <u>    </u>
<b>Land Type:</b> <u>Jicarilla Apache</u>			

<b>Pit Location:</b>	<b>Pit dimensions:</b>	<b>length</b> <u>20'</u>	<b>width</b> <u>20'</u>	<b>depth</b> <u>3'</u>
(Attach diagram)	<b>Reference:</b>	<b>wellhead</b> <u>X</u>	<b>other</b> <u>    </u>	
	<b>Footage from reference:</b> <u>87'</u>			
	<b>Direction from reference:</b> <u>10</u>	<b>Degrees</b> <u>    </u>	<b>East</b> <u>    </u>	<b>North</b> <u>    </u>
			<b>of</b>	
		<b>West</b> <u>    </u>	<b>→</b>	<b>South</b> <u>    </u>

<b>Depth to Ground Water:</b> <small>(Vertical distance from contaminants to seasonal high water elevation of ground water)</small>	Less than 50 feet (20 points)	<u>    </u>
	50 feet to 99 feet (10 points)	<u>    </u>
	Greater than 100 feet (0 points)	<u>    </u>
<b>Wellhead Protection Area:</b> <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)	<u>    </u>
	No (0 points)	<u>    </u>
<b>Distance to Surface Water:</b> <small>(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)</small>	Less than 200 feet (20 points)	<u>    </u>
	200 feet to 1,000 feet (10 points)	<u>    </u>
	Greater than 1,000 feet (0 points)	<u>    </u>
<b>Distance to Ephemeral Stream (dry wash):</b> <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)	<u>    </u>
	Greater than 100 feet (0 points)	<u>    </u>
<b>Distance to Nearest Lake, Playa, or Watering Pond:</b> <small>(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)</small>	Less than or equal to 100 feet (10 points)	<u>    </u>
	Greater than 100 feet (0 points)	<u>    </u>
<b>RANKING SCORE (TOTAL POINTS):</b> <u>    </u>		

Date Remediation Started:

11/4/98

Date Completed:

12/28/98

Remediation Method:

Excavation

X

Approx. Cubic Yards

157

(Check all appropriate sections)

Landfarmed

X

Amount Landfarmed (cubic yds):

157

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 side walls AS to get A below 100 ppm head space reading. Bottom is sand stone rock.  
Excavation size: 23'x23'x8'

Ground Water Encountered:

No

X

Yes

Depth \_\_\_\_\_

Final Pit Closure Sampling:

Sample Location

North, East, South, West side walls and Bottom of pit

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

Sample depth

8'

Sample date

11/5/98

Sample time

0739

Sample Results

Soil: Benzene (ppm)

ND

Water: Benzene (ppb)

Total BTEX (ppm)

5.010

Toluene (ppb)

Field headspace (ppm)

716

Ethylbenzene (ppb)

TPH

32

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

11/23/98

PRINTED NAME

Roy Burnham

SIGNATURE

Roy Burnham

AND TITLE

Environmental Technician II

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:

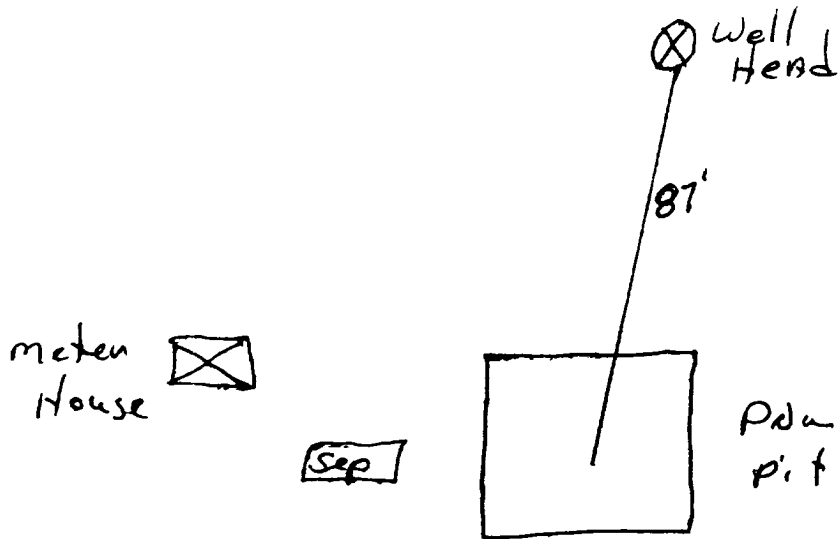
Ken C Mamm

DATE:

11-30-98

Axi Apache 0-15  
Sec. 10 T25N R4W Unit I  
Conoco

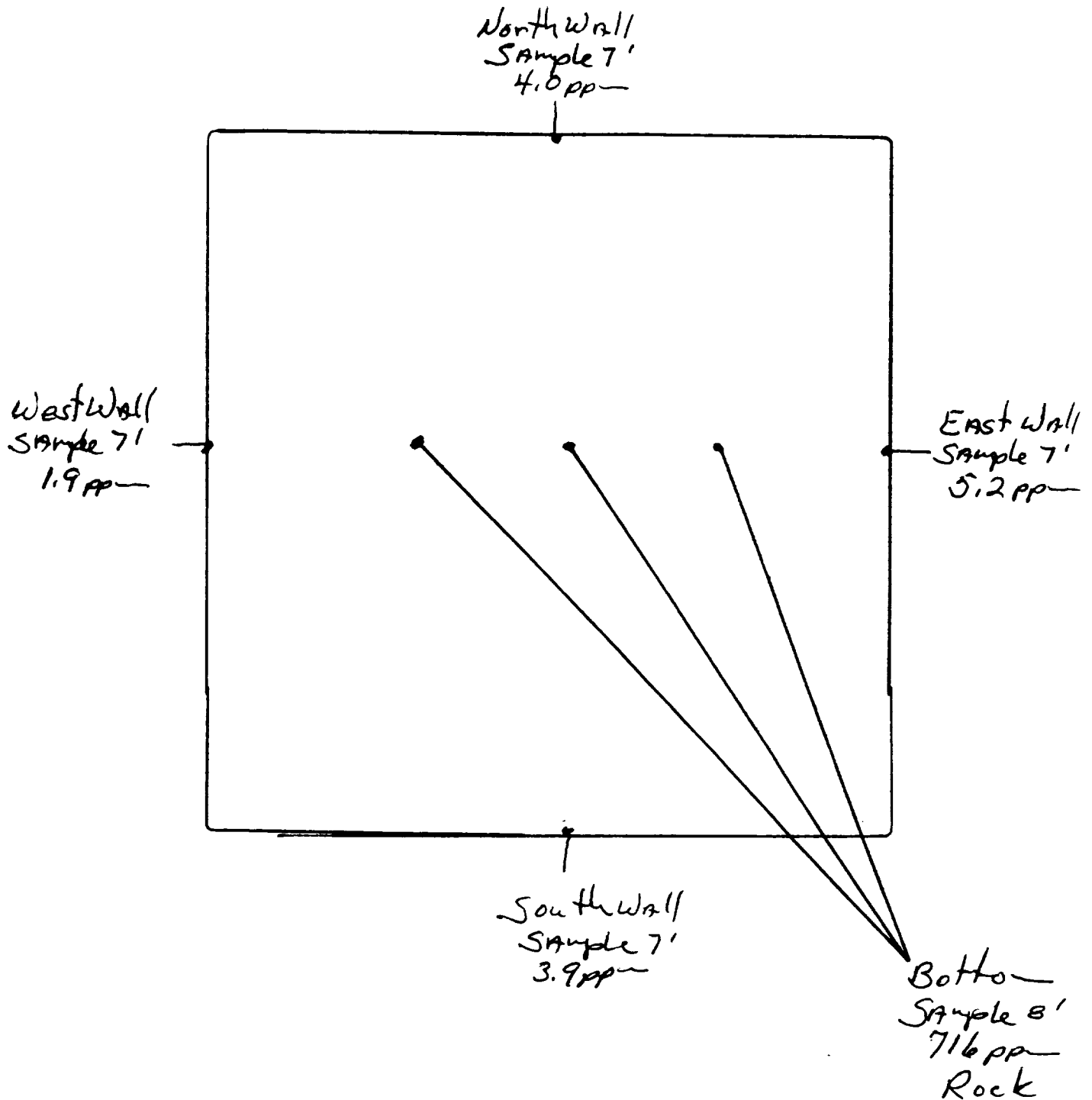
# Site Drawing



Axi Apache 0-15  
Sec. 10 T25N R4W Unit I  
Conoco

Excavation Drawing

23'x23'x8'



OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 16-Nov-98

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

**Project:** Jicarilla Pit Remediation

**Lab Order:** 9811016

## **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: 16-Nov-98

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Axi Apache O-15
<b>Work Order:</b>	9811016	<b>Client Sample ID:</b>	9811050739; 3pt. Comp. Bottom
<b>Lab ID:</b>	9811016-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Jicarilla Pit Remediation	<b>Collection Date:</b>	11/5/98 7:39:00 AM
		<b>COC Record:</b>	7399

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
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### DIESEL RANGE ORGANICS

SW8015

Analyst: DC

T/R Hydrocarbons: C10-C28

32

25

mg/Kg

1

11/15/98

### BTEX

SW8020A

Analyst: HR

Benzene

ND

50

µg/Kg

50

11/9/98

Toluene

ND

100

µg/Kg

50

11/9/98

Ethylbenzene

680

50

µg/Kg

50

11/9/98

m,p-Xylene

3600

100

µg/Kg

50

11/9/98

o-Xylene

730

50

µg/Kg

50

11/9/98

5010  
5.010 ppm

### Qualifiers:

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

P.O. BOX 2606 • FARMINGTON, NM 87499

TECHNOLOGY REPAIRING INDUSTRY WITH THE ENVIRONMENT

OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 16-Nov-98

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Axi Apache O-15
<b>Work Order:</b>	9811016	<b>Client Sample ID:</b>	9811050738; 4pt. Comp. Walls
<b>Lab ID:</b>	9811016-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Jicarilla Pit Remediation	<b>Collection Date:</b>	11/5/98 7:38:00 AM
		<b>COC Record:</b>	7399

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015</b>				<b>Analyst: DC</b>
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	11/15/98

**Qualifiers:**

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Surr: - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT

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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

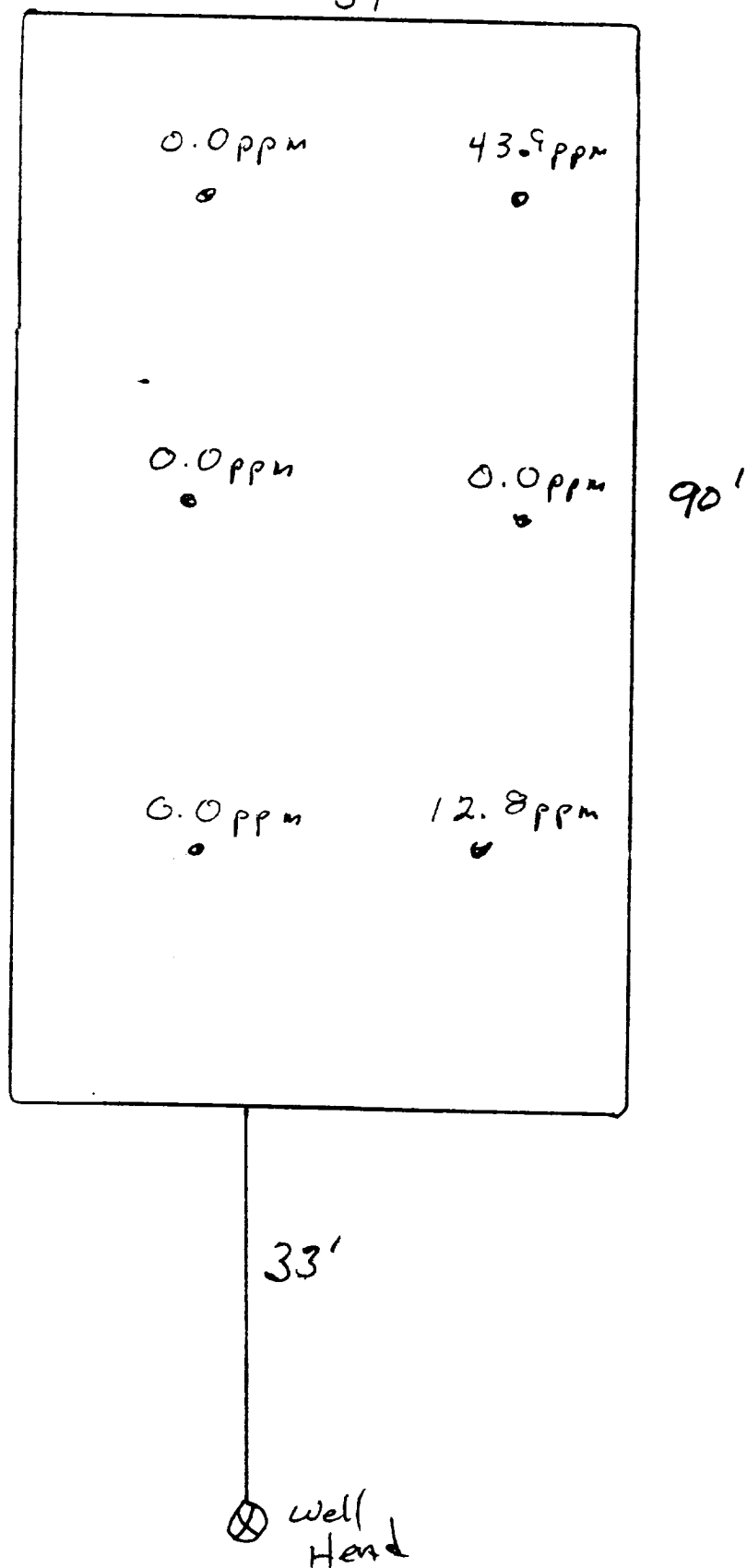
ON-SITE SOIL REMEDIATION REPORT

Operator: <u>PNM Gas Services (Conoco)</u> Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>	
Facility or Well Name: <u>Axi Apache 0-15</u>	
Location: Unit: <u>I</u> Sec. <u>10</u> T. <u>25</u> N. R. <u>4</u> W. County <u>Rio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>11-4-98</u> Date Completed: <u>12/17/98</u>	
Remediation Method: Landfarmed <u>X</u> Approx. cubic yards <u>157</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>12/9/98</u> Time <u>1101</u> Sampling Results: Field Headspace (ppm) <u>43.9</u> TPH (ppm) <u>ND</u> Method <u>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>12/21/98</u> PRINTED NAME <u>Roy Burnham</u>	
SIGNATURE <u>Roy Burnham</u> AND TITLE <u>Environmental Technician II</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>Kurt C. M... ..</u> DATE: <u>12-28-98</u>	



Ax'i Apache O-1S  
Sec 10 T25N R4W Unit I  
Conoco

Land farm Drawing  
39'



OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 17-Dec-98

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

**Project:** Jicarilla Pit Remediation

**Lab Order:** 9812018

## **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: 17-Dec-98

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Axi Apache O-15 LF
<b>Work Order:</b>	9812018	<b>Client Sample ID:</b>	9812091101 6pt Composite
<b>Lab ID:</b>	9812018-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Jicarilla Pit Remediation	<b>Collection Date:</b>	12/9/98 11:01:00 AM
		<b>COC Record:</b>	7450

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	12/14/98

**Qualifiers:**

PQL - Practical Quantitation Limit

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