

*Denny E. Frost*  
DEPUTY OIL & GAS INSPECTOR

District II  
P.O. Box 1980, Hobbs, NM 88241  
JUN 28 1998

District III  
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Street  
Santa Fe, New Mexico 87505

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

*Approved*  
**PIT REMEDIATION AND CLOSURE REPORT**

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

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Breech F #11 Drip

Location: Unit B Sec 35 T 27 N R 6 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 ☒ Drip

Footage from reference: 18'

Direction from reference: 30 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) 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) 10

(Horizontal distance to perennial lakes, rivers, or streams)

RANKING SCORE (TOTAL POINTS): 10

RECEIVED  
FEB - 3 1998  
OIL CON. DIV.  
DIST. 3

U-610224  
as - 10

2001 2100 2100  
2100

Breach F #11 Drip

Date Remediation Started: 9/29/97

Date Completed: 9/29/97

Remediation Method: Excavation ☒

Approx. Cubic Yard 106

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 106

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 20' X 18' X 8' 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 4' walls and 8' bottom.

Sample date 9/29/97

Sample time 2:00:00 PM

**Sample Results**

Benzene (ppm) < 0.0500

Total BTEX (ppm) 2.3990

Field headspace (ppm) \_\_\_\_\_

TPH (ppm) < 5.00

Method 8015a

Vertical Extent (ft) \_\_\_\_\_

Risk Assessment form attached Yes ☐ No ☐

Ground Water Sample:

Yes

No

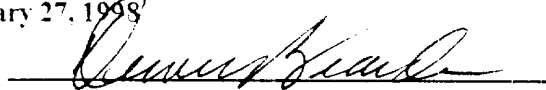


(If yes, see attached Groundwater Site Summary Report)

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

DATE January 27, 1998

SIGNATURE



PRINTED NAME AND TITLE Denver Bearden  
Administrator III

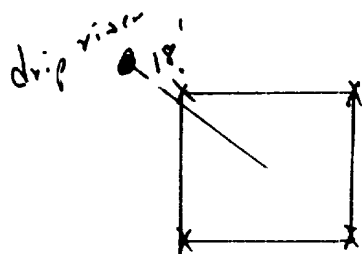
Breach F#11 Drip

9/29/97

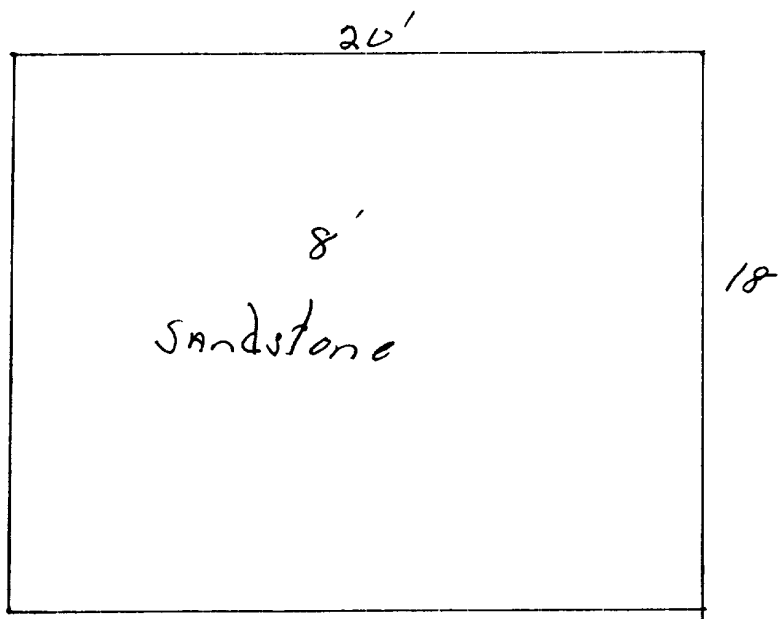
WFS

Sec. 35, 27N, 6W, 13

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: *7-Oct-97*  
COC No.: *5812*  
Sample No.: *16446*  
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech F #11 Drip*  
Project Location: *9709291400; Composite, Walls @ 4' and Bottom @ 8'*  
Sampled by: *GC* Date: *29-Sep-97* Time: *14:00*  
Analyzed by: *DC/HR* Date: *3-Oct-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.: 0555-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	212	6.0	15%

#### Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	85	99	(70-130)	14	20%

Method - SW-846 EPA Method 8151 modified - N-methylpyrrolidone (NMP) Extractable Polynuclear Aromatic Hydrocarbons

Approved by: *[Signature]*  
Date: *10/7/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

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: *6-Oct-97*  
COC No.: *5812*  
Sample No.: *16446*  
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech F #11 Drip*  
Project Location: *9709291400; Composite, Walls @ 4' and Bottom @ 8'*  
Sampled by: *GC* Date: *29-Sep-97* Time: *14:00*  
Analyzed by: *DC* Date: *3-Oct-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	50	ug/kg
<i>Toluene</i>	127	ug/kg	50	ug/kg
<i>Ethylbenzene</i>	ND	ug/kg	50	ug/kg
<i>m,p-Xylene</i>	1869	ug/kg	50	ug/kg
<i>o-Xylene</i>	402	ug/kg	50	ug/kg
	<i>TOTAL</i>	2399	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: *10/1/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

10-13-97 @ 1245  
Breech F 11 Drup  
Coulkins

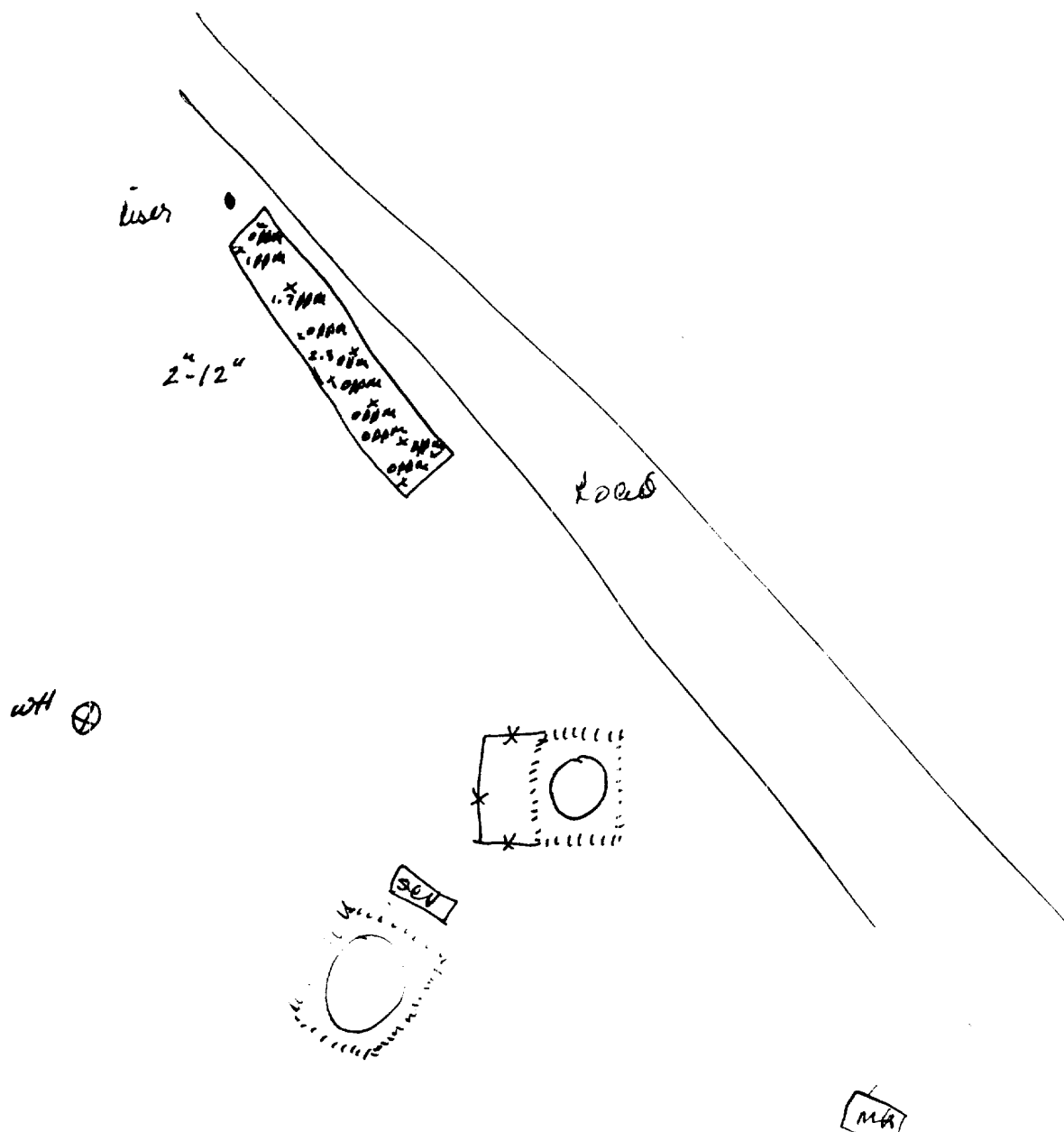
(0) 35-27N-6W

Rio Arriba

sample # 9710131245

Lonehorn field headspace: 1.2 ppm

A  
N



Approved by:

Date:

10/17/97

P.O. BOX 2606 • FARMINGTON, NM 87499

10-13-97 @ 1245  
Beech F 11 Drift  
Caulkins

(B) 35-27N-6W

rio Arriba

sample # 9710131245

Lone Star field headspace: 1.2 ppm

N

