

District I
P.O. Box 100
Farmington, NM 87401
District II
P.O. Box 100
Farmington, NM 87401
District III
1000 Rio Brazos Rd
Farmington, NM 87401

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

Approved

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

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Breach E #558

Location: Unit A Sec 3 T 26 N R 6 W County Rio Arriba

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

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

(Attach diagram) Reference: wellhead ☒ other ☐

Footage from reference: 90'

Direction from reference: 70 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) 0

(Horizontal distance to perennial lakes)

RANKING SCORE (TOTAL POINTS): 0

RECEIVED
FEB 11 1998
OIL CON. DIV.
DIST. 3

Breach E #558

Date Remediation Started: 9/15/97

Date Completed: 9/15/97

Remediation Method: Excavation ☒ Approx. Cubic Yard 26

(Check all appropriate sections)

Landfarmed ☒ Amount Landfarmed (cubic yds) 26

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 10' X 10' X 7' 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

5' walls and 7' bottom.

Sample date

9/15/97

Sample time

10:00:00 AM

Sample Results

Benzene (ppm) < 0.0010

Total BTEX (ppm) < 0.0010

Field headspace (ppm) _____

TPH (ppm)

< 5.00

Method

8015A

Vertical Extent (ft) _____

Risk Assessment form attached

Yes

No

Ground Water Sample:

Yes

No

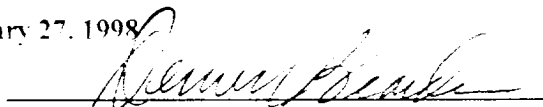
☒

(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 TITLEDenver Bearden
Administrator III

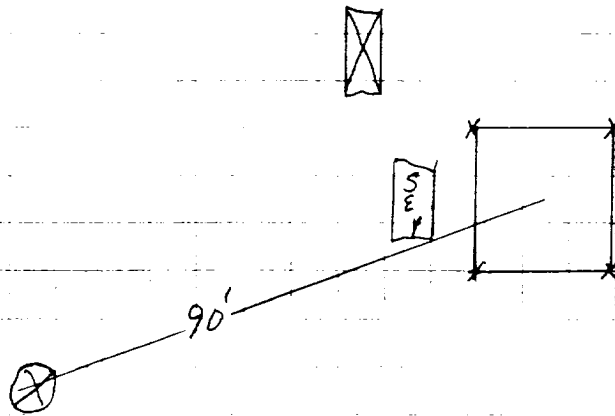
Breach E# 558

9/15/97

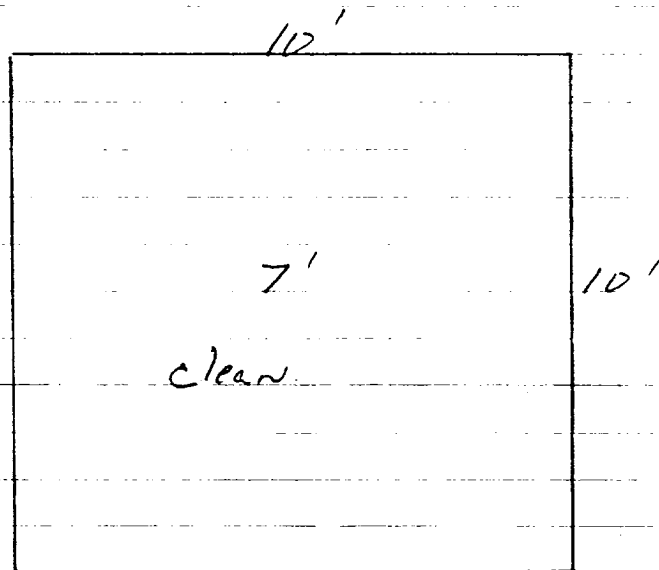
Caulkins Oil

Sec. 3, 26N, 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: *24-Sep-97*
 COC No.: *5691*
 Sample No.: *16195*
 Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech E #558*
 Project Location: *9709151000; Composite, 4 Walls @ 5' and Bottom @ 7'*
 Sampled by: GC Date: *15-Sep-97* Time: *10:00*
 Analyzed by: DC/HR Date: *22-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>	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	184	8.5	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	88	87	(70-130)	1	20%

Method - EPA 821-RF Method 8015 (modified) for Diesel Range Organics (C10-C28) in Soil by GC/MS

Approved by: *[Signature]*
 Date: *9/24/97*

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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.: *5691*
Sample No.: *15195*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech E #558*
Project Location: *9709151000; Composite, 4 Walls @ 5' and Bottom @ 7'*
Sampled by: *GC* Date: *15-Sep-97* Time: *10:00*
Analyzed by: *HR* Date: *19-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	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>	ND	ug/kg	1	ug kg
<i>o-Xylene</i>	ND	ug/kg	1	ug kg
	<i>TOTAL</i>	ND	ug/kg	

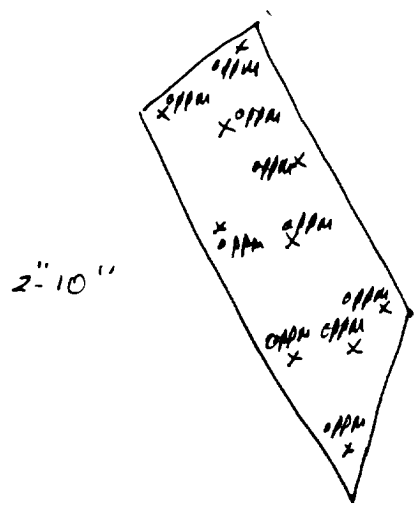
ND - Not Detected at Limit of Quantitation

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

Denver Bearden
Date: *9/29/97*

↑
N

10-1-97 0910
Breach E #558
Caulkins
(H) 3-26N-6W
Rio Arriba
Sample # 8710010910
Landfarm field head space: 1.5 ppm



WH
⊗

500
MH

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.: *16465*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech E #558*
Project Location: *9710010910; Composite*
Sampled by: *RH* Date: *1-Oct-97* Time: *9:10*
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>6</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 - *10/16/97*

Approved by: *[Signature]*
Date: *10/16/97*

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