

*Denny E. Faust*  
District I  
P.O. Box 1001, Farmington, NM  
**DEPUTY OIL & GAS INSPECTOR**  
District II  
P.O. Drawer DD, Aztec, NM 88021  
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

**FEB 26 1998**

**PIT REMEDIATION AND CLOSURE REPORT**

<b>Operator:</b> PNM Gas Services (Caulkins)		<b>Telephone:</b> 324-3764	
<b>Address:</b> 603 W. Elm Street Farmington, NM 87401			
<b>Facility or Well Name:</b> Breech C #248			
<b>Location:</b>	Unit <u>A</u>	Sec <u>13</u>	T <u>26 N</u> R <u>6 W</u> County <u>Rio Arriba</u>
<b>Pit Type:</b>	Separator <input type="checkbox"/>	Dehydrator <input checked="" type="checkbox"/>	Other <input type="checkbox"/>
<b>Land Type:</b>	BLM <input checked="" type="checkbox"/>	State <input type="checkbox"/>	Fee <input type="checkbox"/> Other <input type="checkbox"/> No <input type="checkbox"/>
<b>Pit Location:</b>	Pit dimensions: length <u>20</u> width <u>20</u> depth <u>3</u>		
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other <input type="checkbox"/>		
	Footage from reference: <u>153'</u>		
	Direction from reference: <u>80</u> Degrees <input type="checkbox"/> East <input type="checkbox"/> North <input type="checkbox"/> of <input checked="" type="checkbox"/> West <input checked="" type="checkbox"/> South <input type="checkbox"/>		
<b>Depth to Ground Water:</b>	Less than 50 feet 50 feet to 99 feet Greater than 100 feet		(20 points) (10 points) (0 points) <u>0</u>
<small>(Vertical distance from contaminants to seasonal high water elevation of ground water)</small>			
<b>Wellhead Protection Area:</b>	Yes No		(20 points) (0 points) <u>0</u>
<small>(Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources)</small>			
<b>Distance to Surface Water:</b>	Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet		(20 points) (10 points) (0 points) <u>0</u>
<small>(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)</small>			
<b>RANKING SCORE (TOTAL POINTS):</b>			<u>0</u>

**RECEIVED**  
NOV - 3 1997  
**OIL CON. DIV.**  
DIST. 3

Date Remediation Started: 9/2/97 Date Completed: 9/2/97Remediation Method: Excavation x Approx. Cubic Yard 148

(Check all appropriate sections)

Landfarmed x Amount Landfarmed (cubic yds) 148

Other \_\_\_\_\_

Remediation Location: Onsite X 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 20' 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 7' walls and 10' bottom.Sample date 9/2/97 Sample time 2:00:00 PM

## Sample Results

Benzene (ppm) 0.1070Total BTEX (ppm) 17.2280

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

TPH (ppm) 83.00 Method 8015AVertical 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 Denver Bearden  
AND TITLE Administrator III

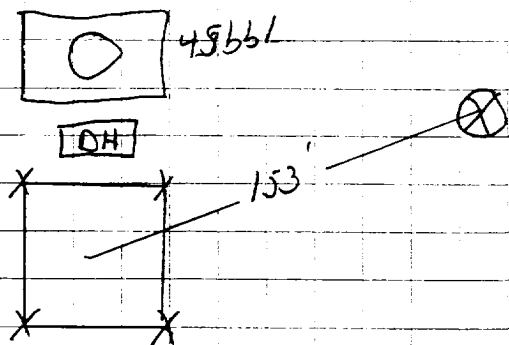
Breach C # 248

9/2/97

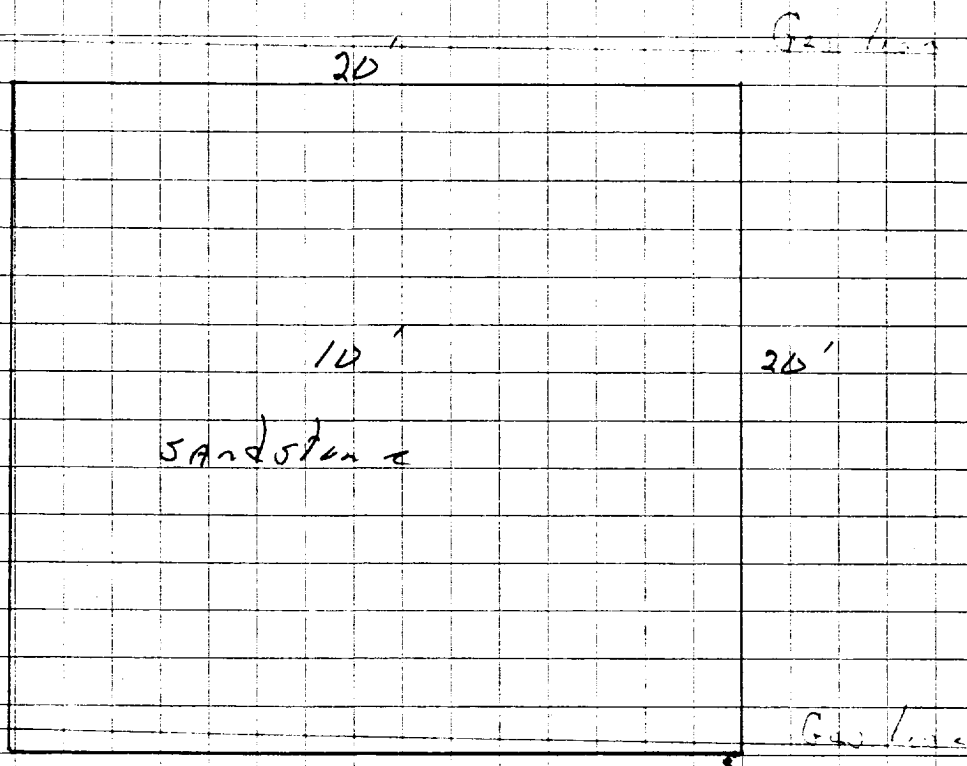
Can/Kins B:1

Sec 13, 24N, 6W, A

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: *9-Sep-97*  
COC No.: *5996*  
Sample No.: *16021*  
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech C #248*  
Project Location: *9709021400; Composite, 4 Walls @ 7' and Bottom @ 10'*  
Sampled by: *GC* Date: *2-Sep-97* Time: *14:00*  
Analyzed by: *DC/HR* Date: *5-Sep-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>	83	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

#### Quality Assurance Report

DRO QC No.: 0555-STD

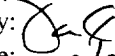
#### Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	ND	ppm	200	214	6.9	15%

#### Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	78	85	(70-130)	8	20%

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

Approved by:   
Date: *9/9/97*

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: *8-Sep-97*  
COC No.: *5996*  
Sample No.: *16021*  
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech C #248*  
Project Location: *9709021400; Composite, Walls @ 7' and Bottom @ 10'*  
Sampled by: *GC* Date: *2-Sep-97* Time: *14:00*  
Analyzed by: *DC* Date: *4-Sep-97*  
Sample Matrix: *Soil*

#### Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	107	ug/kg	100	ug/kg
<i>Toluene</i>	624	ug/kg	100	ug/kg
<i>Ethylbenzene</i>	1263	ug/kg	100	ug/kg
<i>m,p-Xylene</i>	13162	ug/kg	100	ug/kg
<i>o-Xylene</i>	2071	ug/kg	100	ug/kg
	<i>TOTAL</i>	17228	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: *9/8/97*

9-11-47 - @0900

↑  
N

Beech #248

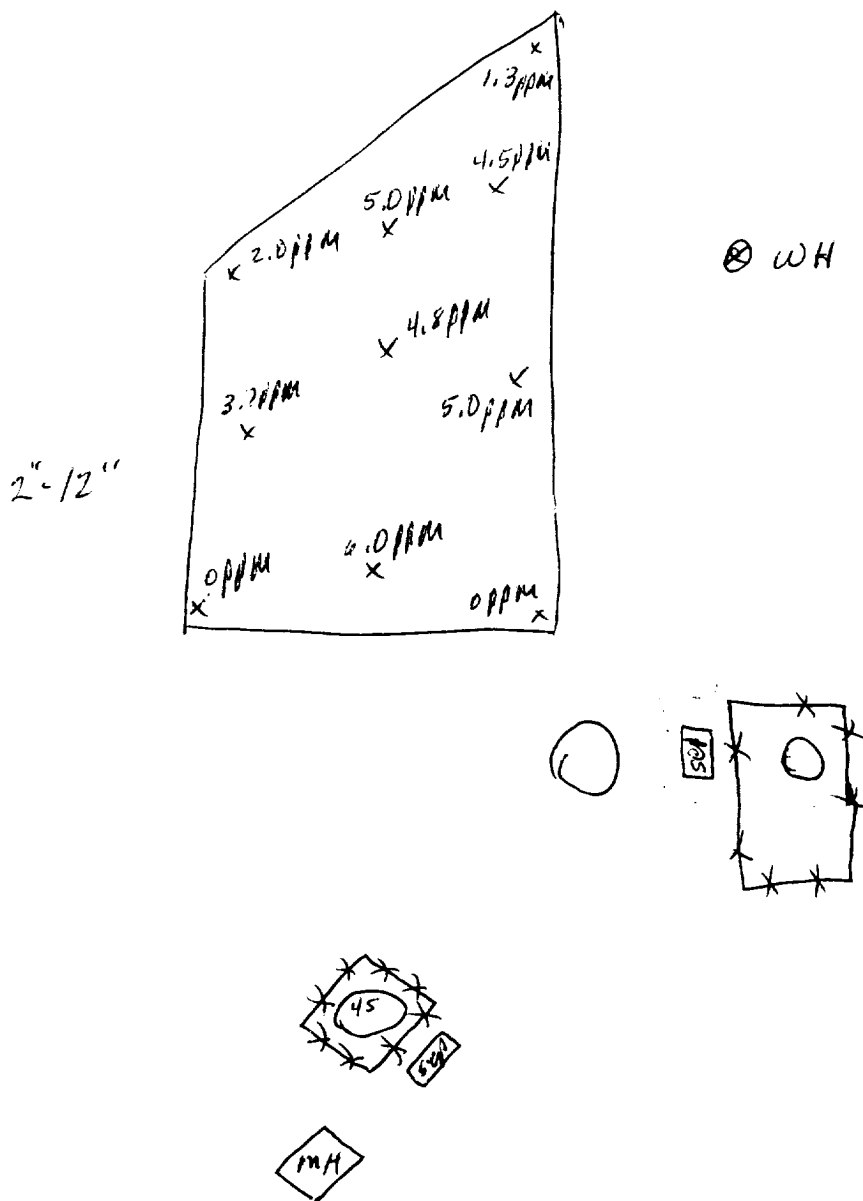
(A) 13-26N-BW

Caulkins

Lio Arriba

Sample # 9709110900

Land farm field head space - 7.0 ppm



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-Sep-97*  
COC No.: *5671*  
Sample No.: *16128*  
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech #248 Landfarm*  
Project Location: *9709110900; Composite*  
Sampled by: *RH* Date: *11-Sep-97* Time: *9:00*  
Analyzed by: *DC/HR* Date: *15-Sep-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>	25	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	197	1.5	15%

### *Matrix Spike*

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	100	94	(70-130)	6	20%

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

Approved by: *[Signature]*

Date: *9/16/97*

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