

District I  
P.O. Box 440, Farmington, NM 87401  
District II  
P.O. Box 440, Farmington, NM 87401  
District III  
1000 Rio Brazos Rd., Aztec, NM 87411

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

DEPUTY OIL & GAS INSPECTOR

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 ( Meridian ) Telephone: 324-3764  
Address: 603 W. Elm Street Farmington, NM 87401  
Facility or Well Name: Payne #2A  
Location: Unit: 880 FNL/990 FWL Sec. 21 T. 32 N R. 10 W County San Juan  
Pit Type: Separator Dehydrator ☒ Other  
Land Type: BLM ☒ State Fee Other

Pit Location: Pit dimensions: length 20 width 20 depth 3  
(Attach diagram) Reference: wellhead ☒ other  
Footage from reference: 173'  
Direction from reference: 30 Degrees ☐ East North ☐  
☒ 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) 0

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

Wellhead Protection Area: Yes (20 points)  
No (0 points) 0

(Less than 200 feet from a private  
domestic water source, or; less than 1,000  
feet from all other water sources)

Distance to Surface Water: Less than 200 feet (20 points)  
200 feet to 1,000 feet (10 points)  
Greater than 1,000 feet (0 points) 0

(Horizontal distance to perennial lakes,  
ponds, rivers, streams, creeks, irrigation  
canals and ditches)

RANKING SCORE (TOTAL POINTS): 0

<b>Date Remediation Started:</b>	<u>4/8/96</u>	<b>Date Completed:</b>	<u>4/8/96</u>
<b>Remediation Method:</b>	Excavation <u>X</u>	Approx. Cubic Yard	<u>103</u>
(Check all appropriate sections)	Landfarmed <u>X</u>	Amount Landfarmed (cubic yds)	<u>103</u>
	Other _____		
<b>Remediation Location:</b>	Onsite <u>X</u>	Offsite _____	
(i.e., landfarmed onsite, name and location of offsite facility)			
<b>Backfill Material Location:</b> _____			
<b>General Description of Remedial Action:</b>			
Excavated contaminated soil to pit size 20'x20'x7' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerated by plowing/disking.			
_____			
_____			
_____			
_____			
_____			
<b>Ground Water Encountered:</b>	No <u><input checked="" type="checkbox"/></u>	Yes <u><input type="checkbox"/></u>	Depth _____

<b>Final Pit Closure Sampling:</b>	Sample Location	<u>5 pt. composite-4 side walls and center of pit bottom</u>	
(if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample depth	<u>7'</u>	
	Sample date	<u>4/8/96</u>	Sample time <u>11:00:00 AM</u>
	Sample Results		
	Benzene (ppm)	<u>0.0423</u>	
	Total BTEX (ppm)	<u>6.7550</u>	
	Field headspace (ppm)	_____	
	TPH	<u>4694.00</u>	Method <u>8015A</u>
Vertical Extent (ft) _____	Risk Assessment form attached	Yes <u><input type="checkbox"/></u>	No <u><input checked="" type="checkbox"/></u>
<b>Ground Water Sample:</b>	Yes <u><input type="checkbox"/></u>	No <u><input checked="" type="checkbox"/></u>	(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*

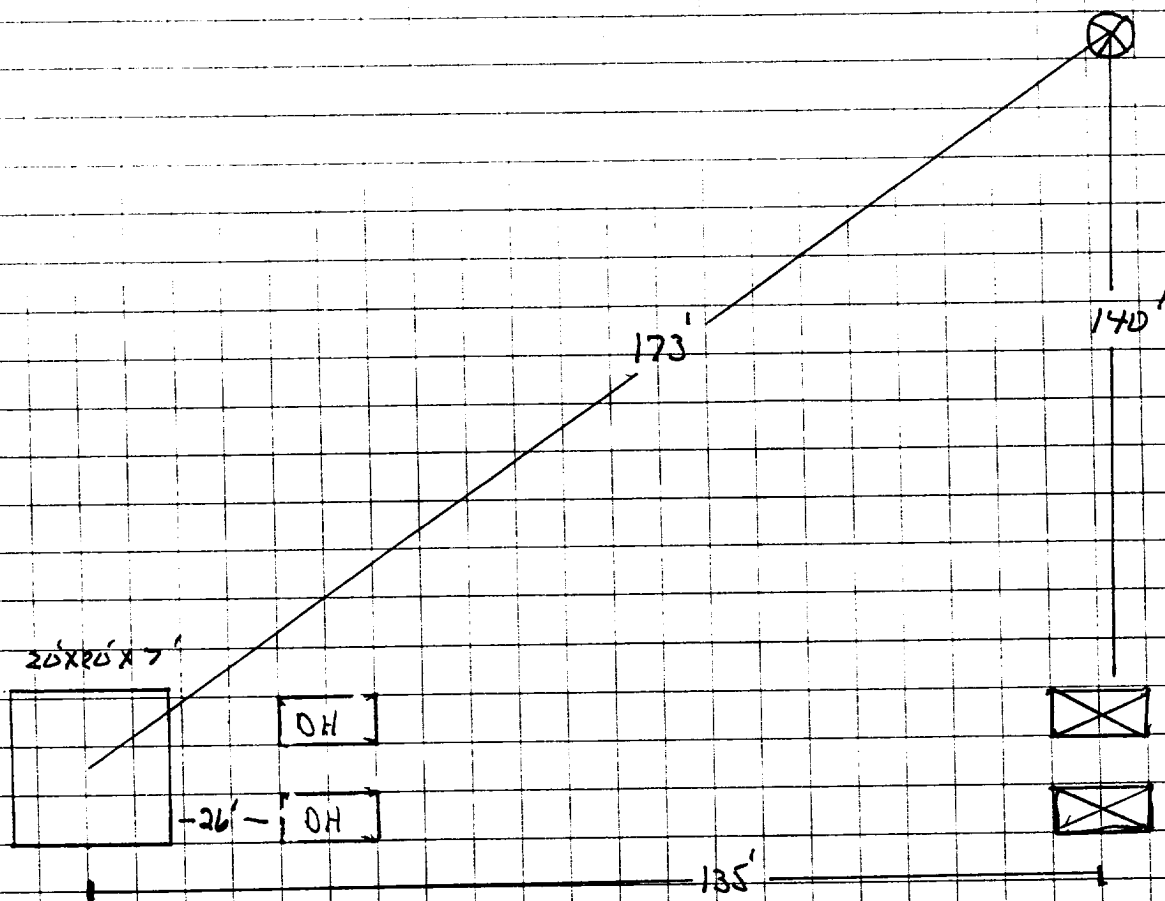
PRINTED NAME  
AND TITLE

Maureen Gannon  
Environmental Engineer

Payne 2A  
Meridian Oil  
Sec. 21, T32N, R10W  
880' FWL + 990' FWL

4-8-96

Run # 10-41



OFF: (505) 325-8786



LAB: (505) 325-5667

**TOTAL PETROLEUM HYDROCARBONS**

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

Date: *9-Apr-96*  
COC No.: *4600*  
Sample No. *10570*  
Job No. *2-1000*

Project Name: *PNM Gas Services - Payne 2A*  
Project Location: *9604081100; 5pt. Composite Sample, 7' deep*  
Sampled by: *GC* Date: *8-Apr-96* Time: *11:00*  
Analyzed by: *HR* Date: *9-Apr-96*  
Type of Sample: *Soil*

**Laboratory Analysis**

<b>Laboratory Identification</b>	<b>Sample Identification</b>	<b>Total Petroleum Hydrocarbons</b>
<i>10570-4600</i>	<i>PNM Gas Services - Payne 2A</i> <i>9604081100; 5pt. Composite Sample, 7' deep</i>	<i>4,694 mg/kg</i>

**Quality Assurance Report**

<b>Laboratory Identification</b>	<b>Analyzed Value</b>	<b>Acceptable Range</b>	<b>Units of Measure</b>
<i>Laboratory Fortified Blank Soil - QCBS2</i>	<i>&lt; 25</i>	<i>&lt; 25</i>	<i>mg/kg</i>
<i>Laboratory Fortified Spike Soil - QCSS1</i>	<i>904</i>	<i>828 - 1024</i>	<i>mg/kg</i>

**Method** - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by: *Ja4*

Date: *4/9/96*

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OFF: (505) 325-8786



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### AROMATIC VOLATILE ORGANICS

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

Date: *9-Apr-96*  
COC No.: *4600*  
Sample No. *10570*  
Job No. *2-1000*

Project Name: *PNM Gas Services - Payne 2A*  
Project Location: *9604081100; 5pt. Composite Sample, 7' deep*  
Sampled by: *GC* Date: *8-Apr-96* Time: *11:00*  
Analyzed by: *HR* Date: *9-Apr-96*  
Type of Sample: *Soil*

#### Aromatic Volatile Organics

Component	Result	Units of Measure	Detection Limit	Units of Measure
<i>Benzene</i>	<i>42.3</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>258.7</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>936.4</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>5314.9</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>202.6</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>TOTAL</i>		<i>6755.0</i>		<i>ug/kg</i>

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

Approved by: *Ja G*

Date: *4/9/96*

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Payne 2A

5-7-96

Meridian Oil

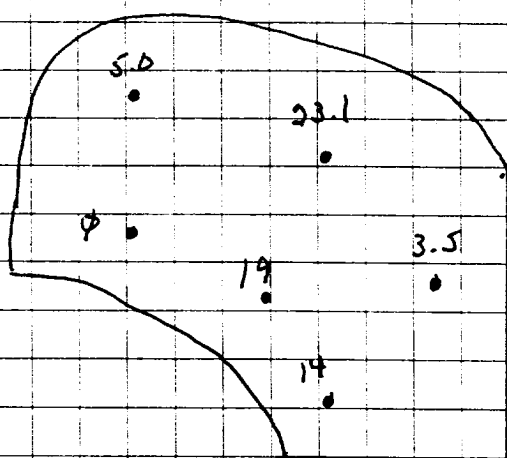
Sec. 21, T32N, R10W

Run # 10-41

Land Farmed On-Location: 103 cubic yards

Composite Sample # 9605070945 (6 points)

Soil Vapor Headspace Reading = 28.9 ppm



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: *9-May-96*  
COC No.: *4639*  
Sample No. *10848*  
Job No. *2-1000*

Project Name: *PNM Gas Services - Payne 2A Land Farm*  
Project Location: *9605080945; 6pt. Composite, 2"-12" deep*  
Sampled by: *GC* Date: *8-May-96* Time: *9:45*  
Analyzed by: *DC* Date: *9-May-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>2410.7</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>2,000</i>	<i>1,820</i>	<i>9.0</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>96</i>	<i>98</i>	<i>(70-130)</i>	<i>2</i>	<i>20%</i>

***Method*** - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas ChromatographyApproved by: *JaG*Date: *5/9/96*

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