

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

District II: Dennis
P O Drawer DD, Artesia, NM 88220

District III
1000 Rio Brazos Rd. Aztec, NM 87410

Artesia, NM 88220
DEPUTY OIL & GAS INSPECTOR

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

87410
JUN 23 1998

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: Breech A #136

Location:	Unit	A	Sec	10	T	26 N	R	6 W	County	Rio Arriba
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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: 73'

Direction from reference: 18 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)

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

Wellhead Protection Area:

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Yes (20 points)
No (0 points)

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

OIL CON. DIV.
DIST. 3

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)

(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 0

Breach A #136

Date Remediation Started: 10/8/97

Date Completed: 10/8/97

Remediation Method:

Excavation ☒

Approx. Cubic Yard 25

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 25

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 15' X 15' X 3' 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

4'

Sample date

10/8/97

Sample time

11:30:00 AM

Sample Results

Benzene (ppm)

0.3590

Total BTEX (ppm)

40.7200

Field headspace (ppm)

TPH (ppm)

51.00

Method

8015A

Vertical Extent (ft)

Risk Assessment form attached

Yes

No

Ground Water Sample:

Yes

No

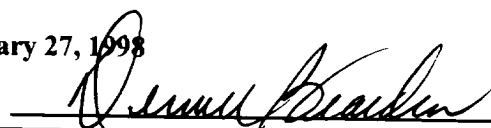


(If yes, see attached Groundwater Site Summary Report)

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

↑
N

10-8-97 @ 1020

Breach A #136

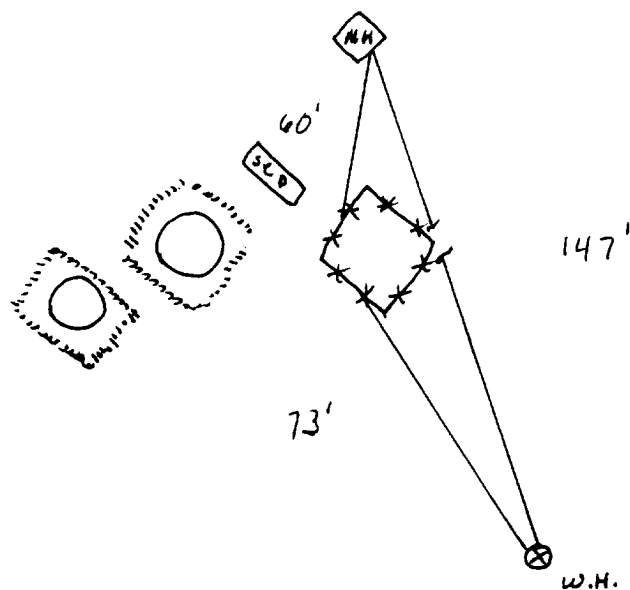
Caulkins

(A) 10-26N-6W

Rio Arriba

Distance from Ref: 73'

18° W of N



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: *17-Oct-97*
COC No.: *5666*
Sample No.: *16542*
Job No.: *2-1000*

Project Name: ***PNM Gas Services - Breech A #136***
Project Location: ***9710081130; Pit Excavation Composite***
Sampled by: *RH* Date: *8-Oct-97* Time: *11:30*
Analyzed by: *DC/HR* Date: *14-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>51</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>185</i>	<i>8.0</i>	<i>15%</i>

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>87</i>	<i>87</i>	<i>(70-130)</i>	<i>0</i>	<i>20%</i>

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

Approved by: *[Signature]*
Date: *10/12/97*

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: *17-Oct-97*
COC No.: *5666*
Sample No.: *16542*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech A #136*
Project Location: *9710081130; Pit Excavation Composite*
Sampled by: *RH* Date: *8-Oct-97* Time: *11:30*
Analyzed by: *DC* Date: *14-Oct-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	<i>359</i>	<i>ug/kg</i>	<i>100</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>10549</i>	<i>ug/kg</i>	<i>100</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>1761</i>	<i>ug/kg</i>	<i>100</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>21526</i>	<i>ug/kg</i>	<i>100</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>6525</i>	<i>ug/kg</i>	<i>100</i>	<i>ug/kg</i>
<i>TOTAL</i>	<i>40720</i>	<i>ug/kg</i>		

ND - Not Detected at Limit of Quantitation

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

Approved by: *[Signature]*
Date: *10/17/97*

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- TECHNICAL SERVICES PROVIDED BY THE ENVIRONMENTAL

↑
N

10-20-97 @ 1030

Breach A #136

Caulkins

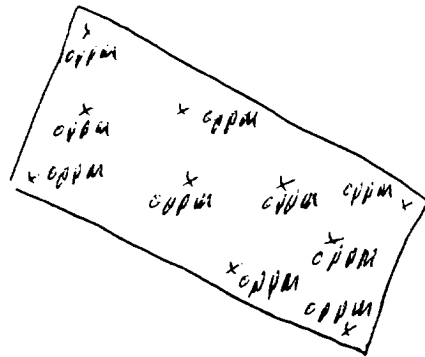
(A) 10-26N-~~10~~6W

Rio Arriba

sample # ~~1030~~ 9710201030

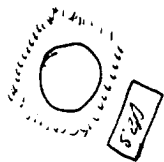
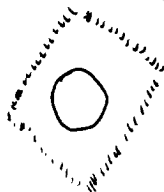
Land farm field head space: ppm

MH



" - 10"

OH



⊗

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: *23-Oct-97*
COC No.: *5678*
Sample No.: *16640*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech A #136 Landfarm*
Project Location: *9710201030; Composite*
Sampled by: *RH* Date: *20-Oct-97* Time: *10:30*
Analyzed by: *DC/HR* Date: *21-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>8</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>222</i>	<i>10.4</i>	<i>15%</i>

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>87</i>	<i>97</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: *10/24/97*

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