

Denny & Faust
DEPUTY OIL & GAS INSPECTOR

District II
P.O. Drawer DD, Aztec, NM 87410
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

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 A #183
Location: Unit J Sec 10 T 26 N R 6 W County Rio Arriba
Pit Type: Separator Dehydrator Other Drip
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: 150'
Direction from reference: 10 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)

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

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

Breach A #183

Date Remediation Started: 8/11/97

Date Completed: 8/11/97

Remediation Method:

Excavation

X

Approx. Cubic Yard 100

(Check all appropriate sections)

Landfarmed

X

Amount Landfarmed (cubic yds) 100

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 15' X 15' X 12' and landfarmed soil onsite within a bermed area 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

9' walls and 12' bottom.

Sample date

8/11/97

Sample time

10:00:00 AM

Sample Results

Benzene (ppm) < 0.0050

Total BTEX (ppm) 0.5060

Field headspace (ppm)

TPH (ppm)

93.00

Method

8015A

Vertical Extent (ft)

Risk Assessment form attached

Yes

No

Ground Water Sample:

Yes

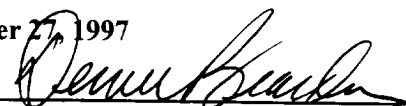
No

(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



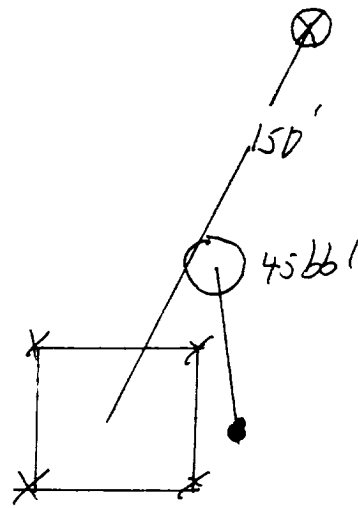
PRINTED NAME
AND TITLE

Denver Bearden
Administrator III

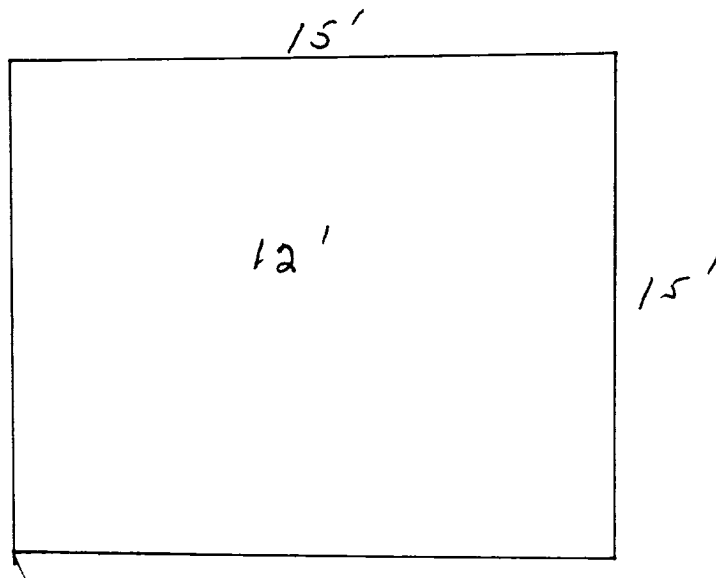
Breech A# 183
Caulkins Oil
Sec. 10, 26N, 6W, T

8-11-97

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: *21-Aug-97*
COC No.: *5970*
Sample No.: *15749*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech A #183*
Project Location: *9708111000; Composite, 4 Walls @ 9' and Bottom @ 12'*
Sampled by: *GC* Date: *11-Aug-97* Time: *10:00*
Analyzed by: *HR/DC* Date: *20-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>	93	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	0.6	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	85	89	(70-130)	4	20%

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

Approved by: *[Signature]*
Date: *8/21/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

TECHNOLOGY BLENDING INDUSTRIES, INC. FOR 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: *22-Aug-97*
COC No.: *5970*
Sample No.: *15749*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech A #183*
Project Location: *9708111000; Composite, 4 Walls @ 9' and Bottom @ 12'*
Sampled by: *GC* Date: *11-Aug-97* Time: *10:00*
Analyzed by: *DC* Date: *21-Aug-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	5	ug/kg
<i>Toluene</i>	ND	ug/kg	5	ug/kg
<i>Ethylbenzene</i>	84	ug/kg	5	ug/kg
<i>m,p-Xylene</i>	332	ug/kg	5	ug/kg
<i>o-Xylene</i>	90	ug/kg	5	ug/kg
	<i>TOTAL</i>	506		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: *8/22/97*

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TECHNOLOGY BLENDING INDUSTRIES WITH THE ENVIRONMENT

↑
N

9-2-97 - @ 1045

Breach A #183

Caulkins

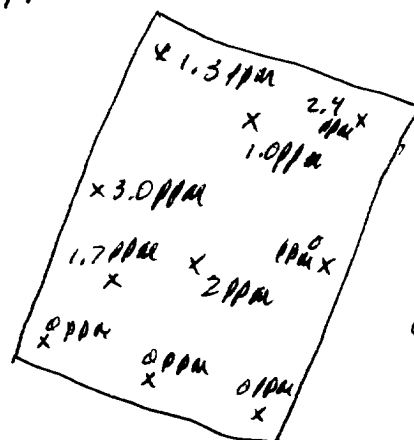
(J) 10-26N-4W

Rio Arriba

Sample # - 9709021045

Landfarm field head space - 10 ppm

2"-12"



WH
⊙

⊙

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: *9-Sep-97*
COC No.: *5655*
Sample No.: *16023*
Job No.: *2-1000*

Project Name: ***PNM Gas Services - Breech A #183 Landfarm***

Project Location: ***9709021045; Composite Sample***

Sampled by: *RH* Date: *2-Sep-97* Time: *10:45*

Analyzed by: *DC/HR* Date: *8-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>7</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>206</i>	<i>2.7</i>	<i>15%</i>

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>95</i>	<i>85</i>	<i>(70-130)</i>	<i>10</i>	<i>20%</i>

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

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

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TECHNOLOGY BLENDING INDUSTRIES 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.: *5655*
Sample No.: *16023*
Job No.: *2-1000*

Project Name: ***PNM Gas Services - Breech A #183 Landfarm***

Project Location: ***9709021045; Composite Sample***

Sampled by: *RH* Date: *2-Sep-97* Time: *10:45*

Analyzed by: *DC* Date: *5-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>	1	ug/kg	1	ug/kg
<i>o-Xylene</i>	ND	ug/kg	1	ug/kg
	<i>TOTAL</i>	1	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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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -