Denny & Pout DISTRICTION ON & CAS INSPECTOR

District II P O Drawer DD, Artis B M 226 1998

District III 1000 Rio Brazos Rd, Aztec, NM 87410 State of New Mexico
Energy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION

2040 South Pacheco Street Santa Fe, New Mexico 87505

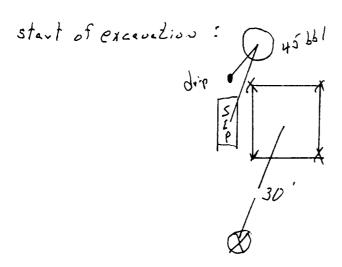
PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Gas Services (Caulkins	Telephone:	324-3764	
Address:	603 W. Elm Street Farmington, NM 874	01		
Facility or W	II Name: Breech A #181			
Location:	Unit L Sec1	0 T <u>26N</u> I	R 6W County	Rio Arriba
Pit Type:	Separator Dehydrato	r Othe	Drip	
Land Type:	BLM State	Fee Othe	-	
Pit Location:	Pit dimensions: length _	20 ' width	20 depth	3
(Attach diagrar	n) Reference: wellhead 💌	other _		
	Footage from reference:	0'		
	Direction from reference: 5	Degrees <u>~</u>	East North	<u>▼</u>
			of West South	
Depth to Grou (Vertical distance from c seasonal high water elevi	entaminants to	Less than 50 feet 50 feet to 99 feet Greater than 100 feet		(20 points) (10 points) (0 points) 0
Wellhead Prof	1 private 1 less than 1,000	Yes No		(20 points) (0 points) 0
Distance to Su	DEST. 3	Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet		(20 points) (10 points) (0 points) 0
ponds, rivers, streams, cr canals and ditches		RANKING SCORE	(TOTAL POINTS):	0

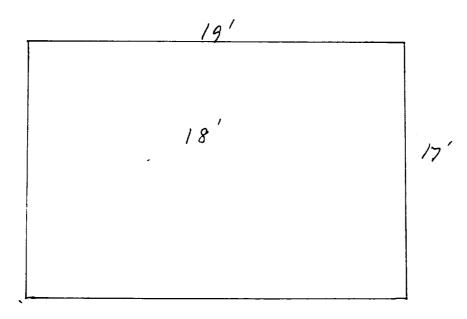
Date Remediation Started:	8/	14/97	Date Completed:	8/14/97
Remediation Method:	Excavation	х	Approx. Cubic Yard	215
Check all ppropriate	Landfarmed	X	Amount Landfarmed	(cubic yds)215
ections)	Other			
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite	X	Offsite	
Backfill Material Location:				
General Description of Rem	nedial Action:			
Excavated contaminated soil 12". Soil was aerated by ploy	to pit size of 19' ving until soil me	X 17' X 18' and lat regulatory levels	andfarmed soil onsite within a ber s.	med area at a depth of 6" to
Ground Water Encountered	d: No	<u>₹</u>	YesI	Depth
Final Pit Closure Sampling:	Sample Location	Pit botton	n.	
(if multiple samples, attach sample result and diagram of	Sample depth	18'		
sample locations and depths.)	Sample date	8/14/97	Sample time	2:30:00 PM
	Sample Results	3		
	Benzer	ne (ppm) <	0.0020	
	Total F	BTEX (ppm)	0.0570	
	Field he	eadspace (ppm)		
	TPH (ppm)	< 5.0	0 Method	8015A
Vertical Extent (ft)		Risk	Assessment form attached Y	es No
Ground Water Sample:	Yes	No	(If yes, see attache Summary Report)	d Groundwater Site
I HEREBY CERTIFY THA KNOWLEDGE AND MY E		1ATION ABOVE	E IS TRUE AND COMPLETE TO	THE BEST OF MY
DATE October 27, 19	97 luuM	Gen O.	AND TITLE	Denver Bearden Administrator III

Breech A # 181 Canlkins O:1 Sec. 10, 26N, 6W, L

8-14-97



End of excavation:





LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date: 22-Aug-97

Company: PNM Gas Services

COC No.:

5**96**3

Address:

603 W. Elm

Sample No.:

15806

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Breech A #181

Project Location:

9708141430; Bottom @ 18'

14-Aug-97 Time:

14:30

Sampled by: Analyzed by: GC HR/DC Date: Date:

21-Aug-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.: 0548-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
Diesel Range (C10 - C28)	ND	ppm	200	201	0.6	15%

Matrix Spike

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

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

Approved by:



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date: 21-Aug-97

Company: PNM Gas Services

COC No.:

5**96**3

Address:

603 W. Elm

Sample No.:

15806

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Breech A #181

Project Location:

9708141430; Bottom @ 18'

Date:

14-Aug-97 Time:

14:30

Sampled by: Analyzed by: GC HR

Date:

20-Aug-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		10	ug/kg	2	ug/kg
Ethylbenzene		7	ug/kg	2	ug/kg
m,p-Xylene		33	ug/kg	2	ug/kg
o-Xylene		7	ug/kg	2	ug/kg
	TOTAL	57	ug/kg		

ND - Not Detected at Limit of Quantitation

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



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date: 22-Aug-97

Company: PNM Gas Services

COC No.:

5**96**3

Address:

603 W. Elm

Sample No.:

15807

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Breech A #181

Project Location:

9708141500; Walls @ 15' GC

Date:

14-Aug-97 Time:

15:00

Sampled by: Analyzed by:

HR/DC

Date:

21-Aug-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.: 0548-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
Diesel Range (C10 - C28)	ND	ppm	200	201	0.6	15%

Matrix Spike

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

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

Approved by:



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date: 22-Aug-97

Company: PNM Gas Services

COC No.: Sample No.: 5**96**3

Address: 603 W. Elm

15807

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Breech A #181

Project Location:

9708141500; Walls @ 15'

Date:

14-Aug-97 Time:

15:00

Sampled by: Analyzed by: GC DC

Soil

Date:

21-Aug-97

Sample Matrix:

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		ND	ug/kg	2	ug/kg
m,p-Xylene		3	ug/kg	2	ug/kg
o-Xylene		ND	ug/kg	2	ug/kg
	TOTAL	5	ug/kg		

ND - Not Detected at Limit of Quantitation

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

9-2-97-0115

Breech A #181

Coulkins
(L) 10-26N-6W

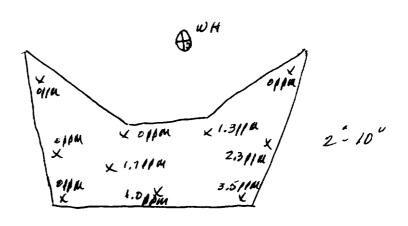
Rio arriba

Sample * 9709021115

Landform field head space - 0 pm









LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

9-Sep-97

Company: PNM Gas Services

COC No.:

5**65**7

Address:

603 W. Elm

Sample No.:

16025

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Breech A #181 Landfarm

Project Location:

9709021115; Composite Sample

RH

Date: Date: 2-Sep-97 Time:

8-Sep-97

11:15

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)	188	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	206	2.7	15%

Matrix Spike

тивих орис					
	1- Percent	2 - Percent			RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
Diesel Range (C10-C28)	95	85	(70-130)	10	20%

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

Approved by: Date: 1/9/97

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.:

5657

Address:

16025

City, State: Farmington, NM 87401

603 W. Elm

Sample No.: Job No.:

2-1000

Project Name:

PNM Gas Services - Breech A #181 Landfarm

Project Location:

9709021115; Composite Sample

Sampled by:

RH

Date: Date: 2-Sep-97 Time:

5-Sep-97

11:15

Analyzed by: Sample Matrix: DC Soil

Laboratory Analysis

		Results	Unit of	Limit of	Unit of
Parameter		as Received	Measure	Quantitation	Measure
Ponzono		ND	<i>a</i>		
Benzene		ND.	ug/kg	l l	ug/kg
Toluene		ND	ug/kg	1	ug/kg
Ethylbenzene		ND	ug/kg	1	ug/kg
m,p-Xylene		2	ug/kg	1	ug/kg
o-Xylene		ND	ug/kg	1	ug/kg
	TOTAL	2	ug/kg		

ND - Not Detected at Limit of Quantitation

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