

District I
 P.O. Box 1990, Hobbs, NM
 District II
 P.O. Box 1990, Hobbs, NM
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
DEPUTY OIL & GAS INSPECTOR
 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

Approved

Operator: PNM Gas Services (Caulkins)		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: Breech D #345			
Location:	Unit <u>B</u>	Sec <u>22</u>	T <u>26N</u> R <u>6W</u> County <u>Rio Arriba</u>
Pit Type:	Separator <input checked="" type="checkbox"/>	Dehydrator <input type="checkbox"/>	Other <input type="checkbox"/>
Land Type:	BLM <input checked="" type="checkbox"/>	State <input type="checkbox"/>	Fee <input type="checkbox"/> Other <input type="checkbox"/>
Pit Location:	Pit dimensions: length <u>25</u> ' width <u>25</u> ' depth <u>3</u> '		
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other <input type="checkbox"/>		
	Footage from reference: <u>90</u> '		
	Direction from reference: <u>85</u> Degrees <input type="checkbox"/> East <input checked="" type="checkbox"/> North <input type="checkbox"/> South <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> West of		
Depth to Ground Water:	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)		0
<small>(Vertical distance from contaminants to seasonal high water elevation of ground water)</small>			
Wellhead Protection Area:	Yes (20 points) No (0 points)		0
<small>(Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources)</small>			
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
<small>(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)</small>			
RANKING SCORE (TOTAL POINTS):			0

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

Breach D #345

Date Remediation Started: 8/18/97 Date Completed: 8/18/97

Remediation Method: Excavation X Approx. Cubic Yard 66

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds) 66

Other _____

Remediation Location: Onsite X 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 16' X 16' X 7' 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 5' walls and 7' bottom.

Sample date 8/18/97 Sample time 2:00:00 PM

Sample Results

Benzene (ppm) 0.3370

Total BTEX (ppm) 3.1730

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**

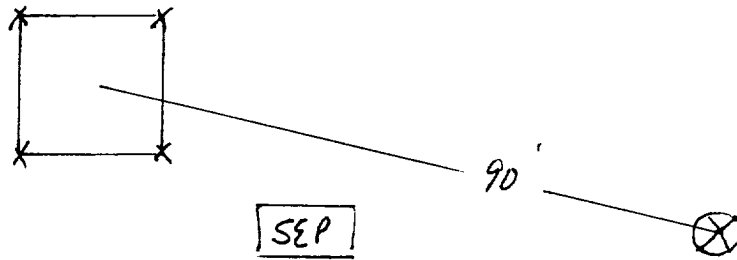
Breech 0 #345

8/18/97

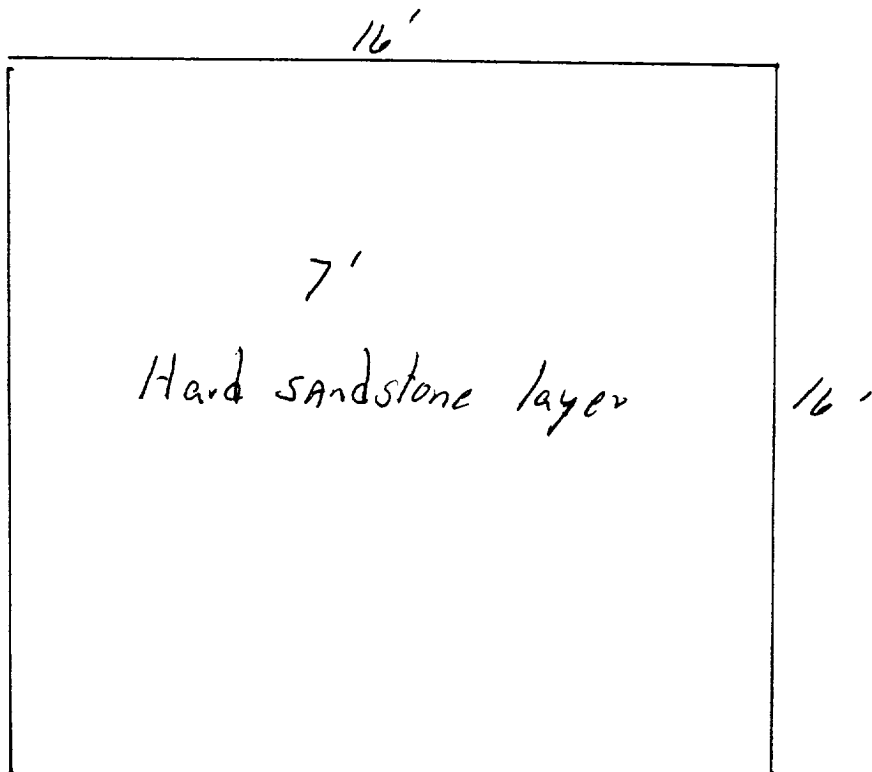
Caulkins 0:1

Sec. 22, 26N, 6W, B

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: *22-Aug-97*
 COC No.: *5960*
 Sample No.: *15820*
 Job No.: *2-1000*

Project Name: ***PNM Gas Services - Breech D #345***
 Project Location: ***9708181400; 4 Walls @ 5' and Bottom @ 7'***
 Sampled by: GC Date: *18-Aug-97* Time: *14:00*
 Analyzed by: HR/DC Date: *21-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	0.6	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	85	89	(70-130)	4	20%

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

Approved by: *[Signature]*
 Date: *8/22/97*

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: *22-Aug-97*
 COC No.: *5960*
 Sample No.: *15820*
 Job No.: *2-1000*

Project Name: *PNM Gas Services - Breech D #345*
 Project Location: *9708181400; 4 Walls @ 5' and Bottom @ 7'*
 Sampled by: GC Date: *18-Aug-97* Time: *14:00*
 Analyzed by: DC Date: *21-Aug-97*
 Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	<i>337</i>	<i>ug/kg</i>	<i>50</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>1752</i>	<i>ug/kg</i>	<i>50</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>120</i>	<i>ug/kg</i>	<i>50</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>798</i>	<i>ug/kg</i>	<i>50</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>166</i>	<i>ug/kg</i>	<i>50</i>	<i>ug/kg</i>
	<i>TOTAL</i>	<i>3173</i>		<i>ug/kg</i>

ND - Not Detected at Limit of Quantitation

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

Approved by: *[Signature]*
 Date: *8/22/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

↑
N

9-8-97 - 0930

Breach D# 345 Pit #1

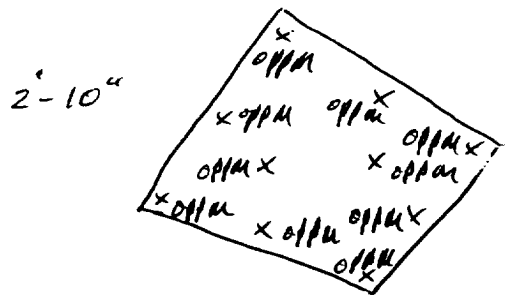
Caulkins

(B) 22-26N-6W

RPO Arriba

sample # 9704080930

land farm field head space 4.5 ppm



MH

set

⊗
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: *15-Sep-97*
 COC No.: *5667*
 Sample No.: *16091*
 Job No.: *2-1000*

Project Name: ***PNM Gas Services - Breech D #345 Pit 1 Landfarm***
 Project Location: ***9709080930; Composite***
 Sampled by: *RH* Date: *8-Sep-97* Time: *9:30*
 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>	13	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	189	5.7	15%

Matrix Spike

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

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

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