

District III
1000 Rio Brazos Rd. Aztec, NM

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

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

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Breech A #133

Location: Unit D Sec 10 T 26 N R 6 W County Rio Arriba

Pit Type:	Separator	Dehydrator	Other	Drip
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Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

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

(Attach diagram) Reference: wellhead ☒ other

Footage from reference: 45'

Direction from reference: 10 Degrees ☒ East North 10
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)

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)

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)

RANKING SCORE (TOTAL POINTS) : 0

Breach A #133

Date Remediation Started: 10/1/97

Date Completed: 10/1/97

Remediation Method: Excavation ☒ Approx. Cubic Yard 128

(Check all appropriate sections)

Landfarmed ☒ Amount Landfarmed (cubic yds) 128

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 24' X 18' X 8' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerated by disking/plowing until soil 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 8' bottom.

Sample date

10/1/97

Sample time

10:30:00 AM

Sample Results

Benzene (ppm) < 0.0020

Total BTEX (ppm) 0.0090

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

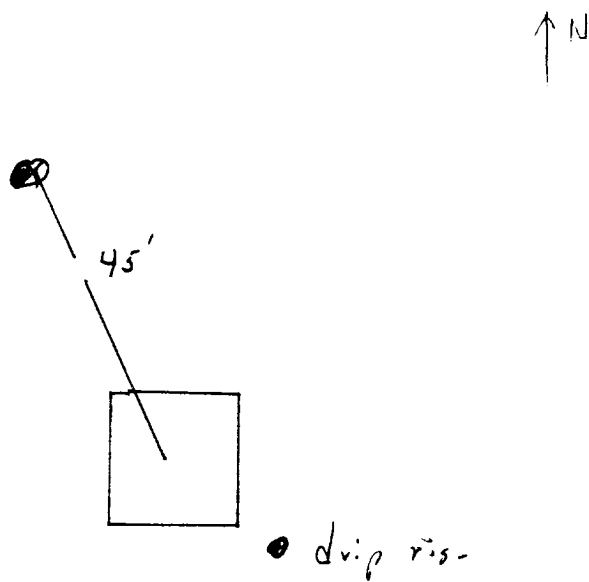
Breach A #133

10-1-97

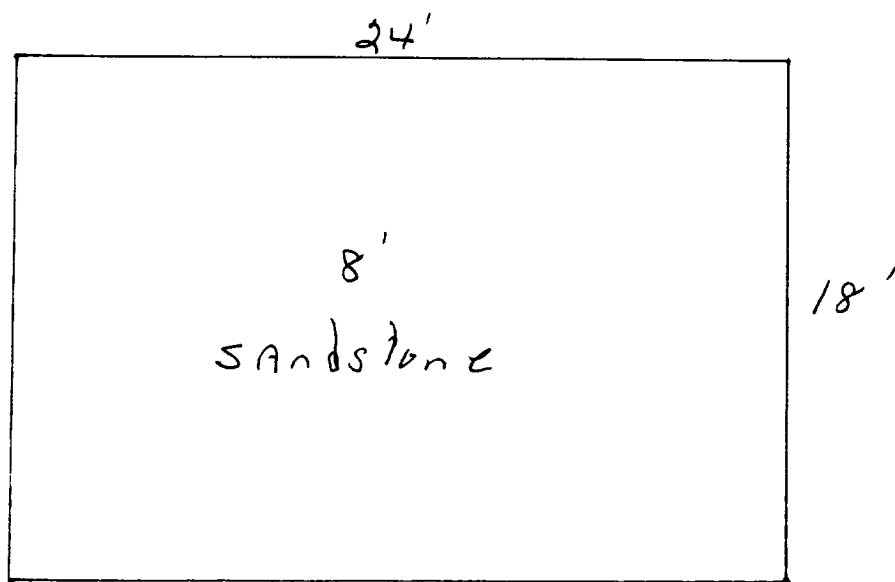
Cankins O.1

Sec. 10, 26N, 6W, D

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: *8-Oct-97*
COC No.: *5816*
Sample No.: *16471*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech A #133*
Project Location: *9710011030; Composite, Walls @ 5' and Bottom @ 8'*
Sampled by: *GC* Date: *1-Oct-97* Time: *10:30*
Analyzed by: *DC/HR* Date: *7-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>	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	214	6.7	15%

Matrix Spike

Parameter	1- Percent Recovered	2- Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	94	86	(70-130)	9	20%

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

Approved by: *[Signature]*
Date: *10/8/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- Farmington, NM 87499-2606 -

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.: *5816*
Sample No.: *16471*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech A #133*
Project Location: *9710011030; Composite, Walls @ 5' and Bottom @ 8'*
Sampled by: *GC* Date: *1-Oct-97* Time: *10:30*
Analyzed by: *DC* Date: *3-Oct-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	2	ug/kg
<i>Toluene</i>	3	ug/kg	2	ug/kg
<i>Ethylbenzene</i>	ND	ug/kg	2	ug/kg
<i>m,p-Xylene</i>	4	ug/kg	2	ug/kg
<i>o-Xylene</i>	3	ug/kg	2	ug/kg
	<i>TOTAL</i>	9		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: *10/6/97*

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- TECHNOLOGY SERVING INDUSTRY AND THE PUBLIC -

10-20-97 @ 1015

Breach A # 132

Caulkins

(D) 10-26N - 6W

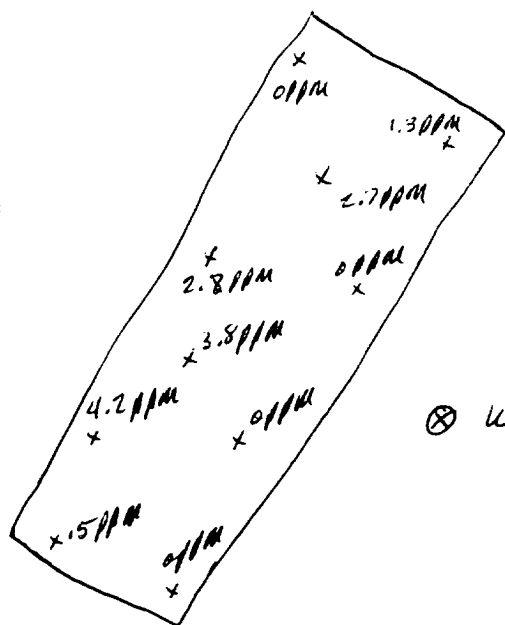
Rio Arriba

Sample # 4710201015

Land farm field head space: 3.8 ppm

↑
N

2" - 12"



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.: *16639*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech A #133 Landfarm*
Project Location: *9710201015; Composite*
Sampled by: *RH* Date: *20-Oct-97* Time: *10:15*
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>	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	222	10.4	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	87	97	(70-130)	10	20%

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

Approved by: *[Signature]*
Date: *10/24/97*

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -