

District I  
P.O. Box 1980, Hobbs, NM 88240

District II  
Drawer DD, Lordsburg, NM 88000

District III  
1000 Rio Brazos Rd, Aztec, NM 87412  
001 2 8 1997

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

**PIT REMEDIATION AND CLOSURE REPORT**

*Approved*

Operator: PNM Gas Services (Williams) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Breech B #281 Drip

Location: Unit L Sec 14 T 26 N R 7 W County Rio Arriba

Pit Type: Separator    Dehydrator    Other Drip

Land Type: BLM ☒ State    Fee    Other   

Pit Location: Pit dimensions: length 20 width 20 depth 3

(Attach diagram) Reference: wellhead ☒ other   

Footage from reference: 720'

Direction from reference: 80 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>20</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): 20

RECEIVED  
JUL 31 1997  
OIL CON. DIV.  
DIST. 3

Breach B #281 Drip

Date Remediation Started: 6/11/97

Date Completed: 6/11/97

Remediation Method: Excavation ☒ Approx. Cubic Yard 20

(Check all appropriate sections) Landfarmed ☒ Amount Landfarmed (cubic yds) 20

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 8' x 8' x 8' 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 6' and 8'

Sample date 6/11/97 Sample time 9:30:00 AM

Sample Results

Benzene (ppm) 0.0000

Total BTEX (ppm) 0.0140

Field headspace (ppm)

TPH 0.00 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 July 28, 1997

SIGNATURE

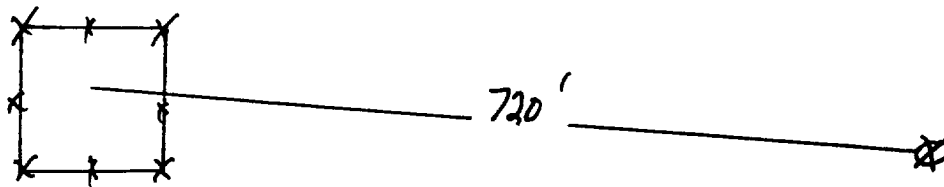
PRINTED NAME AND TITLE Denver Bearden  
Administrator III

Breach # B-281 Dr: p  
Williams Field Service  
Sec. 14, 26 N, 7 W, L

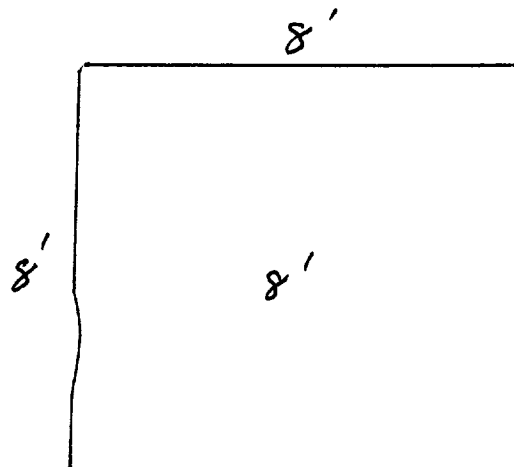
6-11-97

Start of excavation:

pipeline right-of-way



End of excavation:



OFF: (505) 325-5667



LAB: (505) 325-1556

### ANALYTICAL REPORT

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

Date: *18-Jun-97*  
COC No.: *5904*  
Sample No.: *14901*  
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breach B #281 Drip*  
Project Location: *9706110930; 4 Walls @ 6' & Bottom @ 8'*  
Sampled by: *GC* Date: *11-Jun-97* Time: *9:30*  
Analyzed by: *DC/HR* Date: *17-Jun-97*  
Sample Matrix: *Soil*

#### Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	ND	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

#### Quality Assurance Report

DRO QC No.: 0548-STD

#### Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	ND	ppm	200	197	1.7	15%

#### Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	86	104	(70-130)	10	20%

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

Approved by: *[Signature]*

Date: *6/18/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

### ANALYTICAL REPORT

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

Date: *17-Jun-97*  
COC No.: *5904*  
Sample No.: *14901*  
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech B #281 Drip*  
Project Location: *9706110930; 4 Walls @ 6' & Bottom @ 8'*  
Sampled by: GC Date: *11-Jun-97* Time: *9:30*  
Analyzed by: HR Date: *16-Jun-97*  
Sample Matrix: *Soil*

#### Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	1	ug/kg
<i>Toluene</i>	ND	ug/kg	1	ug/kg
<i>Ethylbenzene</i>	4	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	6	ug/kg	1	ug/kg
<i>o-Xylene</i>	4	ug/kg	1	ug/kg
	<i>TOTAL</i>	14		ug/kg

ND - Not Detected at Limit of Quantitation

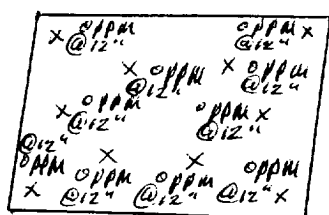
**Method** - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved by: *[Signature]*  
Date: *6/17/97*

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↑  
L'



See attached lab results for BTEX.

Brush B 281 Grip

6-30-97

@1115

OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

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

Date: *8-Jul-97*  
COC No.: *5183*  
Sample No.: *15150*  
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech B 281 Drip Landfarm*  
Project Location: *9706301115; 10pt. Composite*  
Sampled by: *RH* Date: *30-Jun-97* Time: *11:15*  
Analyzed by: *DC/HR* Date: *7-Jul-97*  
Sample Matrix: *Soil*

### Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	<i>253</i>	<i>mg/kg</i>	<i>5</i>	<i>mg/kg</i>

ND - Not Detected at Limit of Quantitation

### Quality Assurance Report

DRO QC No.: 0548-STD

#### Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	<i>ND</i>	<i>ppm</i>	<i>200</i>	<i>190</i>	<i>5.1</i>	<i>15%</i>

#### Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>84</i>	<i>89</i>	<i>(70-130)</i>	<i>5</i>	<i>20%</i>

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

Approved by: *[Signature]*  
Date: *7/8/97*

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OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

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

Date: *3-Jul-97*  
COC No.: *5183*  
Sample No.: *15150*  
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breach B 281 Drip Landfarm*

Project Location: *9706301115; 10pt. Composite*

Sampled by: *RH* Date: *30-Jun-97* Time: *11:15*

Analyzed by: *DC* Date: *1-Jul-97*

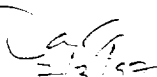
Sample Matrix: *Soil*

### Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	<i>3</i>	<i>ug/kg</i>	<i>1</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>7</i>	<i>ug/kg</i>	<i>1</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>ND</i>	<i>ug/kg</i>	<i>1</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>3</i>	<i>ug/kg</i>	<i>1</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>1</i>	<i>ug/kg</i>	<i>1</i>	<i>ug/kg</i>
<i>TOTAL</i>	<i>13</i>	<i>ug/kg</i>		

ND - Not Detected at Limit of Quantitation

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

Approved by:   
Date: *7/3/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

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