

District I  
P.O. Box 1980 Hobbs NM

District II  
P.O. Drawer DD, Artesia, NM 88221

District I  
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

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

**OIL CONSERVATION DIVISION**

2040 South Pacheco Street  
Santa Fe, New Mexico 87505

**JUL 18 1997**

**PIT REMEDIATION AND CLOSURE REPORT**

*Approved*

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

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

**Facility or Well Name:** McClanahan A #3

**Location:** Unit: M Sec. 23 T. 28 N R. 10 W County San Juan

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

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

**Pit Location:** Pit dimensions: length 18 width 18 depth 3

(Attach diagram) Reference: wellhead ☒ other ☐

Footage from reference: 81'

Direction from reference: 41 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)	<u>0</u>

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

**Wellhead Protection Area:**

Yes	(20 points)	
No	(0 points)	<u>0</u>

(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)	<u>0</u>

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

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

**RECEIVED**  
APR 24 1997  
OIL CON. DIV.  
DIST. 3

Date Remediation Started:

10/24/96

Date Completed:

10/25/96

Remediation Method:

Excavation

☒

Approx. Cubic Yard

83

(Check all appropriate sections)

Landfarmed

☒

Amount Landfarmed (cubic yds)

83

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 12'X11'X17' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerated by plowing 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

17'

Sample date

10/24/96

Sample time

1:00:00 PM

Sample Results

Benzene (ppm)

0.0012

Total BTEX (ppm)

0.1457

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, see attached Groundwater Site Summary Report)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

DATE

April 28, 1997

SIGNATURE

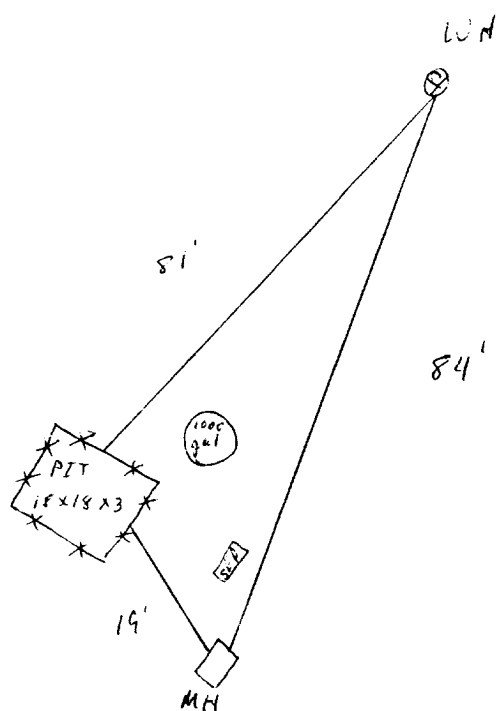
PRINTED NAME  
AND TITLEDenver Bearden  
Administrator III

M<sup>c</sup>Clanahan A #5

41° w of S

81' from WTI

↑  
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: *28-Oct-96*  
 COC No.: *5128*  
 Sample No. *12693*  
 Job No. *2-1000*

Project Name: *PNM Gas Services - McClanahan A #3*  
 Project Location: *9610241300; Pit Excavation Composite Sample*  
 Sampled by: *RH* Date: *24-Oct-96* Time: *13:00*  
 Analyzed by: *DC/HR* Date: *28-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>101</i>	<i>0.5</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>114</i>	<i>104</i>	<i>(70-130)</i>	<i>6</i>	<i>20%</i>

**Method** - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas ChromatographyApproved by: Date: *10/28/96*

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: 28-Oct-96  
COC No.: 5128  
Sample No.: 12693  
Job No.: 2-1000

Project Name: *PNM Gas Services - McClanahan A #3*  
Project Location: *9610241300; Pit Excavation Composite Sample*  
Sampled by: RH Date: 24-Oct-96 Time: 13:00  
Analyzed by: DC Date: 28-Oct-96  
Sample Matrix: *Soil*

#### Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
<i>Benzene</i>	1.2	ug/kg	0.2	ug/kg
<i>Toluene</i>	3.0	ug/kg	0.2	ug/kg
<i>Ethylbenzene</i>	23.6	ug/kg	0.2	ug/kg
<i>m,p-Xylene</i>	95.9	ug/kg	0.2	ug/kg
<i>o-Xylene</i>	21.9	ug/kg	0.2	ug/kg
	<b>TOTAL</b>	145.7		ug/kg

**Method** - SW-846 EPA Method 8200 Aromatic Volatile Organics by Gas Chromatography

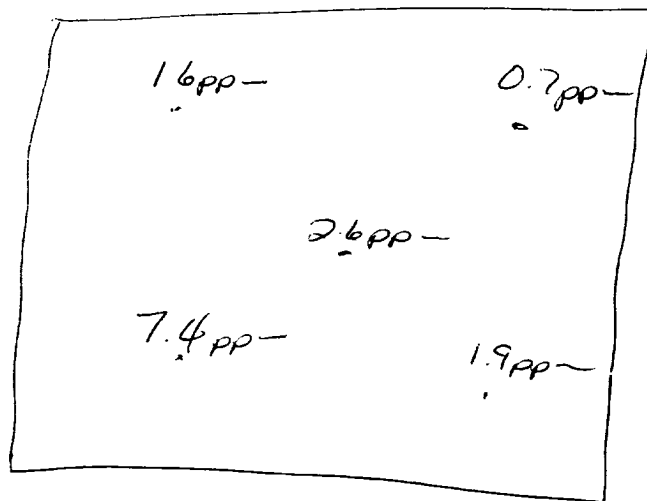
Approved by:   
Date: 10/28/96

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

McClellan A-3  
Sec 23 T28N R10W  
meridian

Land Farm on Location 176 cu yds.  
Composite Sample # 9612201047  
Soil Vapor Head space Reading - 87.9 ppb - PID <sup>RAD<sub>1-20-96</sub></sup>



Sample Depths  
Between 2' & 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: *24-Dec-96*  
 COC No.: *5376*  
 Sample No. *13223*  
 Job No. *2-1000*

Project Name: ***PNM Gas Services - McClanahan A-3 Landfarm Run 11-51***  
 Project Location: ***9612201047; 5pt. Composite***  
 Sampled by: *RD* Date: *20-Dec-96* Time: *10:47*  
 Analyzed by: *DC/HR* Date: *23-Dec-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>17.8</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>92</i>	<i>8.2</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>123</i>	<i>106</i>	<i>(70-130)</i>	<i>11</i>	<i>20%</i>

***Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography***Approved by: Date: *12/24/96*