

District I
P.O. Box 1980, Hobbs, NM

District II
P.O. Drawer DD, Artesia, NM 88221

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

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED
JUL 31 1998

Operator: PNM Gas Services (Williams) Telephone: 324-3764 OIL CON. DIV.
Address: 603 W. Elm Street Farmington, NM 87401 DIST. 3

Facility or Well Name: Breach D #345 Drip

Location: Unit B Sec 22 T 26 N R 6 W County Rio Arriba

Pit Type: Separator ☐ Dehydrator ☐ Other Dual drips

Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

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

(Attach diagram) Reference: wellhead ☒ other ☐

Footage from reference: 212'

Direction from reference: 75 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: 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

Breach D #345 Drip

Date Remediation Started: 8/21/97

Date Completed: 8/21/97

Remediation Method:

Excavation ☒

Approx. Cubic Yard 42

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 42

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 pit size of 15' X 15' X 5' and landfarmed soil onsite 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:

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 5' bottom.

Sample date

8/21/97

Sample time

1:30:00 PM

Sample Results

Benzene (ppm) < 0.0010

Total BTEX (ppm) 0.4430

Field headspace (ppm)

TPH (ppm)

287.00

Method

8015A

Vertical Extent (ft)

Risk Analysis 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 July 27, 1998

SIGNATURE

Gary Cook

PRINTED NAME Gary Cook

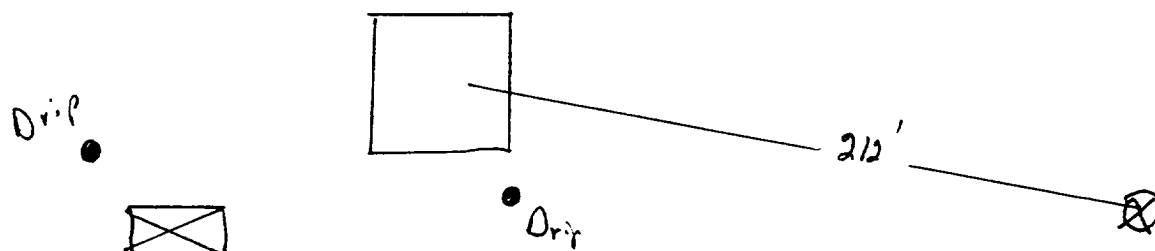
AND TITLE

Environmental Technician III

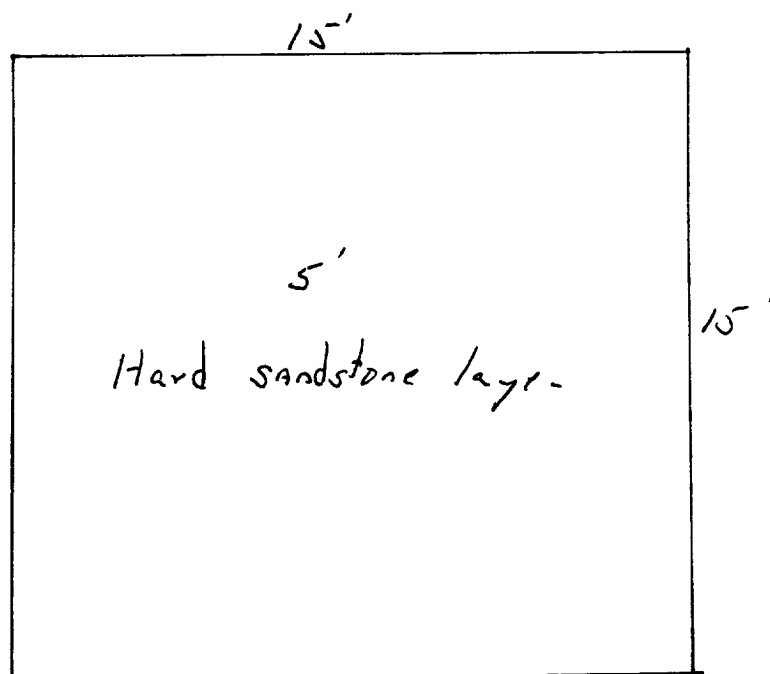
Breech D #345 Drip
WFS
Sec. 22, 26N, 6W, B

8/21/97

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: *29-Aug-97*
COC No.: *5957*
Sample No.: *15857*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech D #345 Drip*
Project Location: *9708211330; Composite, 4 Walls @ 3' and Bottom @ 5'*
Sampled by: *GC* Date: *21-Aug-97* Time: *13:30*
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>	<i>287</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.: 0548-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>198</i>	<i>1.0</i>	<i>15%</i>

Matrix Spike

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

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

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.: *5957*
Sample No.: *15857*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech D #345 Drip*
Project Location: *9708211330; Composite, 4 Walls @ 3' and Bottom @ 5'*
Sampled by: *GC* Date: *21-Aug-97* Time: *13:30*
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>	40	ug/kg	1	ug/kg
<i>Ethylbenzene</i>	71	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	262	ug/kg	1	ug/kg
<i>o-Xylene</i>	70	ug/kg	1	ug/kg
	<i>TOTAL</i>	443	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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9-15-97 @

Breesh D #345 pit #2

Caulkins

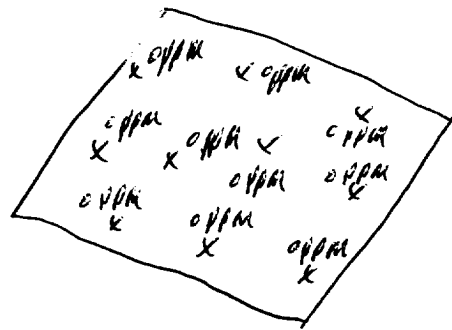
(B) 22-26N-6W

R.O. Arriba

Sample # 9709150930

Lancel Farm field head space - 1 ppm

2-12"



16A

50A



OFF: (505) 325-5667

ON SITE
TECHNOLOGIES, LTD.

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.: *16092*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech D #345 Pit 2 Landfarm*

Project Location: *9709080940; Composite*

Sampled by: *RH* Date: *8-Sep-97* Time: *9:40*

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>985</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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