

District I  
P.O. Box 1980 Hobbs NM

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

District II  
P.O. Drawer 100

*Deanna E. Faust*  
**DEPUTY OIL & GAS INSPECTOR**

**OIL CONSERVATION DIVISION**

District III  
1000 Rio Brazos Rd. Aztec, NM 87410

2040 South Pacheco Street  
Santa Fe, New Mexico 87505

**JUL 18 1997**

**PIT REMEDIATION AND CLOSURE REPORT**

*Approved*

**Operator:** PNM Gas Services Questar ) **Telephone:** 324-3764

**Address:** 603 W. Elm Street Farmington, NM 87401

**Facility or Well Name:** Federal A #1E

**Location:** Unit: O Sec. 25 T. 30 N R. 13 W County San Juan

**Pit Type:** Separator Dehydrator  Other

**Land Type:** BLM  State Fee Other

**Pit Location:** Pit dimensions: length 15 width 15 depth 3

(Attach diagram) **Reference:** wellhead  other

**Footage from reference:** 102'

**Direction from reference:** 8 Degrees  East North   
of  West South

**Depth to Ground Water:**  
(Vertical distance from contaminants to seasonal high water elevation of ground water)  
Less than 50 feet (20 points)  
50 feet to 99 feet (10 points)  
Greater than 100 feet (0 points) 0

**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

**RECEIVED**  
APR 24 1997

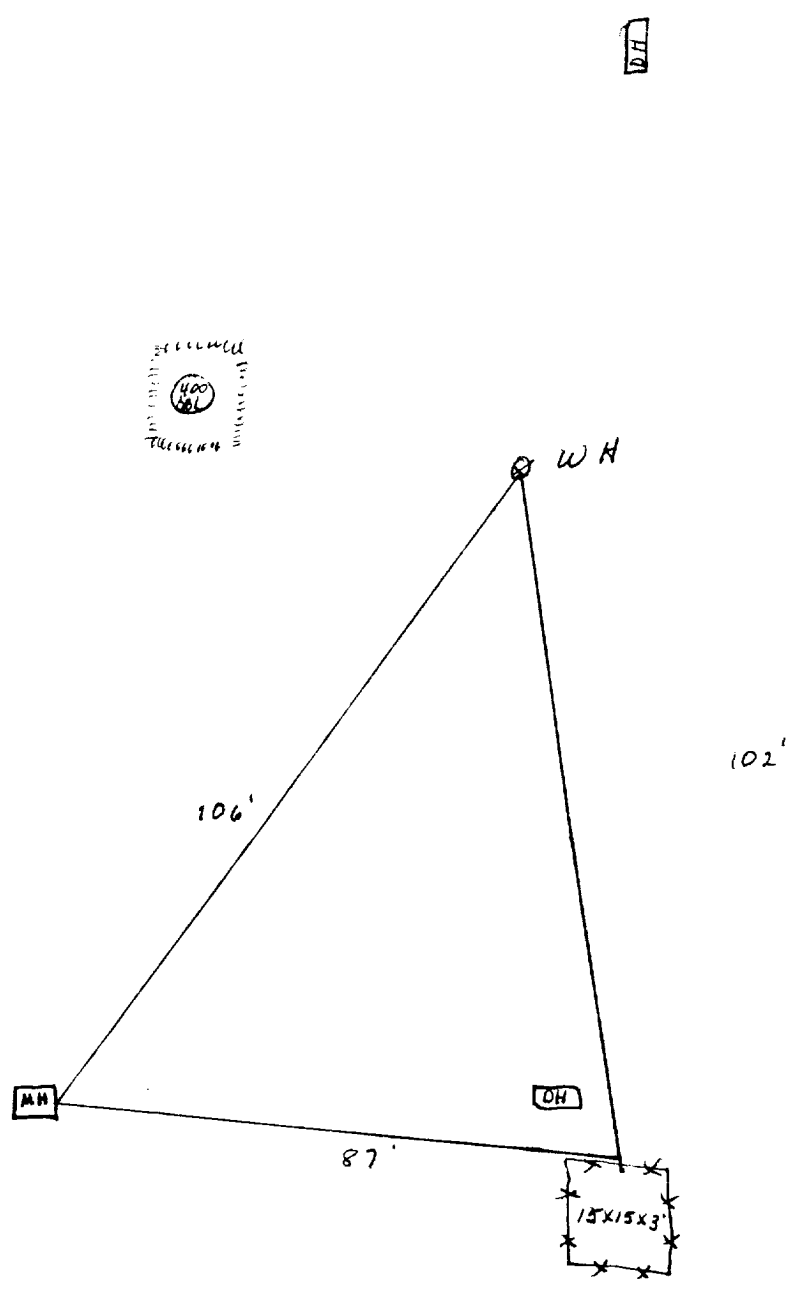
**OIL CON. DIV.**  
**DIST. 3**



Federal A # 1E

8° E of S

102' from well head



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: *22-Nov-96*  
 COC No.: *5137*  
 Sample No. *12954*  
 Job No. *2-1000*

Project Name: *PNM Gas Services - Federal A #1E*  
 Project Location: *9611201500; Pit Excavation Composite Sample*  
 Sampled by: *RH* Date: *20-Nov-96* Time: *15:00*  
 Analyzed by: *DC/HR* Date: *22-Nov-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>14.1</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

***Quality Assurance Report***

*DRO QC No.: 0512-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>107</i>	<i>7.3</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>109</i>	<i>107</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:   
 Date: *11/25/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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: *22-Nov-96*  
 COC No.: *5137*  
 Sample No. *12954*  
 Job No. *2-1000*

Project Name: *PNM Gas Services - Federal A #1E*  
 Project Location: *9611201500; Pit Excavation Composite Sample*  
 Sampled by: *RH* Date: *20-Nov-96* Time: *15:00*  
 Analyzed by: *DC* Date: *21-Nov-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>14.1</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>776.6</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>481.4</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>4580.8</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>1105.5</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
	<i>TOTAL</i>	<i>6958.3</i>		<i>ug/kg</i>

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

Approved by: *[Signature]*  
 Date: *11/22/96*

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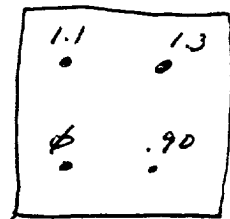
Federal A# 1E

1-6-97

Questar

Sec. 25, 30 N, 13 W

Land Farm: On location  
composite sample # 9701061130  
soil vapor head space PID reading = 11.8 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: *8-Jan-97*  
 COC No.: *5862*  
 Sample No. *13325*  
 Job No. *2-1000*

Project Name: *PNM Gas Services - Federal A #1E Landfarm*  
 Project Location: *9701061130; 4pt. Composite, 2"-12" depth*  
 Sampled by: *GC* Date: *6-Jan-97* Time: *11:30*  
 Analyzed by: *HR* Date: *6-Jan-97*  
 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.: 0512-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>101</i>	<i>1.4</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>100</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:   
 Date: *1/8/97*