

Denny & East
DEPUTY OIL & GAS INSPECTOR

District II
P.O. Drawer DD, Aztec, NM 87211

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 #131
Location: Unit B Sec 9 T 26 N R 6 W County Rio Arriba
Pit Type: Separator ☒ Dehydrator ☐ Other Dr p riser
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: 35'
Direction from reference: 80 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 #131

Date Remediation Started: 8/4/97

Date Completed: 8/4/97

Remediation Method: Excavation ☒

Approx. Cubic Yard 207

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 207

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 16' X 25' X 14' 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

12' walls and 14' bottom.

Sample date

8/4/97

Sample time

11:30:00 AM

Sample Results

Benzene (ppm) < 0.0250

Total BTEX (ppm) 5.8980

Field headspace (ppm)

TPH (ppm)

18.00

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



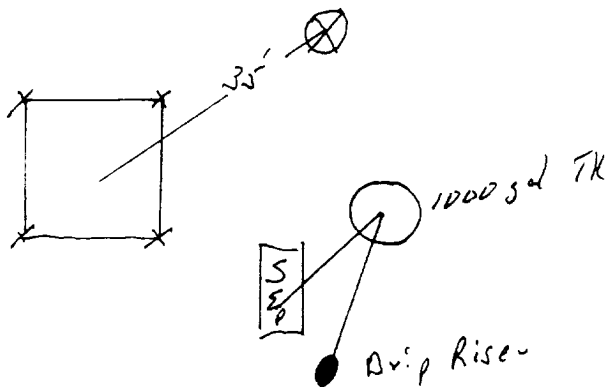
PRINTED NAME
AND TITLE

Denver Bearden
Administrator III

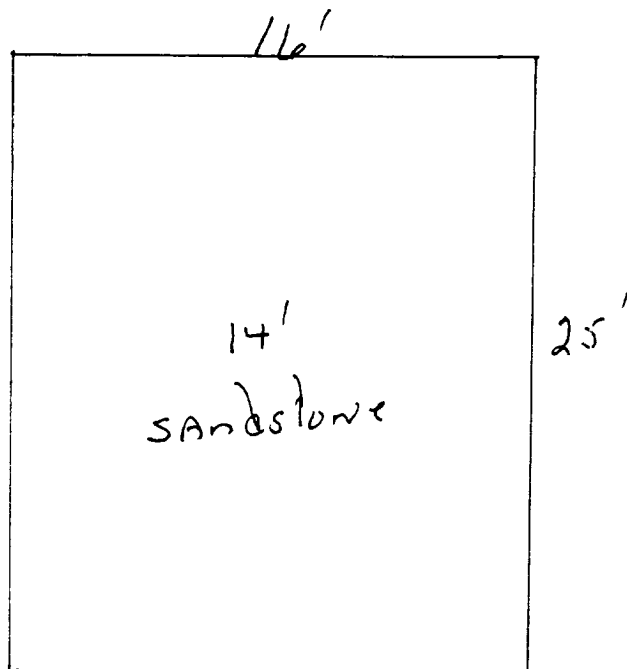
Breech A # 131
Caulkins Oil
Sec. 9, 26N, 6W, B

8-4-97

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: 16-Aug-97
COC No.: 5936
Sample No.: 15668
Job No.: 2-1000

Project Name: **PNM Gas Services - Breech A #131**
Project Location: **9708041130; Composite, 4 Walls @ 12' and Bottom @ 14'**
Sampled by: GC Date: 4-Aug-97 Time: 11:30
Analyzed by: HR/DC Date: 14-Aug-97
Sample Matrix: Soil

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Diesel Range Organics (C10 - C28)	18	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
Diesel Range (C10 - C28)	ND	ppm	200	213	6.3	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
Diesel Range (C10-C28)	82	88	(70-130)	7	20%

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

Approved by:

Date:

[Signature]
8/16/97

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE FUTURE IN MIND -

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-Aug-97*
COC No.: *5936*
Sample No.: *15668*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech A #131*
Project Location: *9708041130; Composite, 4 Walls @ 12' and Bottom @ 14'*
Sampled by: *GC* Date: *4-Aug-97* Time: *11:30*
Analyzed by: *DC* Date: *12-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	25	ug/kg
<i>Toluene</i>	344	ug/kg	25	ug/kg
<i>Ethylbenzene</i>	388	ug/kg	25	ug/kg
<i>m,p-Xylene</i>	3742	ug/kg	25	ug/kg
<i>o-Xylene</i>	1424	ug/kg	25	ug/kg
	<i>TOTAL</i>	5898	ug/kg	

ND - Not Detected at Limit of Quantitation

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

Approved by: *[Signature]*
Date: *8/15/97*

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8-21-97 - @ 1245

Breach A #131

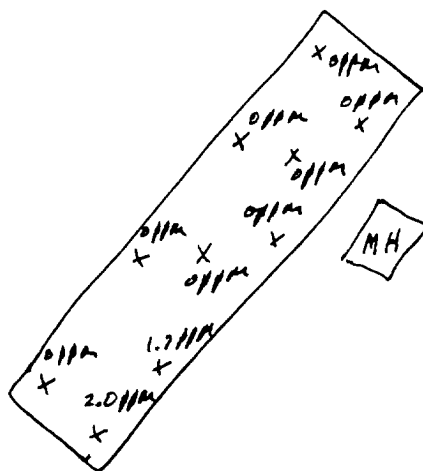
Caulkins

(B) 9-26N-6W

RPO Arriba Co.

Land Farm Field Head Space 2.3 ppm

2-12^u



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: *25-Aug-97*
COC No.: *5214*
Sample No.: *15866*
Job No.: *2-1000*

Project Name: ***PNM Gas Services - Breech A #131 Landfarm***

Project Location: ***9708211245; Composite Sample***

Sampled by: *RH* Date: *21-Aug-97* Time: *12:45*

Analyzed by: *HR/DC* Date: *22-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>	ND	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	0.5	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	83	80	(70-130)	4	20%

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

Approved by: *[Signature]*
Date: *8/25/97*

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