

District I
P.O. Box 1500 Hobbs

District II
P.O. Drawer DD Artesia 88221

District III
3000 Rio Brazos Rd. Aztec 87412
JUN 23 1998

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

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Breech E #58M Drip

Location: Unit J Sec 3 T 26 N R 6 W County Rio Arriba

Pit Type: Separator ☐ Dehydrator ☐ Other Drip

Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

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

(Attach diagram) Reference: wellhead ☒ other ☐

Footage from reference: 150'

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) C

(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 nearest lake, stream, or other surface water body)

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
FEB - 7 1998
OIL CON. DIV.
DIST. 3

RECEIVED
JAN 10 1964

U.S. DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C.

Breach E #58M Drip

Date Remediation Started: 9/10/97

Date Completed: 9/10/97

Remediation Method: Excavation ☒

Approx. Cubic Yard 89

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 89

Other

Remediation Location: Onsite

Offsite

Breach E #58M - same legal.

(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 20' X 20' X 6' and landfarmed soil offsite at Breach E #58M 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

3' walls and 6' bottom.

Sample date

9/10/97

Sample time

12:00:00 PM

Sample Results

Benzene (ppm) < 0.0010

Total BTEX (ppm) 0.8680

Field headspace (ppm)

TPH (ppm)

12.00

Method

8015A

Vertical Extent (ft)

Risk Assessment form attached

Yes

No

Ground Water Sample:

Yes

No

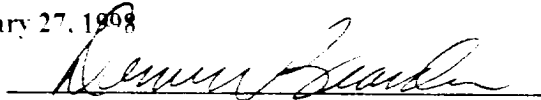


(If yes, see attached Groundwater Site Summary Report)

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



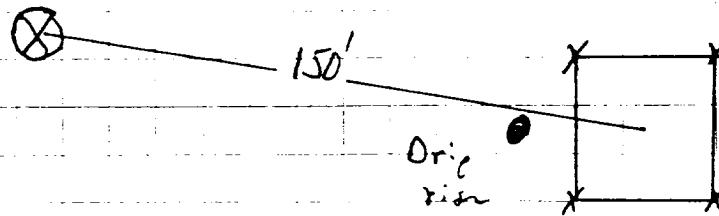
PRINTED NAME
AND TITLE

Denver Bearden
Administrator III

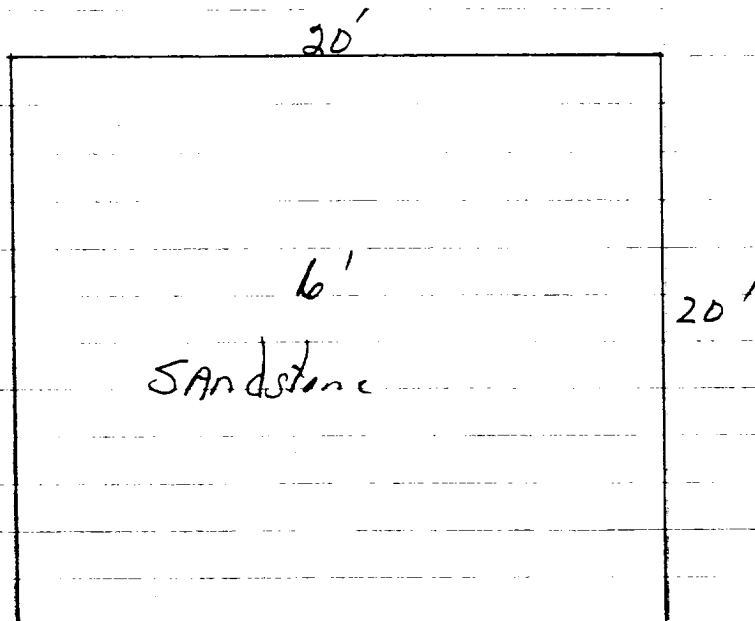
Breach 5 #58m Drip
Williams Field Section
Sec. 3, 26N, 6W, T

9/10/97

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-Sep-97*
COC No.: *5687*
Sample No.: *16124*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech E #58M Drip*
Project Location: *9709101200; Composite, 4 Walls @ 3' and Bottom @ 6'*
Sampled by: *GC* Date: *10-Sep-97* Time: *12:00*
Analyzed by: *DC/HR* Date: *15-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>12</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>197</i>	<i>1.5</i>	<i>15%</i>

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>100</i>	<i>94</i>	<i>(70-130)</i>	<i>6</i>	<i>20%</i>

Method - PNM Gas Services, Inc. (P) 100% Recovery Test (P) 100% Recovery Test (P) 100% Recovery Test

Approved by: *[Signature]*
Date: *9/16/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

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-Sep-97*
COC No.: *5687*
Sample No.: *16124*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech E #58M Drip*
Project Location: *9709101200; Walls @ 3' and Bottom @ 6'*
Sampled by: *GC* Date: *10-Sep-97* Time: *12:00*
Analyzed by: *DC* Date: *11-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>	12	ug/kg	1	ug/kg
<i>Ethylbenzene</i>	43	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	658	ug/kg	1	ug/kg
<i>o-Xylene</i>	154	ug/kg	1	ug/kg
	<i>TOTAL</i>	868		ug/kg

ND - Not Detected at Limit of Quantitation

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

9/17/97
Date: *9/17/97*

↑
N

10-1-47 @ 0850

Breach E 58M drop

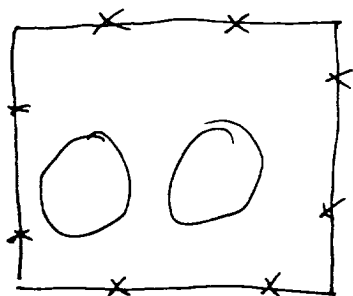
W. Williams

(P) 3-260-6W

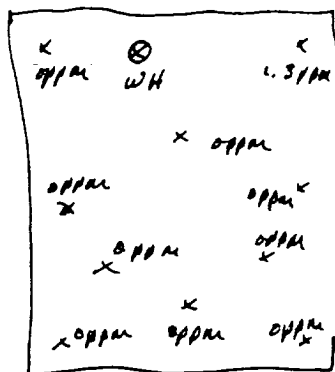
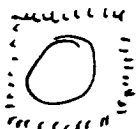
L. O. Arrilla

Sample # 971001850

Land Farm Field Head space: 6 ppm



540



2"-12"

sed

sed

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.: *5676*
Sample No.: *16463*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech E #58M Drip*
Project Location: *9710010850; Composite (LanaFarm)*
Sampled by: *RH* Date: *1-Oct-97* Time: *8:50*
Analyzed by: *DC/HR* Date: *2-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	188	6.4	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	91	89	(70-130)	2	20%

Method: EPA 821-1-1, 821-1-2, 821-1-3, 821-1-4, 821-1-5, 821-1-6, 821-1-7, 821-1-8, 821-1-9, 821-1-10, 821-1-11, 821-1-12, 821-1-13, 821-1-14, 821-1-15, 821-1-16, 821-1-17, 821-1-18, 821-1-19, 821-1-20, 821-1-21, 821-1-22, 821-1-23, 821-1-24, 821-1-25, 821-1-26, 821-1-27, 821-1-28, 821-1-29, 821-1-30, 821-1-31, 821-1-32, 821-1-33, 821-1-34, 821-1-35, 821-1-36, 821-1-37, 821-1-38, 821-1-39, 821-1-40, 821-1-41, 821-1-42, 821-1-43, 821-1-44, 821-1-45, 821-1-46, 821-1-47, 821-1-48, 821-1-49, 821-1-50, 821-1-51, 821-1-52, 821-1-53, 821-1-54, 821-1-55, 821-1-56, 821-1-57, 821-1-58, 821-1-59, 821-1-60, 821-1-61, 821-1-62, 821-1-63, 821-1-64, 821-1-65, 821-1-66, 821-1-67, 821-1-68, 821-1-69, 821-1-70, 821-1-71, 821-1-72, 821-1-73, 821-1-74, 821-1-75, 821-1-76, 821-1-77, 821-1-78, 821-1-79, 821-1-80, 821-1-81, 821-1-82, 821-1-83, 821-1-84, 821-1-85, 821-1-86, 821-1-87, 821-1-88, 821-1-89, 821-1-90, 821-1-91, 821-1-92, 821-1-93, 821-1-94, 821-1-95, 821-1-96, 821-1-97, 821-1-98, 821-1-99, 821-1-100

Approved by: *[Signature]*
Date: *10/6/97*

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