

District I  
P.O. Box 9004  
Albuquerque, NM 87106  
District II  
P.O. Box 9004  
Albuquerque, NM 87106  
District III  
1000 Rio Brazos Rd. Aztec, NM 87412

*Denny L. Faust*  
**DEPUTY OIL & GAS INSPECTOR**

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

**PIT REMEDIATION AND CLOSURE REPORT**

**RECEIVED**  
OCT 31 1996

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

**Operator:** PNM Gas Services ( SRC ) **Telephone:** 324-3764

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

**Facility or Well Name:** Nye #13

**Location:** Unit: DM Sec. 09 T. 30N R. 10W County San Juan

**Pit Type:** Separator ☐ Dehydrator ☒ Other ☐

**Land Type:** BLM ☒ State ☐ Fee ☐ Other ☐

**Pit Location:** Pit dimensions: length 15 width 15 depth 6

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

**Footage from reference:** 70'

**Direction from reference:** 85 Degrees ☒ East ☐ North ☒  
of  
☐ West ☐ South ☐

**Depth to Ground Water:**

Less than 50 feet	(20 points)	
50 feet to 99 feet	(10 points)	
Greater than 100 feet	(0 points)	<u>0</u>

(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)	<u>0</u>

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

Date Remediation Started:

6/5/96

Date Completed:

6/7/96

Remediation Method:

Excavation

☒

Approx. Cubic Yard

224

(Check all appropriate sections)

Landfarmed

☒

Amount Landfarmed (cubic yds)

176

Other

Remediation Location:

Onsite

☒

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 18'x21'x16' 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

16'

Sample date

6/6/96

Sample time

11:05:00 AM

Sample Results

Benzene (ppm)

&lt;

0.0002

Total BTEX (ppm)

0.0522

Field headspace (ppm)

TPH

&lt;

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

PRINTED NAME

Maureen Gannon

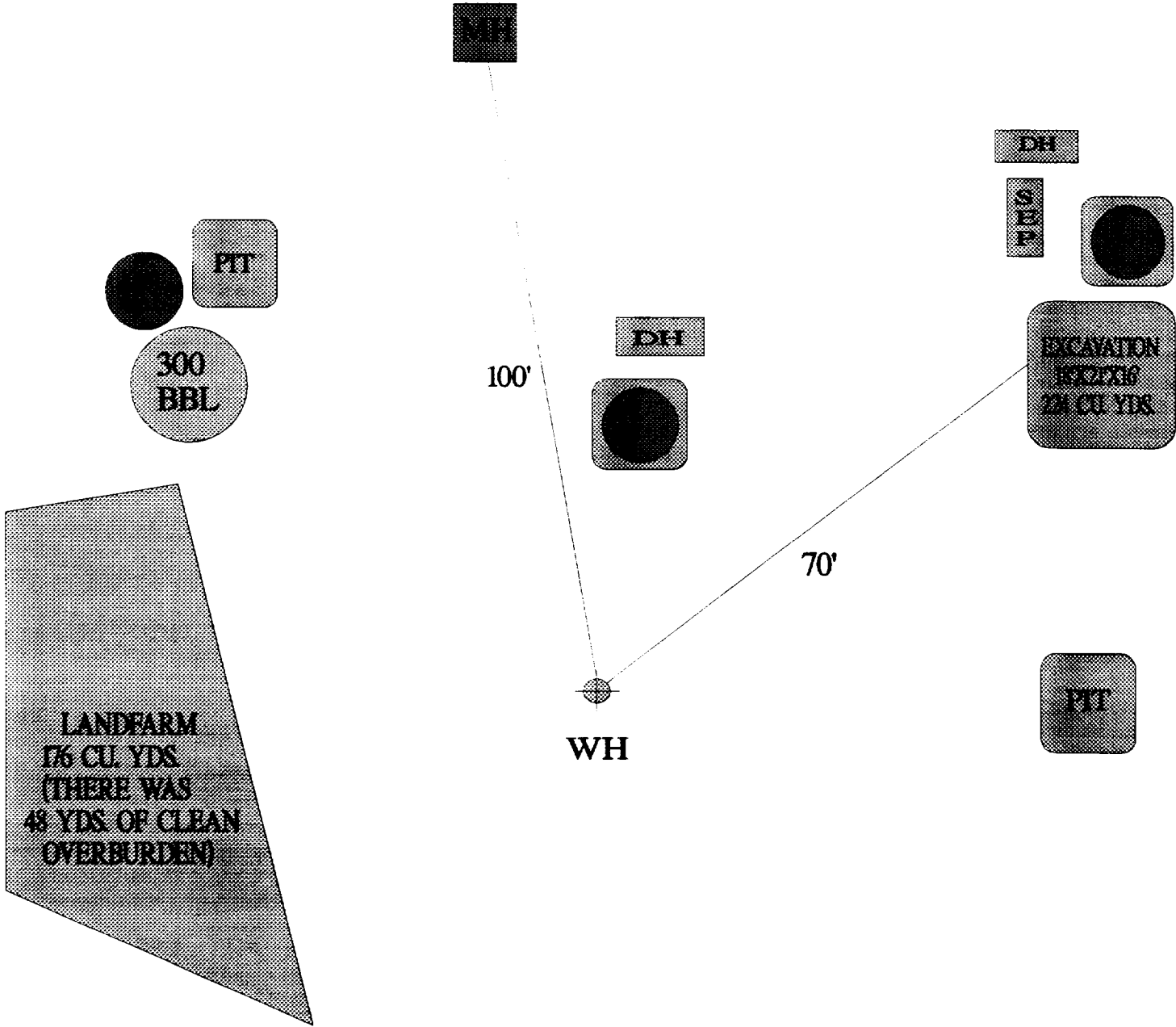
SIGNATURE

*Maureen Gannon*

AND TITLE

Environmental Engineer

N



OFF: (505) 325-8786



LAB: (505) 325-5667

***Diesel Range Organics***

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

Date: *8-Jun-96*  
COC No.: *4693*  
Sample No. *11109*  
Job No. *2-1000*

Project Name: *PNM Gas Services - Nye #13*  
Project Location: *9606061105; 5pt. Composite, 4 Walls & Bottom, 16'*  
Sampled by: *GC* Date: *6-Jun-96* Time: *11:05*  
Analyzed by: *HR* Date: *7-Jun-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.: *0475-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>1,765</i>	<i>1,897</i>	<i>7.5</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>106</i>	<i>105</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: *DeG*

Date: *6/8/96*

P. O. BOX 2606 • FARMINGTON, NM 87499

— TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT —

OFF: (505) 325-8786



LAB: (505) 325-5667

**AROMATIC VOLATILE ORGANICS**

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

Date: *8-Jun-96*  
COC No.: *4693*  
Sample No.: *11109*  
Job No.: *2-1000*

Project Name: *PNM Gas Services - NYE #13*  
Project Location: *9606061105; 5pt. Composite, 4 Walls & Bottom, 16'*  
Sampled by: *GC* Date: *6-Jun-96* Time: *11:05*  
Analyzed by: *DC* Date: *7-Jun-96*  
Sample Matrix: *Soil*

**Laboratory Analysis**

<i>Component</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>1.9</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>3.3</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>38.3</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>8.7</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>TOTAL</i>	<i>52.2</i>	<i>ug/kg</i>		

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

Approved by: *Jack*  
Date: *6/8/96*

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NYE #13  
Meridian  
Sec. 13-30N-11W

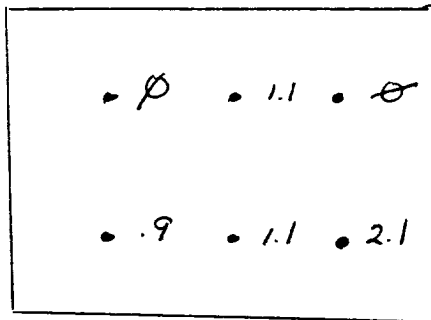
July 24, 1996

Land Farm: On Location  
176 Yards

Composite Sample #: 9607241245

Soil Vapor Head-Space Reading = 20.1 ppm (PID)

Sample depths between 2" and 12"



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: **25-Jul-96**  
COC No.: **4920**  
Sample No. **11586**  
Job No. **2-1000**

Project Name: **PNM Gas Services - Nye #13 Landfarm**  
Project Location: **9607241240; 6pt. Composite, 2"-12" depth**  
Sampled by: **GC** Date: **24-Jul-96** Time: **12:40**  
Analyzed by: **HR** Date: **25-Jul-96**  
Sample Matrix: **Soil**

***Laboratory Analysis***

<b>Parameter</b>	<b>Result</b>	<b>Unit of Measure</b>	<b>Detection Limit</b>	<b>Unit of Measure</b>
<b>Diesel Range Organics (C10 - C28)</b>	<b>11.9</b>	<b>mg/kg</b>	<b>5.0</b>	<b>mg/kg</b>

***Quality Assurance Report***

DRO QC No.: **0479-QC**


***Calibration Check***

<b>Parameter</b>	<b>Method Blank</b>	<b>Unit of Measure</b>	<b>True Value</b>	<b>Analyzed Value</b>	<b>% Diff</b>	<b>Limit</b>
<b>Diesel Range (C10 - C28)</b>	<b>&lt;5.0</b>	<b>ppm</b>	<b>2,000</b>	<b>1,931</b>	<b>3.4</b>	<b>15%</b>

***Matrix Spike***

<b>Parameter</b>	<b>1- Percent Recovered</b>	<b>2 - Percent Recovered</b>	<b>Limit</b>	<b>%RSD</b>	<b>Limit</b>
<b>Diesel Range (C10-C28)</b>	<b>111</b>	<b>121</b>	<b>(70-130)</b>	<b>6</b>	<b>20%</b>

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

Approved by:   
Date: **7/26/96**

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -