

<b>Operator:</b> <u>PNM Gas Services (Tanner)</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>Jicarilla 107-9</u>			
<b>Location:</b>	Unit: <u>0</u>	Sec. <u>28</u>	T. <u>26</u> N R. <u>4</u> W County <u>Rio Arriba</u>
<b>Pit Type:</b>	Separator <u>    </u>	Dehydrator <u>X</u>	Other <u>    </u>
<b>Land Type:</b> <u>Jicarilla Apache</u>			

<b>Pit Location:</b>	<b>Pit dimensions:</b>	length <u>20'</u>	width <u>20'</u>	depth <u>4'</u>
(Attach diagram)	<b>Reference:</b>	wellhead <u>X</u>	other <u>    </u>	
	<b>Footage from reference:</b>	<u>105'</u>		
	<b>Direction from reference:</b>	<u>70°</u> Degrees <u>X</u> East	North <u>    </u>	
		<u>    </u> West	of South <u>X</u>	

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

<b>RANKING SCORE (TOTAL POINTS):</b>	<u>0</u>
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Date Remediation Started:

11-2-98

Date Completed:

12/15/98 R40  
11/2/98

Remediation Method:

Excavation ☒

Approx. Cubic Yards

73

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds):

73

Other \_\_\_\_\_

Remediation Location:

Onsite ☒

Offsite \_\_\_\_\_

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

General Description of Remedial Action:

Removed contaminated soil from all 4 side walls  
& pit bottoms to get a below 100 ppm head space  
reading.  
Excavated pit 15' x 12' x 11'

Ground Water Encountered:

No ☒

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

11'

Sample date

11/2/98

Sample time

0945

Sample Results

Soil: Benzene (ppm)

4

Water: Benzene (ppb)

\_\_\_\_\_

Total BTEX (ppm)

\_\_\_\_\_

Toluene (ppb)

\_\_\_\_\_

Field headspace (ppm)

6.0 ppm

Ethylbenzene (ppb)

\_\_\_\_\_

TPH NO ppm

Method

TPH 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

11/2/98

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 ☒

NO \_\_\_\_\_

(REASON): \_\_\_\_\_

SIGNED:

Kent M. Wall

DATE:

11-30-98

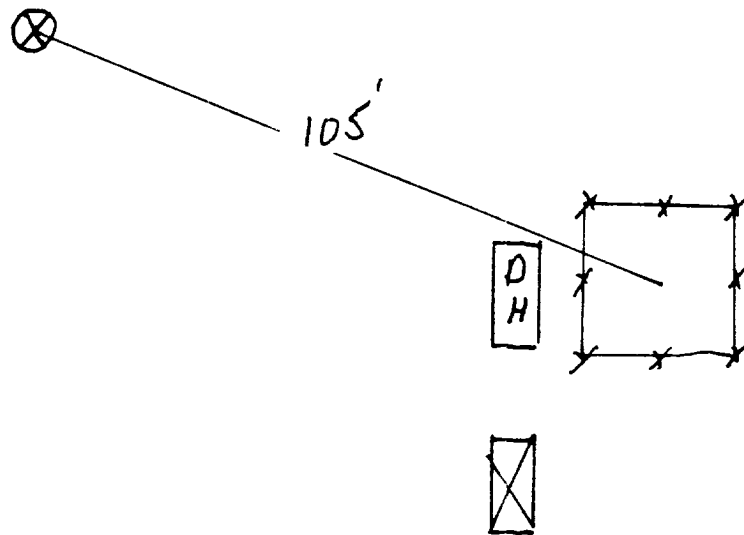
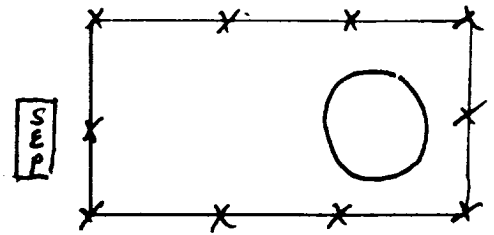
Jicarilla 107-9  
Taurus  
Sec. 28, 26N, 4W, 0

11-2-98

↑  
N

site drawing:

↑  
N



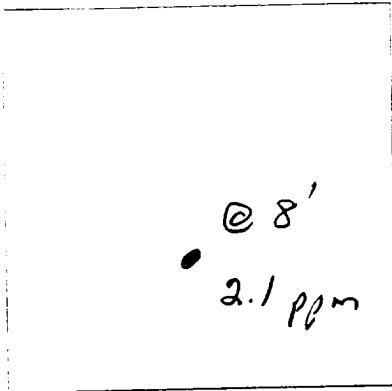
not to scale

Jicarilla 107-9

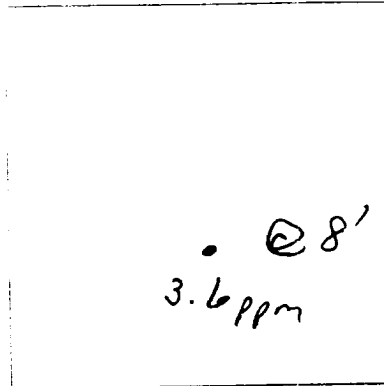
Taurus

Sec. 28, 26N, 4W. O

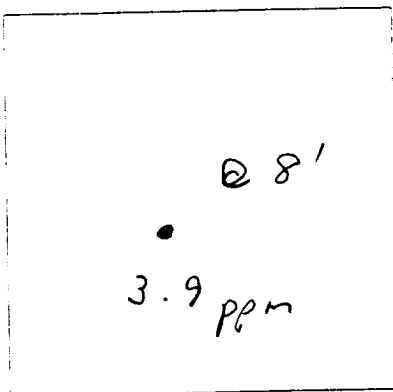
## North Wall



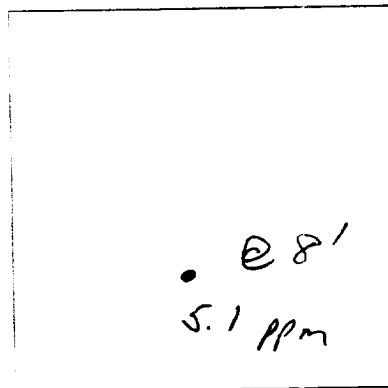
## South Wall



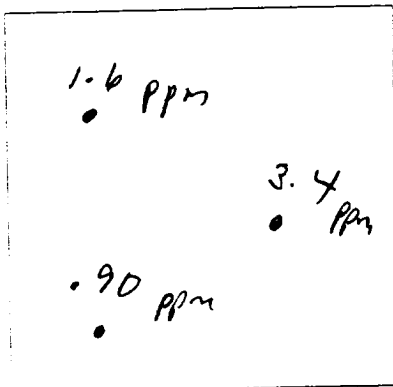
## East Wall



## West Wall



## Bottom



@ 11' depth

3pt. composite - 6.0

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 107-9

**Lab Order:** 9811023

## **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>	Jicarilla 107-9
<b>Work Order:</b>	9811023	<b>Client Sample ID:</b>	9811020945; Bottom @ 11 ft
<b>Lab ID:</b>	9811023-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Jicarilla 107-9	<b>Collection Date:</b>	11/2/98 9:45:00 AM
		<b>COC Record:</b>	7416

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	11/14/98

**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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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>	Jicarilla 107-9
<b>Work Order:</b>	9811023	<b>Client Sample ID:</b>	9811020950; Walls @ 8 ft
<b>Lab ID:</b>	9811023-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Jicarilla 107-9	<b>Collection Date:</b>	11/2/98 9:50:00 AM
		<b>COC Record:</b>	7416

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	11/14/98

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PQL - Practical Quantitation Limit

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R - RPD outside accepted recovery limits

E - Value above quantitation range

Sum: - Surrogate

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1 of 1

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

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>PNM Gas Services (Taurus)</u> Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>	
Facility or Well Name: <u>Jicarilla 107-9</u>	
Location: Unit: <u>0</u> Sec. <u>28</u> T. <u>26</u> N R. <u>4</u> W County <u>Rio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>11/2/98</u> Date Completed: <u>12/1/98</u>	
Remediation Method: Landfarmed <u>X</u> Approx. cubic yards <u>73 yards</u>	
Composted <u>    </u>	
Other <u>    </u>	
Depth to Ground Water: (pts.) <u>0</u>	Final Closure Sampling: Sampling Date: <u>12/1/98</u> Time <u>0925</u> Sampling Results: Field Headspace (ppm) <u>58.9</u> ppm TPH (ppm) <u>650</u> Method <u>TPH-BOW</u> Other <u>    </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>	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE <u>12/14/98</u>	PRINTED NAME <u><del>Ronald A. Dedrick</del> GAVY COOK</u>
SIGNATURE <u>Mary Cook</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>    </u>	
SIGNED: <u>K. O. M...</u>	DATE: <u>12-15-98</u>

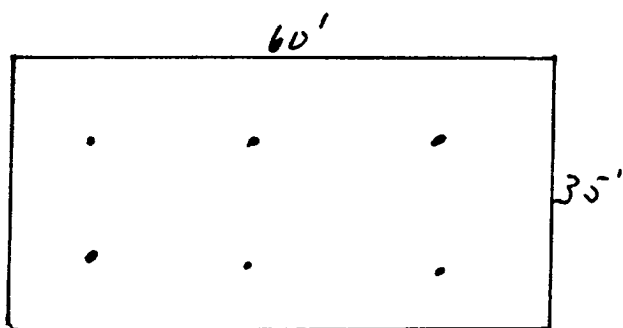


Jicavilla 107-9  
Taurus  
Sec. 28, 26 N, 4W, 0

11/2/98

Landform: On location

↑  
N



⊗ Jicavilla 107-9  
well head

2"-12" depth

Soil vapor headspace = 58.9 ppm

not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 10-Dec-98

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** Jicarilla Pit Remediation  
**Lab Order:** 9812004

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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: 10-Dec-98

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Jicarilla 107-9 LF
<b>Work Order:</b>	9812004	<b>Client Sample ID:</b>	9812010925; 6pt Composite
<b>Lab ID:</b>	9812004-03A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Jicarilla Pit Remediation	<b>Collection Date:</b>	12/1/98 9:25:00 AM
		<b>COC Record:</b>	7446

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	650	25		mg/Kg	1	12/9/98

Pit will be backfilled from borrow pit, bottom of  
the hill near Jicarilla landfarm #6.  
hr

<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	Surrogate - Surrogate

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