

Denny E. Faust
District I
P.O. Box 1980, Hobbs, NM
DEPUTY OIL & GAS INSPECTOR
District II
P.O. Drawer DD, Artesia, NM 88221
District III
1900 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

Approved **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 C #389
Location: Unit E Sec 13 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: 80'
Direction from reference: 15 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:

(Less than 200 feet from a private
domestic water source, or, less than 1,000
feet from all other water sources)

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Yes (20 points)
No (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 C #389

Date Remediation Started: 8/28/97

Date Completed: 8/28/97

Remediation Method:

Excavation

☒

Approx. Cubic Yard 22

(Check all appropriate sections)

Landfarmed

☒

Amount Landfarmed (cubic yds) 22

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 12' X 12' X 4' 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

3' walls and 4' bottom.

Sample date

8/28/97

Sample time

1:30:00 PM

Sample Results

Benzene (ppm) < 0.0500

Total BTEX (ppm) 15.2110

Field headspace (ppm) _____

TPH (ppm)

37.00

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 October 27, 1997

SIGNATURE

PRINTED NAME
AND TITLEDenver Bearden
Administrator III

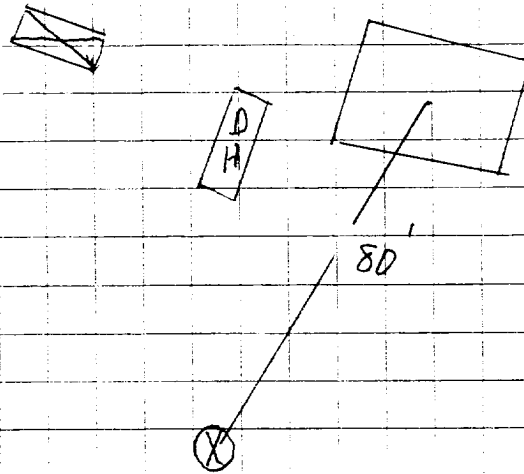
Breech C # 389

8-28-97

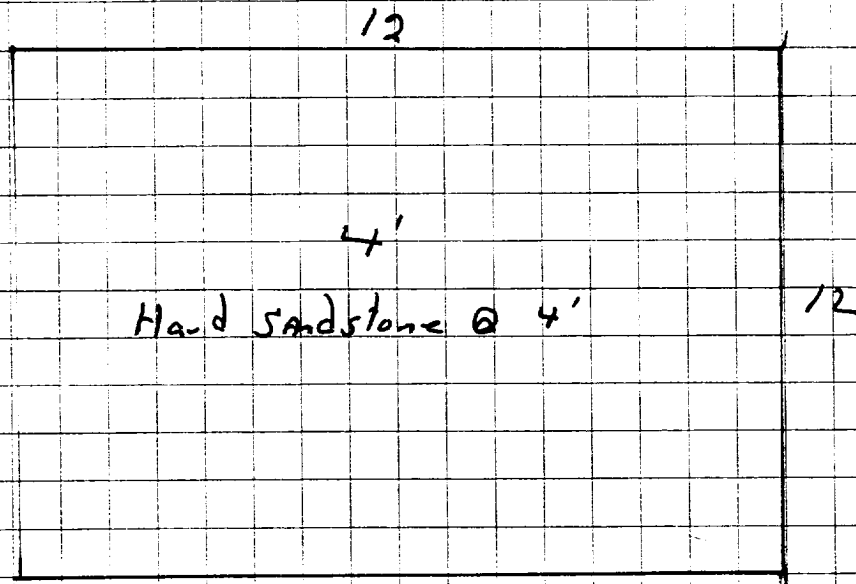
Caulkins Oil

Sec. 13, 26N, 6W, E

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.: *5989*
Sample No.: *16011*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech C #389*
Project Location: *9708281330; Composite, Walls @ 3' and Bottom @ 4'*
Sampled by: *GC* Date: *28-Aug-97* Time: *13:30*
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>	<i>37</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>214</i>	<i>6.9</i>	<i>15%</i>

Matrix Spike

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

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

Approved by: *[Signature]*
Date: *9/2/97*

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.: *5989*
Sample No.: *16011*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech C #389*
Project Location: *9708281330; Composite, Walls @ 3' and Bottom @ 4'*
Sampled by: *GC* Date: *28-Aug-97* Time: *13:30*
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>	ND	ug/kg	50	ug/kg
<i>Toluene</i>	209	ug/kg	50	ug/kg
<i>Ethylbenzene</i>	512	ug/kg	50	ug/kg
<i>m,p-Xylene</i>	11439	ug/kg	50	ug/kg
<i>o-Xylene</i>	3052	ug/kg	50	ug/kg
	<i>TOTAL</i>	15211	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*

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↑
N

9-9-97 @ 1245

Breech @ #389

Caulkins

(L) 13-26N-6W

RPO Arriba

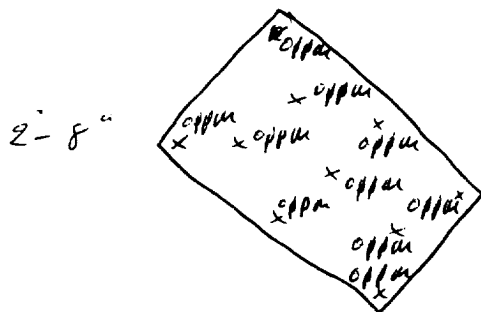
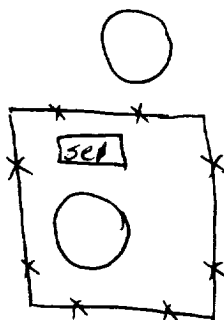
Sample # 9709091245

Land farm field head space - 5.5 ppm

MH

PH

⊗
W.A.



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: *15-Sep-97*
COC No.: *5670*
Sample No.: *16118*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech C #389 Landfarm*
Project Location: *9709091245; Composite*
Sampled by: *RH* Date: *9-Sep-97* Time: *12:45*
Analyzed by: *DC/HR* Date: *10-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	189	5.7	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	87	92	(70-130)	5	20%

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

Approved by: *[Signature]*
Date: *9/15/97*

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