

District I  
P.O. Box 1980 Hobbs, NM  
District II  
P.O. Drawer DD, Artesia, NM 88221  
District III  
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

OIL CONSERVATION DIVISION

2040 South Pacheco Street  
Santa Fe, New Mexico 87505

**PIT REMEDIATION AND CLOSURE REPORT**

Operator: PNM Gas Services (Caulkins) Telephone: 324-3764  
Address: 603 W. Elm Street Farmington, NM 87401  
Facility or Well Name: Breach A #129  
Location: Unit D Sec 9 T 26 N R 6 W County Rio Arriba  
Pit Type: Separator ☒ Dehydrator ☐ Other Drip  
Land Type: BLM ☒ State ☐ Fee ☐ Other No

Pit Location: Pit dimensions: length 10 width 10 depth 13  
(Attach diagram) Reference: wellhead ☒ other ☐  
Footage from reference: 60'  
Direction from reference: 90 Degrees ☒ East ☐ North ☒  
West of 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:

(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

Breach A #129

Date Remediation Started: 8/6/97

Date Completed: 8/6/97

Remediation Method: Excavation ☒

Approx. Cubic Yard 54

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 54

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 a pit size of 12' X 12' X 10' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerated by disking/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

9' walls and 10' bottom.

Sample date

8/6/97

Sample time

2:30:00 PM

Sample Results

Benzene (ppm) < 0.0050

Total BTEX (ppm) 2.8510

Field headspace (ppm)

TPH (ppm)

74.00

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 October 27, 1997

SIGNATURE



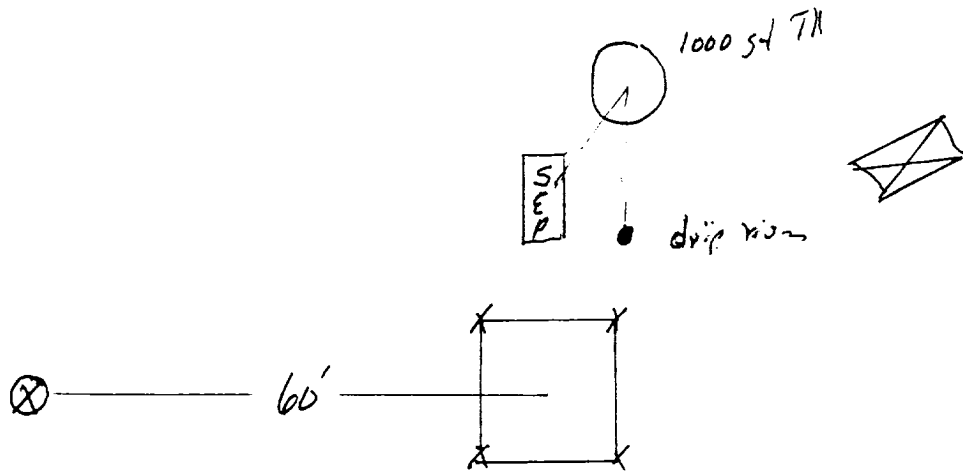
PRINTED NAME  
AND TITLE

Denver Bearden  
Administrator III

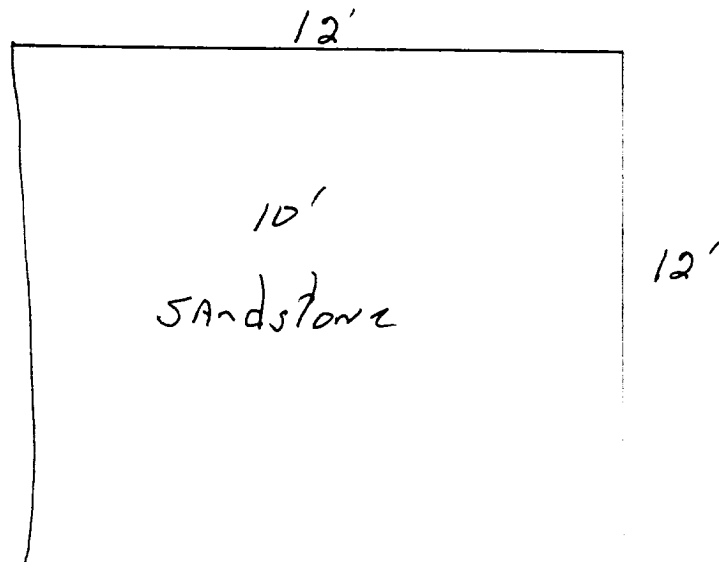
Breach A# 129  
Cankins O:1  
Sec. 9, 26N, 6W, 0

8-6-97

start of excavation:



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: *16-Aug-97*  
COC No.: *5934*  
Sample No.: *15669*  
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech A #129*  
Project Location: *9708061430; Composite, 4 Walls @ 9' and Bottom @ 10'*  
Sampled by: *GC* Date: *6-Aug-97* Time: *14:30*  
Analyzed by: *HR/DC* Date: *14-Aug-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>74</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>213</i>	<i>6.3</i>	<i>15%</i>

### *Matrix Spike*

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>82</i>	<i>88</i>	<i>(70-130)</i>	<i>7</i>	<i>20%</i>

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

Approved by:

Date:

*[Signature]*  
*8/16/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- FOCUSING ON BLENDING INDUSTRIES WITH THE FUTURE IN MIND -

## ANALYTICAL REPORT

Date: 15-Aug-97  
COC No.: 5934  
Sample No.: 15669  
Job No.: 2-1000


Project Name: ***PNM Gas Services - Breech A #129***  
Project Location: ***9708061430; Composite, 4 Walls @ 9' and Bottom @ 10'***  
Sampled by: GC Date: 6-Aug-97 Time: 14:30  
Analyzed by: DC Date: 12-Aug-97  
Sample Matrix: *Soil*

### Laboratory Analysis

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		ND	ug/kg	5	ug/kg
Toluene		ND	ug/kg	5	ug/kg
Ethylbenzene		289	ug/kg	5	ug/kg
m,p-Xylene		1139	ug/kg	5	ug/kg
o-Xylene		1423	ug/kg	5	ug/kg
	TOTAL	2851	ug/kg		

ND - Not Detected at Limit of Quantitation

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

Approved by:   
Date: 8/15/97

↑  
N

8-21-97 - 1315

Borech A #129

Caulkins

(D) 9-26N-6W

Rio Arriba Co.

Land term Field Head Spase - 8 1/2"



2" - 10"

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: *25-Aug-97*  
COC No.: *5217*  
Sample No.: *15869*  
Job No.: *2-1000*

Project Name: ***PNM Gas Services - Breech A #129 Landfarm***  
Project Location: ***9708211315; Composite Sample***  
Sampled by: *RH* Date: *21-Aug-97* Time: *13:15*  
Analyzed by: *HR/DC* Date: *22-Aug-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>	8	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	201	0.5	15%

#### *Matrix Spike*

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	83	80	(70-130)	4	20%

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

Approved by: *[Signature]*  
Date: *8/25/97*

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*- The above information is provided for informational purposes only.*