AT ACMITTATO

District I P O. B DEPUTY OIL & GAS INSPECTOR

District II
P O Drawer DD. Artes P. EB 88901 6 1998

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 I COPY TO APPROPRIATE DISTRICT OFFICE AND I COPY TO SANTA FE OFFICE

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		TION AND	CLUSURE	KEPUKI
	1			OIL

Operator:	PNM Gas Services (Caulkins) Telephone: 324-3764
Address: 60	03 W. Elm Street Farmington, NM 87401	
Facility or Well !	Name: Breech C #189	
Location:	Unit L Sec12	T 26N R 6W County Rio Arriba
Pit Type:	Separator Dehydrator	Other No equipment
Land Type: E	SLM <u>v</u> State Fee	Other
Pit Location:	Pit dimensions: length 20 '	width 20 depth 3
(Attach diagram)	Reference: wellhead 💌	other
	Footage from reference:147'	
	Direction from reference: 85 Degr	grees East North
		of West South
Depth to Ground \ (Vertical distance from contamin seasonal high water elevation of given the content of the co	Solution Greater	ess than 50 feet (20 points) 0 feet to 99 feet (10 points) or than 100 feet (0 points)
Wellhead Protection (Less than 200 feet from a private domestic water source, or, less than	NOV - 3 1997	Yes (20 points) No (0 points) 0
feet from all other water sources) Distance to Surface	OIL GON. DIV.	
(Horizontal distance to perennial I ponds, rivers, streams, creeks, irriganals and ditches	200 fei lakes. Greater	ess than 200 feet (20 points) eet to 1,000 feet (10 points) than 1,000 feet (0 points)
	RANK	KING SCORE (TOTAL POINTS):

Breech C #189				
Date Remediation Started:	9	/3/97	Date Completed:	9/3/97
Remediation Method:	Excavation	Х	Approx. Cubic Yard	240
(Check all appropriate sections)	Landfarmed	X	Amount Landfarmed (
sections)	Other			
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite	X	Offsite	
Backfill Material Location:				
General Description of Rem	edial Action:			
Excavated contaminated soil to 12". Soil was aerated by di	to a pit size of 20 sking/plowing un	o' X 18' X 18' and land til soil met regulatory	farmed soil onsite within a ber levels.	med area at a depth of 6"
Ground Water Encountered Final Pit Closure			es De	pth
Sampling:	Sample Location	5 pt. composite	e - 4 side walls and center of p	it bottom.
(if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample depth	15' walls and 18	3' bottom.	
ouniple locations and deputs.)	Sample date	9/3/97	Sample time	1:30:00 PM
	Sample Results			1.30.00 PIW
	Benzene	(ppm) < 0.0	020	
	Total BT	TEX (ppm)	0.0180	
	Field head	dspace (ppm)		
	TPH (ppm)	< 5.00	Method 801	5A
Vertical Extent (ft)		Risk Asses	sment form attached Yes	No
Ground Water Sample:	Yes	No Y	(If yes, see attached (Summary Report)	Groundwater Site
I HEREBY CERTIFY THAT KNOWLEDGE AND MY BE	THE INFORMA	TION ABOVE IS TR	UE AND COMPLETE TO TI	HE BEST OF MY
DATE October 27, 1997 SIGNATURE	(June	Hall	AND TITE	iver Bearden ministrator III

1

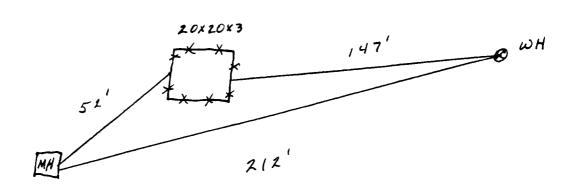
9-3-97 @ 1000

Breech C # 189

Coullins
(L) 12-26N-6W

Rio arriba

85° w of 5
147' from w.H.





LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: Denver Bearden

Date: 10-Sep-97

Company: PNM Gas Services

COC No.: 5995

Address: 603 W. Elm City, State: Farmington, NM 87401

Sample No.: Job No.:

16034 2-1000

Project Name:

PNM Gas Services - Breech C #189

Project Location:

9709031330; Composite, 4 Walls @ 15' and Bottom @ 18'

Sampled by:

GC

Date:

3-Sep-97 Time:

13:30

Analyzed by:

DC/HR

Date:

9-Sep-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	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
Diesel Range (C10 - C28)	ND	ppm	200	190	5.1	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
Diesel Range (C10-C28)	82	77	(70-130)	6	20%

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

Approved by:

P.O. BOX 2606 • FARMINGTON, NM 87499



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: Denver Bearden

Date:

8-Sep-97

Company: PNM Gas Services

COC No.:

Address:

5995

603 W. Elm

16034

City, State: Farmington, NM 87401

Sample No.: Job No.:

2-1000

Project Name:

PNM Gas Services - Breech C #189

Project Location:

9709031330; Composite, 4 Walls @ 15' and Bottom @ 18'

3-Sep-97 Time:

13:30

Sampled by: Analyzed by:

DC

Date: Date:

8-Sep-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		ND	ug/kg	2	ug/kg
Toluene		2	ug/kg	2	ug/kg
Ethylbenzene		3	ug/kg	2	ug/kg
m,p-Xylene		10	ug/kg	2	ug/kg
o-Xylene		4	ug/kg	2	ug/kg
	TOTAL	18	ug/kg		

ND - Not Detected at Limit of Quantitation

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

4-11-97- @8945
Breech C # \$89
Caulkins
(1) 12-260-600
Ko arriba
Sample # 9709110945
Land farm field head space - 7.8 MM

MH

8 WH

× 0 ppm 1.70pax

× 4.5 ppm 3.4 ppm

× 1.8 ppm × 4.5 ppm

2.3 ppm

2.3 ppm



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: Denver Bearden

Company: PNM Gas Services

Address: 603 W. Elm

City, State: Farmington, NM 87401

16-Sep-97

COC No.:

Date:

5**6**71

Sample No.: Job No.:

16131 2-1000

PNM Gas Services - Breech C #189 Landfarm

Project Name: Project Location:

9709110945; **Composite**

Date:

Date:

11-Sep-97 Time:

15-Sep-97

9:45

Sampled by: Analyzed by: Sample Matrix:

DC/HR Soil

Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	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
Diesel Range (C10 - C28)	ND	ppm	200	197	1.5	15%

Matrix Spike

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

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

Approved by: Date: 9/14/57

P.O. BOX 2606 • FARMINGTON, NM 87499



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.: Sample No.:

5671

Job No.:

16132 2-1000

Project Name:

PNM Gas Services - Breech RH C #189 Landfarm

Project Location: Sampled by:

9709110950; Composite

Date:

11-Sep-97 Time:

9:50

Analyzed by:

DC/HR

Date:

15-Sep-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	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
Diesel Range (C10 - C28)	ND	ppm	200	197	1.5	15%

Matrix Spike

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

 $\textbf{Method -} \textit{SW-846 EPA Method 8015A} \;\; \textit{mod. -Nonhalogenated Volatile Hydrocarbons by Gas Chromatography} \\$

Approved by:
Date: 9/14/97

P.O. BOX 2606 • FARMINGTON, NM 87499

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