

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

Denny E. Frost
DEPUTY OIL & GAS INSPECTOR

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

JUN 23 1998

PIT REMEDIATION AND CLOSURE REPORT

Approved

Operators: <u>PNM Gas Services (Caulkins)</u>		Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>			
Facility or Well Name: <u>Breach F #8</u>			
Location:	Unit <u>B</u>	Sec <u>34</u>	T <u>27 N</u> R <u>6 W</u> County <u>Rio Arriba</u>
Pit Type:	Separator <u> </u>	Dehydrator <input checked="" type="checkbox"/>	Other <u> </u>
Land Type:	BLM <input checked="" type="checkbox"/>	State <u> </u>	Fee <u> </u> Other <u> </u>
Pit Location:	Pit dimensions: length <u>20</u> width <u>20</u> depth <u>3</u>		
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other <u> </u>		
	Footage from reference: <u>52'</u>		
	Direction from reference: <u>10</u> Degrees <input checked="" type="checkbox"/> East <u> </u> North <u> </u>		
	<u> </u> West <u> </u> South <input checked="" type="checkbox"/>		
Depth to Ground Water:	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>			
Wellhead Protection Area:	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>			
Distance to Surface Water:	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>(Minimum distance to perennial/intermittent water source)</small>			
RANKING SCORE (TOTAL POINTS):			<u>0</u>

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DIST. 3

Date Remediation Started: 9/17/97 Date Completed: 9/17/97

Remediation Method: Excavation ☒ Approx. Cubic Yard 113
(Check all appropriate sections) Landfarmed ☒ Amount Landfarmed (cubic yds) 113
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 17' x 15' x 12' 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 12'

Sample date 9/17/97 Sample time 1:15:00 PM

Sample Results

Benzene (ppm) < 0.0050

Total BTEX (ppm) 7.9650

Field headspace (ppm) _____

TPH (ppm) 183.00 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

9-17-97 @ 1020

Breach F#8

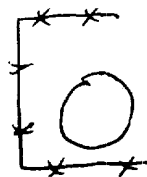
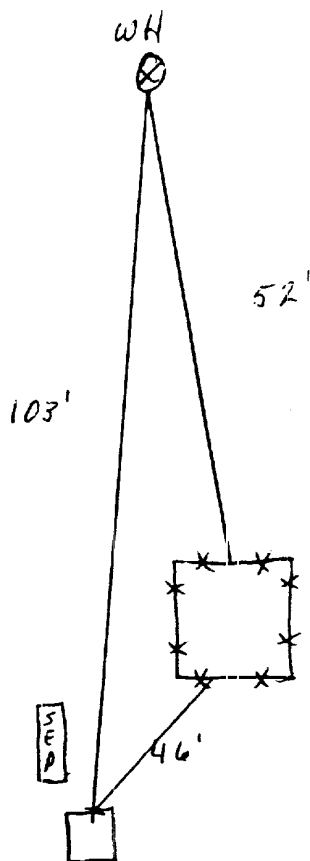
Caulkins

(B) 34-27N-6W

Rio Arriba

10° E of S

52' from W.H.



Project Name: ***PNM Gas Services - Breech F #8***
Project Location: ***9709171315; Excavation Composite***
Sampled by: RH Date:
Analyzed by: DC/HR Date:
Sample Matrix: *Soil*

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: *29-Sep-97*
COC No.: *5673*
Sample No.: *16225*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech F #8*
Project Location: *9709171315; Excavation Composite*
Sampled by: *RH* Date: *17-Sep-97* Time: *13:15*
Analyzed by: *DC* Date: *22-Sep-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>	652	ug/kg	50	ug/kg
<i>Ethylbenzene</i>	454	ug/kg	50	ug/kg
<i>m,p-Xylene</i>	5858	ug/kg	50	ug/kg
<i>o-Xylene</i>	991	ug/kg	50	ug/kg
	<i>TOTAL</i>	7965	ug/kg	

ND - Not Detected at Limit of Quantitation

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

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↑
N

10-1-47 @ 0945

breach F #8

(A) 34-27N-6W

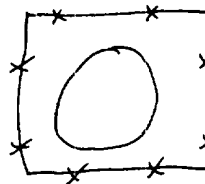
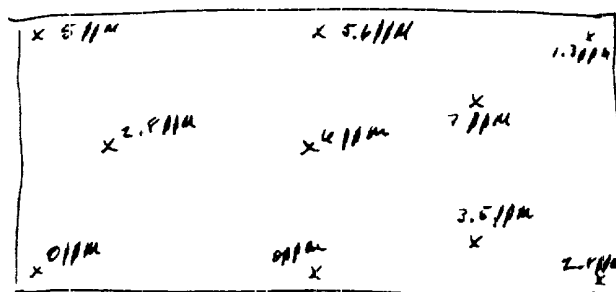
Caulkins

Rio Arriba

Sample # 9710010945

field head space: 8.8 ppm

2"-12"



⊗ WH

SEP



D

M

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.: *5676*
Sample No.: *16469*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Bræech F #8*
Project Location: *9710010945; Composite (Land Farm)*
Sampled by: *RH* Date: *1-Oct-97* Time: *9:45*
Analyzed by: *DC/HR* Date: *2-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>	<i>244</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.: 0555-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>188</i>	<i>6.4</i>	<i>15%</i>

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>91</i>	<i>89</i>	<i>(70-130)</i>	<i>2</i>	<i>20%</i>

*Method: EPA 821-1 (GC/MS) for Diesel Range Organics (C10-C28) in Soil

Approved by: *[Signature]*
Date: *10/6/97*

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