

Denny E. Frost
DEPUTY OIL & GAS INSPECTOR
District II
P O. Drawer DD, Artesia, NM 88221
District III
1000 Rio Brazos Rd. Aztec, NM 87410
FEB 26 1998

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 C #244E Drip

Location: Unit E Sec 14 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: 450'

Direction from reference: 5 Degrees ☒ East ☒ North ☐ South ☐ of ☐ West

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: Yes (20 points)
No (0 points) 0

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

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) 0

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

RANKING SCORE (TOTAL POINTS): 0

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

Breach C #244E Drip

Date Remediation Started: 8/25/97

Date Completed: 8/25/97

Remediation Method:

Excavation ☒

Approx. Cubic Yard 62

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 62

Other

Remediation Location:

(i.e., landfarmed onsite, name and location of offsite facility)

Onsite

Offsite

Breach C #244E - Sec. 14, 26N, 6W, E

Backfill Material Location:

General Description of Remedial Action:

Excavated contaminated soil to pit size of 20' X 14' X 6' and landfarmed soil offsite at Breach C #244E within a bermed area at a depth of 6" to 12". Soil was aerated by plowing until soil met regulatory levels.

Ground Water Encountered:

No



Yes



Depth

Final Pit Closure Sampling:

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample Location

5 pt composite-4 side walls and center of pit bottom

Sample depth

4' walls and 6' bottom.

Sample date

8/25/97

Sample time

10:00:00 AM

Sample Results

Benzene (ppm) < 0.0010

Total BTEX (ppm) 0.0070

Field headspace (ppm)

TPH (ppm) < 5.00

Method

8015A

Vertical Extent (ft)

Risk Assessment form attached

Yes

No

Ground Water Sample:

Yes

No

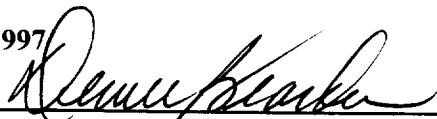


(If yes, see attached Groundwater Site Summary Report)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

DATE October 27, 1997

SIGNATURE



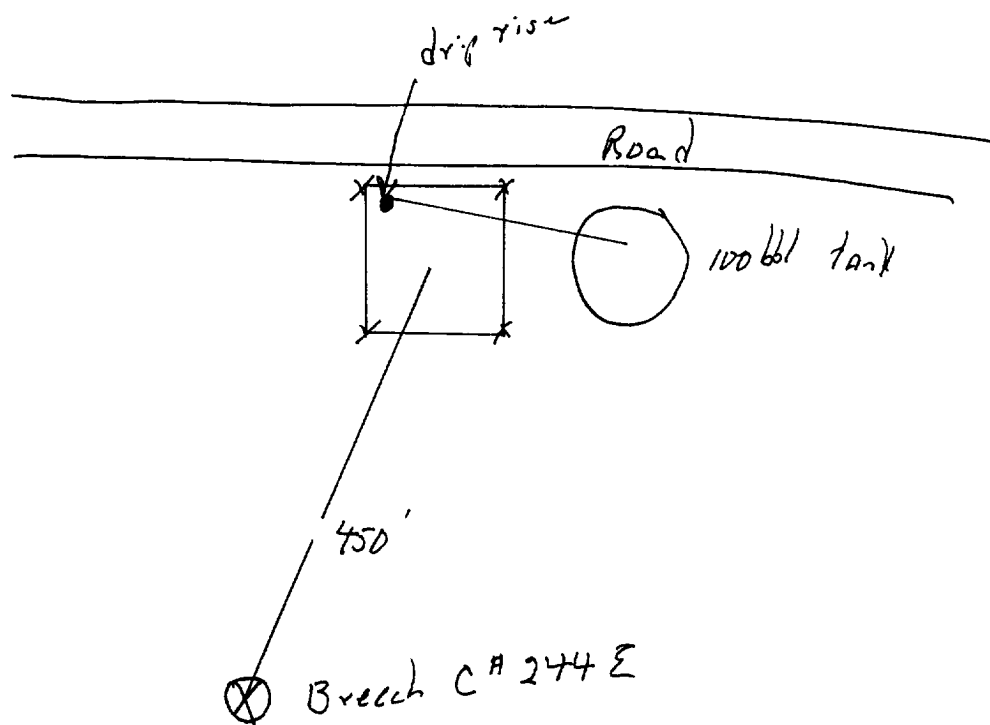
PRINTED NAME AND TITLE

Denver Bearden
Administrator III

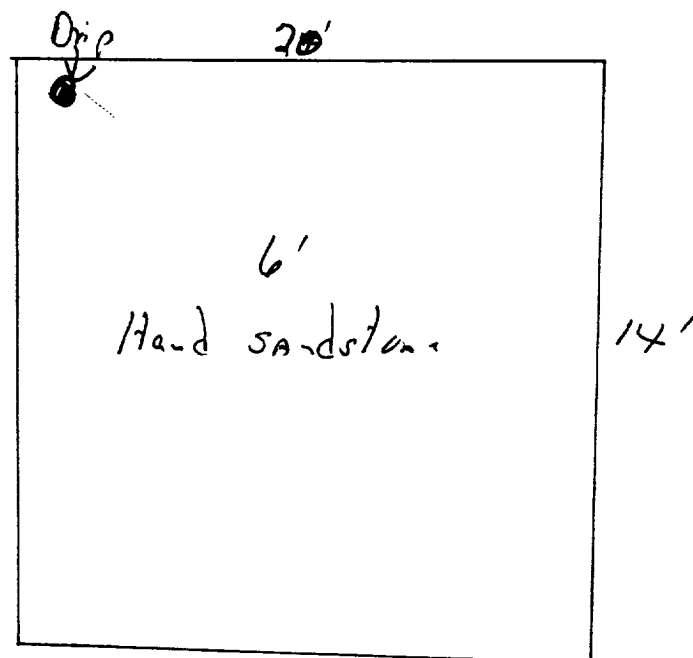
Breach C # 244 E Drip
Caulkins Oil
Sec. 14, 26N, 6W, E

8/25/97

start of excavation:



End of excavation:



6'
Hard sandstone

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: *29-Aug-97*
COC No.: *5971*
Sample No.: *15914*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech C #244E Drip*
Project Location: *9708251000; Composite, 4 Walls @ 4' and Bottom @ 6'*
Sampled by: *GC* Date: *25-Aug-97* Time: *10:00*
Analyzed by: *HR/DC* Date: *27-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	198	1.0	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	85	84	(70-130)	2	20%

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

Approved by: *[Signature]*
Date: *8/29/97*

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: *2-Sep-97*
COC No.: *5971*
Sample No.: *15914*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech C #244E Drip*
Project Location: *9708251000; Composite, 4 Walls @ 4' and Bottom @ 6'*
Sampled by: *GC* Date: *25-Aug-97* Time: *10:00*
Analyzed by: *DC* Date: *27-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	1	ug/kg
<i>Toluene</i>	1	ug/kg	1	ug/kg
<i>Ethylbenzene</i>	2	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	3	ug/kg	1	ug/kg
<i>o-Xylene</i>	ND	ug/kg	1	ug/kg
	<i>TOTAL</i>	7		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: *9/2/97*

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

9-8-97 - 0950

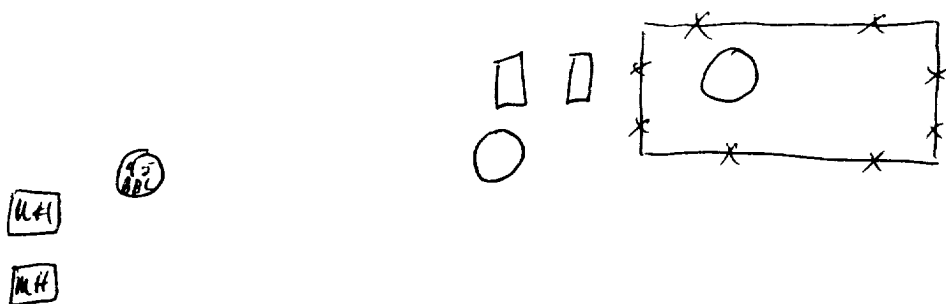
Breech C #244 E Drip (on Breech C #244 E)
Caulkins

(E) 14-26N-6W

RPO Arriba

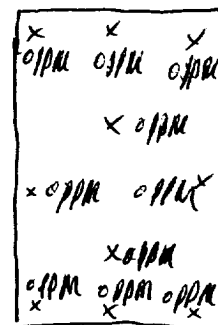
Sample # 970908 0950

Landform field head space 5.3 ppm



WH

2"-10"



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-Sep-97*
COC No.: *5667*
Sample No.: *16094*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech C #244E Drip Landfarm*
Project Location: *9709080950; Composite*
Sampled by: *RH* Date: *8-Sep-97* Time: *9:50*
Analyzed by: *DC/HR* Date: *10-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>22</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>189</i>	<i>5.7</i>	<i>15%</i>

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>87</i>	<i>92</i>	<i>(70-130)</i>	<i>5</i>	<i>20%</i>

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

Approved by: *[Signature]*
Date: *9/15/97*

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