

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

PIT REMEDIATION AND CLOSURE REPORT

RANKING SCORE (TOTAL POINTS) :

Date Remediation Started:

8/22/96

Date Completed:

9/25/96

Remediation Method:

Excavation

X

Approx. Cubic Yards

424

(Check all appropriate sections)

Landfarmed

X

Amount Landfarmed (cubic yds):

424

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 and bottom of pit as to get it below 100 ppm head space readings.

Ground Water Encountered:

No

X

Yes _____

Depth _____

Final Pit Closure Sampling:

Sample Location

North, East, South, West side walls and pit bottom.

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

Sample depth

20'

Sample date

8/22/96

Sample time

1355

Sample Results

Soil: Benzene (ppm)

Water: Benzene (ppb)

Total BTEX (ppm)

Toluene (ppb)

Field headspace (ppm)

83.4

Ethylbenzene (ppb)

TPH 6.0 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

8/25/96

PRINTED NAME

Ronald A. Dedrick

SIGNATURE

Ronald A. Dedrick

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): _____

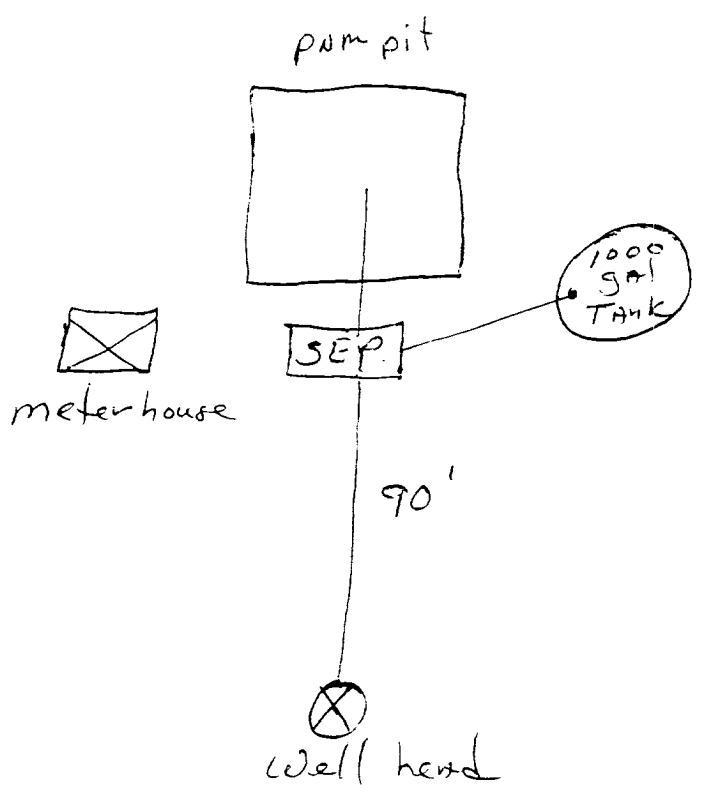
SIGNED:

Kenn C. Marshall

DATE:

8-26-96

Jicarilla Apache 102-27
Sec 10 T26N R4W Unit J.
Amoco



OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *23-Aug-96*
COC No.: *4865*
Sample No. *11884*
Job No. *2-1000*

Project Name: ***PNM Gas Services - Jicarilla Apache 102-27 Run 12-51***
Project Location: ***9608221355; 5pt. Composite***
Sampled by: *EP* Date: *22-Aug-96* Time: *13:55*
Analyzed by: *DC/HR* Date: *23-Aug-96*
Sample Matrix: *Soil*

Laboratory Analysis

<i>Parameter</i>	<i>Result</i>	<i>Unit of Measure</i>	<i>Detection Limit</i>	<i>Unit of Measure</i>
<i>Diesel Range Organics (C10 - C28)</i>	<i>6.0</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

DRO QC No.: *0489-QC*

Calibration Check

<i>Parameter</i>	<i>Method Blank</i>	<i>Unit of Measure</i>	<i>True Value</i>	<i>Analyzed Value</i>	<i>% Diff</i>	<i>Limit</i>
<i>Diesel Range (C10 - C28)</i>	<i><5.0</i>	<i>ppm</i>	<i>100</i>	<i>112</i>	<i>12.0</i>	<i>15%</i>

Matrix Spike

<i>Parameter</i>	<i>1 - Percent Recovered</i>	<i>2 - Percent Recovered</i>	<i>Limit</i>	<i>%RSD</i>	<i>Limit</i>
<i>Diesel Range (C10-C28)</i>	<i>112</i>	<i>114</i>	<i>(70-130)</i>	<i>1</i>	<i>20%</i>

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: *DC*

Date: *8/23/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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

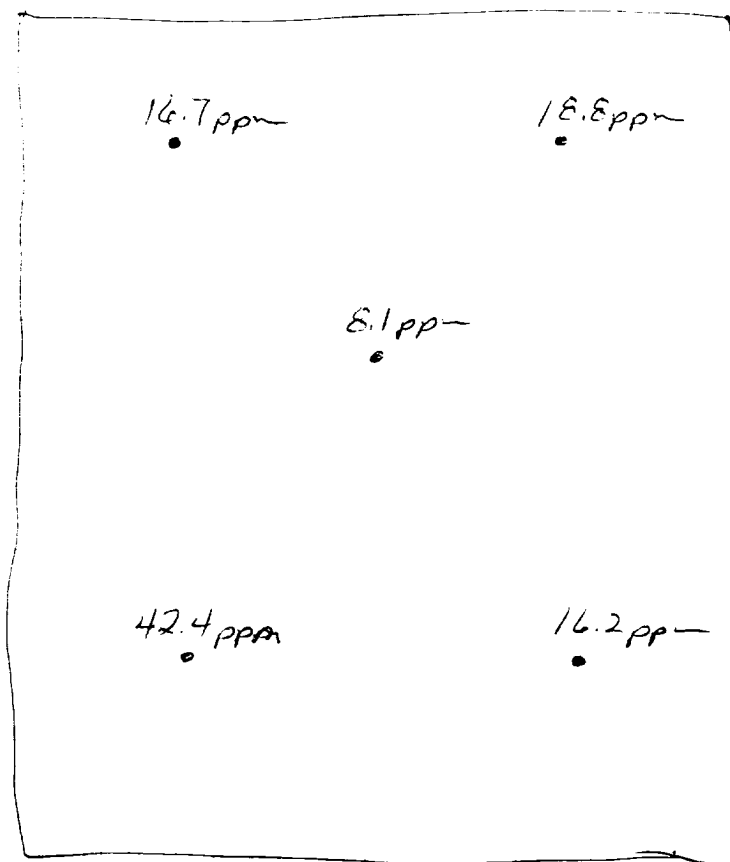
Operator: <u>PNM Gas Services (Amoco)</u>		Telephone: <u>324-3764</u>
Address: <u>603 W. Elm Street Farmington, NM 87401</u>		
Facility or Well Name: <u>Jicarilla Apache 102-27</u>		
Location:	Unit: <u>J</u>	Sec. <u>10</u> T. <u>26 N</u> R. <u>4 W</u> County <u>Rio Arriba</u>
Land Type: <u>Jicarilla Apache</u>		
Date Remediation Started: <u>8/22/96</u>		Date Completed: <u>9/11/96</u>
Remediation Method: Landfarmed <u>X</u>		Approx. cubic yards <u>424</u>
Composted <u> </u>		
Other <u> </u>		
Depth to Ground Water: (pts.) <u>0</u>		Final Closure Sampling: Sampling Date: <u>9/11/96</u> Time <u>1239</u> Sampling Results: Field Headspace (ppm) <u>42.4</u> TPH (ppm) <u><5.0</u> Method <u>8015</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>9/15/96</u>		PRINTED NAME <u>Ronald A. Dedrick</u>
SIGNATURE <u>Ronald A. Dedrick</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>Kenn C. Marshall</u>		DATE: <u>9-17-96</u>

SICHTH 11/11/19 102-21

Sec. 10 T26N R4W Unit J

Amoco

7.5'



147'

OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *11-Sep-96*
COC No.: *5265*
Sample No. *12124*
Job No. *2-1000*

Project Name: *PNM Gas Services - Jicarilla Apache 102-27 Landfarm Run 12-51*
Project Location: *9609111239; 5pt. Composite*
Sampled by: *RD* Date: *11-Sep-96* Time: *12:39*
Analyzed by: *DC/BV* Date: *11-Sep-96*
Sample Matrix: *Soil*

Laboratory Analysis

<i>Parameter</i>	<i>Result</i>	<i>Unit of Measure</i>	<i>Detection Limit</i>	<i>Unit of Measure</i>
<i>Diesel Range Organics (C10 - C28)</i>	<i>< 5.0</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

DRO QC No.: 0489-QC

Calibration Check

<i>Parameter</i>	<i>Method Blank</i>	<i>Unit of Measure</i>	<i>True Value</i>	<i>Analyzed Value</i>	<i>% Diff</i>	<i>Limit</i>
<i>Diesel Range (C10 - C28)</i>	<i>< 5.0</i>	<i>ppm</i>	<i>100</i>	<i>93</i>	<i>7.1</i>	<i>15%</i>

Matrix Spike

<i>Parameter</i>	<i>1 - Percent Recovered</i>	<i>2 - Percent Recovered</i>	<i>Limit</i>	<i>%RSD</i>	<i>Limit</i>
<i>Diesel Range (C10-C28)</i>	<i>98</i>	<i>114</i>	<i>(70-130)</i>	<i>11</i>	<i>20%</i>

Method - *SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

Approved by: *Jac*
Date: *9/12/96*