

District I  
P O Box 190, Hobbs, NM

District II  
P O Drawer DD, Artesia, NM 88221

District III  
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

SUBMIT 1 COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICE

OIL CONSERVATION DIVISION

2040 South Pacheco Street  
Santa Fe, New Mexico 87505

**PIT REMEDIATION AND CLOSURE REPORT**

Operator: PNM Gas Services (Texaco) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Mexico Federal B #1A

Location: Unit: M Sec. 9 T. 28 N R. 10 W County San Juan

Pit Type: Separator — Dehydrator — Other No PNM Equipment

Land Type: BLM ☒ State — Fee — Other —

Pit Location: Pit dimensions: length 18 width 18 depth 4

(Attach diagram) Reference: wellhead ☒ other —

Footage from reference: 90'

Direction from reference: 35 Degrees ☒ East — North —

— West of — South ☒

Depth to Ground Water: Less than 50 feet (20 points)  
50 feet to 99 feet (10 points)  
Greater than 100 feet (0 points) 0

(Vertical distance from contaminants to  
seasonal high water elevation of ground  
water)

**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

**RANKING SCORE (TOTAL POINTS):** 0

**Date Remediation Started:** 8/29/96 **Date Completed:** 9/3/96

**Remediation Method:** Excavation X **Approx. Cubic Yard** 141

(Check all appropriate sections) Landfarmed X **Amount Landfarmed (cubic yds)** 141

Other \_\_\_\_\_

**Remediation Location:** Onsite X Offsite \_\_\_\_\_  
(i.e., landfarmed onsite, name and location of offsite facility)

**Backfill Material Location:** \_\_\_\_\_

**General Description of Remedial Action:**

Excavated contaminated soil to pit size of 16'x17'x14' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerated by plowing/disking until soil met regulatory levels.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Ground Water Encountered:** No ☒ Yes \_\_\_\_\_ Depth \_\_\_\_\_

**Final Pit Closure Sampling:** Sample Location 5 pt composite-4 side walls and center of pit bottom

(if multiple samples, attach sample result and diagram of sample locations and depths.) Sample depth 14'

Sample date 8/29/96 Sample time 1:00:00 PM

**Sample Results**

Benzene (ppm) < 0.0002

Total BTEX (ppm) 0.0028

Field headspace (ppm) \_\_\_\_\_

TPH 19.9 Method 8015A

Vertical Extent (ft) \_\_\_\_\_ Risk Assessment form attached Yes ☐ No ☒

**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 January 22, 1997

SIGNATURE

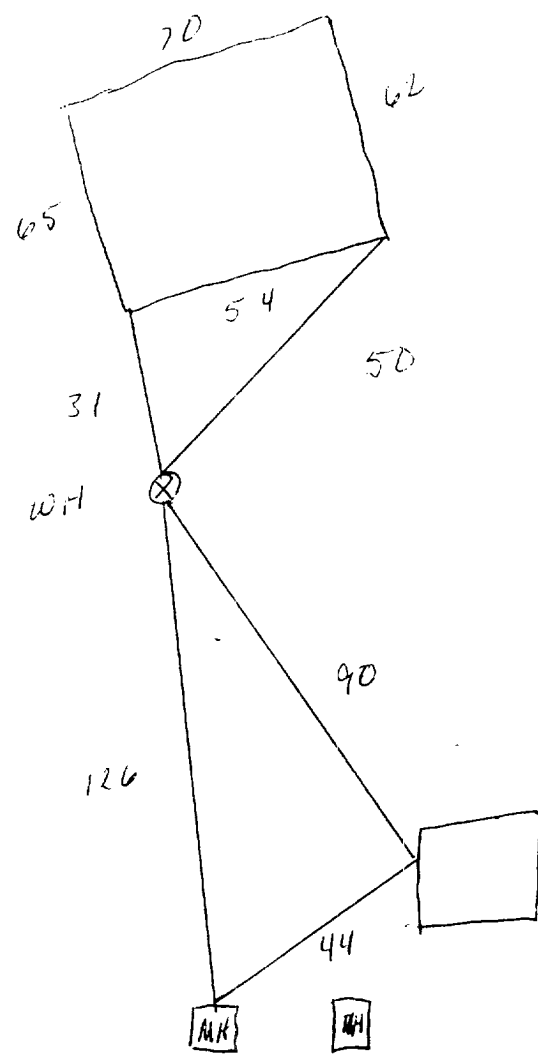


PRINTED NAME  
AND TITLE

Denver Bearden  
Administrator III

N

Mexico Federal B #1A



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: *3-Sep-96*  
COC No.: *4959*  
Sample No.: *11957*  
Job No.: *2-1000*

Project Name: ***PNM Gas Services - Mexico Federal B #1A***  
Project Location: ***9608291300; Pit Excavation Composite Sample***  
Sampled by: *RH* Date: *29-Aug-96* Time: *13:00*  
Analyzed by: *DC* Date: *3-Sep-96*  
Sample Matrix: *Soil*

***Laboratory Analysis***

<b><i>Parameter</i></b>	<b><i>Result</i></b>	<b><i>Unit of Measure</i></b>	<b><i>Detection Limit</i></b>	<b><i>Unit of Measure</i></b>
<b><i>Diesel Range Organics (C10 - C28)</i></b>	<i>19.9</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

***Quality Assurance Report****DRO QC No.: 0489-QC****Calibration Check***

<b><i>Parameter</i></b>	<b><i>Method Blank</i></b>	<b><i>Unit of Measure</i></b>	<b><i>True Value</i></b>	<b><i>Analyzed Value</i></b>	<b><i>% Diff</i></b>	<b><i>Limit</i></b>
<b><i>Diesel Range (C10 - C28)</i></b>	<i>&lt;5.0</i>	<i>ppm</i>	<i>100</i>	<i>106</i>	<i>5.9</i>	<i>15%</i>

***Matrix Spike***

<b><i>Parameter</i></b>	<b><i>1 - Percent Recovered</i></b>	<b><i>2 - Percent Recovered</i></b>	<b><i>Limit</i></b>	<b><i>%RSD</i></b>	<b><i>Limit</i></b>
<b><i>Diesel Range (C10-C28)</i></b>	<i>104</i>	<i>96</i>	<i>(70-130)</i>	<i>5</i>	<i>20%</i>

***Method*** - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas ChromatographyApproved by: *Ja*Date: *9/3/96***P.O. BOX 2606 • FARMINGTON, NM 87499**

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OFF: (505) 325-5667



LAB: (505) 325-1556

**AROMATIC VOLATILE ORGANICS**

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

Date: *3-Sep-96*  
COC No.: *4959*  
Sample No.: *11957*  
Job No.: *2-1000*

Project Name: *PNM Gas Services - Mexico Federal B #1A*  
Project Location: *9608291300; Pit Excavation Composite Sample*  
Sampled by: *RH* Date: *29-Aug-96* Time: *13:00*  
Analyzed by: *DC* Date: *3-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>Benzene</i>	<i>&lt; 0.2</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>1.7</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>&lt; 0.2</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>1.1</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>&lt; 0.2</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>TOTAL</i>	<i>2.8</i>	<i>ug/kg</i>		

**Method** - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by: *[Signature]*  
Date: *9/3/96*

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Mexico Federal B # 1A

10-1-96

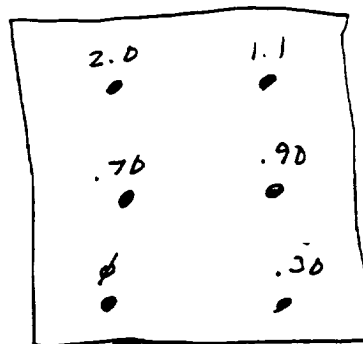
Four Star

Sec. 9, 28N, 10W

Land Farm : On location

Composite sample # 9610011210 4pt comp.

Soil vapor head space PID reading = 5.1 ppm



2"-12" depth

⊗

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: *3-Oct-96*  
COC No.: *5079*  
Sample No. *12403*  
Job No. *2-1000*

Project Name: *PNM Gas Services - Mexico Federal B #1A Landfarm*  
Project Location: *9610011210; 6pt. Composite, 2"-12" depth*  
Sampled by: *GC* Date: *1-Oct-96* Time: *12:10*  
Analyzed by: *DC/HR* Date: *3-Oct-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>&lt;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>&lt;5.0</i>	<i>ppm</i>	<i>100</i>	<i>110</i>	<i>9.9</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>103</i>	<i>(70-130)</i>	<i>6</i>	<i>20%</i>

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

Approved by: *[Signature]*

Date: *10/3/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

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