

Denny E. Frost

District I
P.O. Box 1980 Hobbs, NM

DEPUTY OIL & GAS INSPECTOR

District II
P.O. Drawer DD, Artesia, NM 88221

FEB 26 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

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 E #87

Location: Unit J Sec 4 T 26 N R 6 W County Rio Arriba

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: BLM ☒ State ☐ Fee ☐ Other ☐ No ☐

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

(Attach diagram) Reference: wellhead ☒ other ☐

Footage from reference: 60'

Direction from reference: 45 Degrees ☒ East ☐ North ☒
of
☐ West ☐ South ☐

Depth to Ground Water:

(Vertical distance from contaminants to
seasonal high water elevation of ground
water)

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 points)

0

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
No

(20 points)
(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 E #87

Date Remediation Started: 7/24/97 Date Completed: 7/24/97Remediation Method: Excavation X Approx. Cubic Yard 38

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds) 38

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 16' X 16' X 4' 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 3' walls and 4' bottom.Sample date 7/24/97 Sample time 3:00:00 PM

Sample Results

Benzene (ppm) < 0.0010Total BTEX (ppm) 0.0020

Field headspace (ppm) _____

TPH (ppm) < 5.00 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

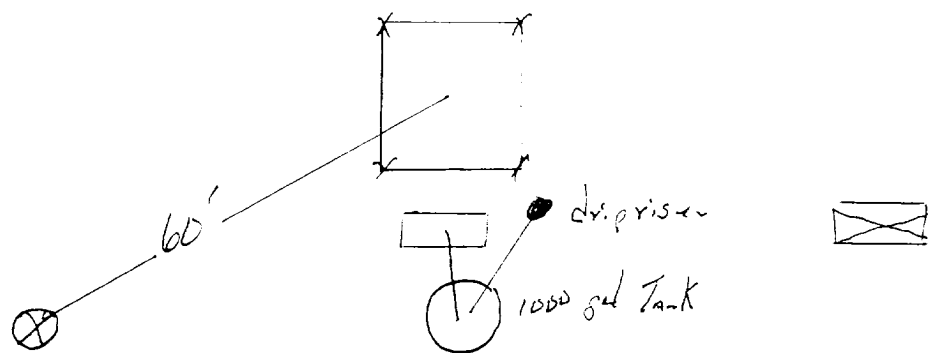
Breach E #87

7-24-97

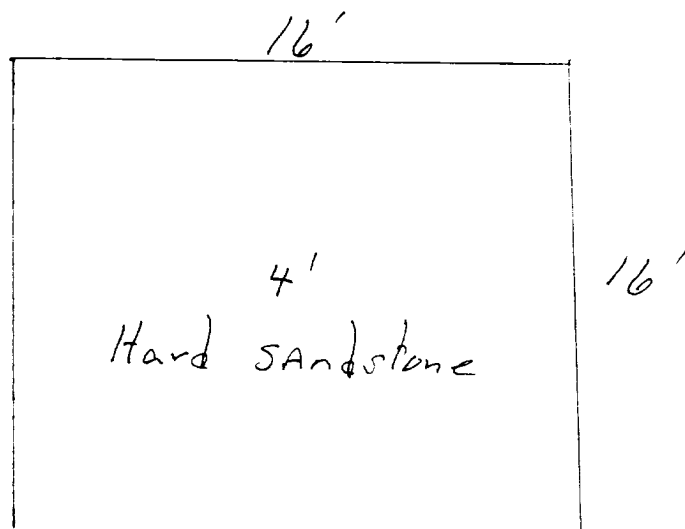
Caulkins Oil

Sec. 4, 26N, 6W, J

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: *4-Aug-97*
COC No.: *5946*
Sample No.: *15483*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech E #87*
Project Location: *9707241500; Composite, 4 Walls @ 3' and Bottom @ 4'*
Sampled by: *GC* Date: *24-Jul-97* Time: *15:00*
Analyzed by: *HR/DC* Date: *31-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>	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	192	4.3	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	86	88	(70-130)	3	20%

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

Approved by: *[Signature]*
Date: *8/4/97*

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- Farmington, Broomfield Industries, Inc. -

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: *31-Jul-97*
COC No.: *5946*
Sample No.: *15483*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech E #87*
Project Location: *9707241500; Composite, 4 Walls @ 3' and Bottom @ 4'*
Sampled by: *GC* Date: *24-Jul-97* Time: *15:00*
Analyzed by: *HR* Date: *30-Jul-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>	ND	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	2	ug/kg	1	ug/kg
<i>o-Xylene</i>	ND	ug/kg	1	ug/kg
	<i>TOTAL</i>	2		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: *7/31/97*

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- Farmington, NM 87499 -

↑
N

8-21-97-Q 1125

Breach E #87

Caulkins

(J) 4-26N-6W

Rio Arriba Co.

Lowd Farm Field Head Space 8 ppm

MH

5
9

1000

X OPPM OPPM X
OPPM OPPM X
X OPPM OPPM X
OPPM
X
OPPM X
X OPPM X

⊗

WH

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.: *5212*
Sample No.: *15864*
Job No.: *2-1000*

Project Name: ***PNM Gas Services - Breech E #87 Landfarm***
Project Location: ***9708211125; Composite Sample***
Sampled by: *RH* Date: *21-Aug-97* Time: *11:25*
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>	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	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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