

District I *Denny S. Foust*  
 P O Box 1980 Hobbs, NM  
**DEPUTY OIL & GAS INSPECTOR**  
 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

**FEB 28 1997**

*Hypocent*

**PIT REMEDIATION AND CLOSURE REPORT**

**RECEIVED**  
 OCT 31 1996

**OIL CON. DIV.**

<b>Operator:</b> <u>PNM Gas Services ( Snyder )</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>Manley #1</u>			
<b>Location:</b>	Unit: <u>P</u>	Sec. <u>31</u>	T. <u>29 N</u> R. <u>10 W</u> County <u>San Juan</u>
<b>Pit Type:</b>	Separator <u>    </u>	Dehydrator <u>    </u>	Other <u>No PNM equipment</u>
<b>Land Type:</b>	BLM <input checked="" type="checkbox"/>	State <u>    </u>	Fee <u>    </u> Other <u>    </u>

<b>Pit Location:</b>	Pit dimensions: length <u>15</u> width <u>15</u> depth <u>3</u>
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other <u>    </u>
	Footage from reference: <u>82'</u>
	Direction from reference: <u>73</u> Degrees <input checked="" type="checkbox"/> East <input type="checkbox"/> North <input checked="" type="checkbox"/> <input type="checkbox"/> West of <input type="checkbox"/> South

<b>Depth to Ground Water:</b>	Less than 50 feet (20 points)	
	50 feet to 99 feet (10 points)	
	Greater than 100 feet (0 points)	<u>0</u>
<small>(Vertical distance from contaminants to seasonal high water elevation of ground water)</small>		
<b>Wellhead Protection Area:</b>	Yes (20 points)	
	No (0 points)	<u>0</u>
<small>(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)</small>		
<b>Distance to Surface Water:</b>	Less than 200 feet (20 points)	
	200 feet to 1,000 feet (10 points)	
	Greater than 1,000 feet (0 points)	<u>0</u>
<small>(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)</small>		
<b>RANKING SCORE (TOTAL POINTS):</b>		<u>0</u>

**Date Remediation Started:** \_\_\_\_\_ **Date Completed:** \_\_\_\_\_

**Remediation Method:** Excavation \_\_\_\_\_ Approx. Cubic Yard \_\_\_\_\_

(Check all appropriate sections)

Landfarmed \_\_\_\_\_ Amount Landfarmed (cubic yds) \_\_\_\_\_

Other \_\_\_\_\_

**Remediation Location:** Onsite \_\_\_\_\_ Offsite \_\_\_\_\_

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

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

**General Description of Remedial Action:**

No remedial action necessary. Lab results below BLM/OCD standards

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

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

**Final Pit Closure Sampling:**

Sample Location 5 pt composite

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

Sample depth 9'

Sample date 9/17/96 Sample time 12:45:00 PM

**Sample Results**

Benzene (ppm) < 0.0002

Total BTEX (ppm) 0.0468

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

TPH < 5.00 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

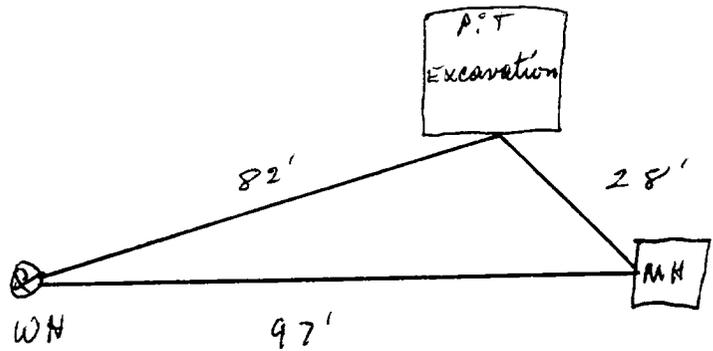
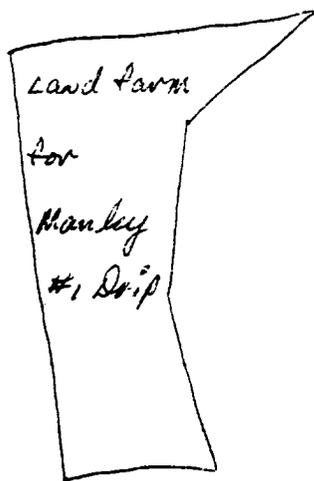
DATE October 25, 1996

SIGNATURE Maureen Gannon

PRINTED NAME AND TITLE Maureen Gannon Environmental Engineer

Manley #1

↑  
N



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: *19-Sep-96*  
 COC No.: *4885*  
 Sample No. *12182*  
 Job No. *2-1000*

Project Name: **PNM Gas Services - Manley #1**  
 Project Location: **9609171245; Pit Excavation Composite Sample**  
 Sampled by: RH Date: 17-Sep-96 Time: 12:45  
 Analyzed by: DC/HR Date: 19-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>&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>93</i>	<i>6.9</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>91</i>	<i>81</i>	<i>(70-130)</i>	<i>8</i>	<i>20%</i>

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

Approved by: *JG*  
 Date: *9/19/96*

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: 19-Sep-96  
 COC No.: 4885  
 Sample No.: 12182  
 Job No.: 2-1000

Project Name: **PNM Gas Services - Manley #1**  
 Project Location: **9609171245; Pit Excavation Composite Sample**  
 Sampled by: RH Date: 17-Sep-96 Time: 12:45  
 Analyzed by: DC Date: 18-Sep-96  
 Sample Matrix: Soil

#### Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
<i>Benzene</i>	<0.2	ug/kg	0.2	ug/kg
<i>Toluene</i>	7.9	ug/kg	0.2	ug/kg
<i>Ethylbenzene</i>	<0.2	ug/kg	0.2	ug/kg
<i>m,p-Xylene</i>	36.6	ug/kg	0.2	ug/kg
<i>o-Xylene</i>	2.4	ug/kg	0.2	ug/kg
	<b>TOTAL</b>	46.8		ug/kg

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

Approved by: *Jack*  
 Date: 9/19/96

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