DITERMY & FOUT P.O. BOX 1980, HOSS, NM DEPUTY OIL & GAS INSPECTOR

P.O. Drawer DD, Artesia. NM 88221

District III JUN 2 3 1998

1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

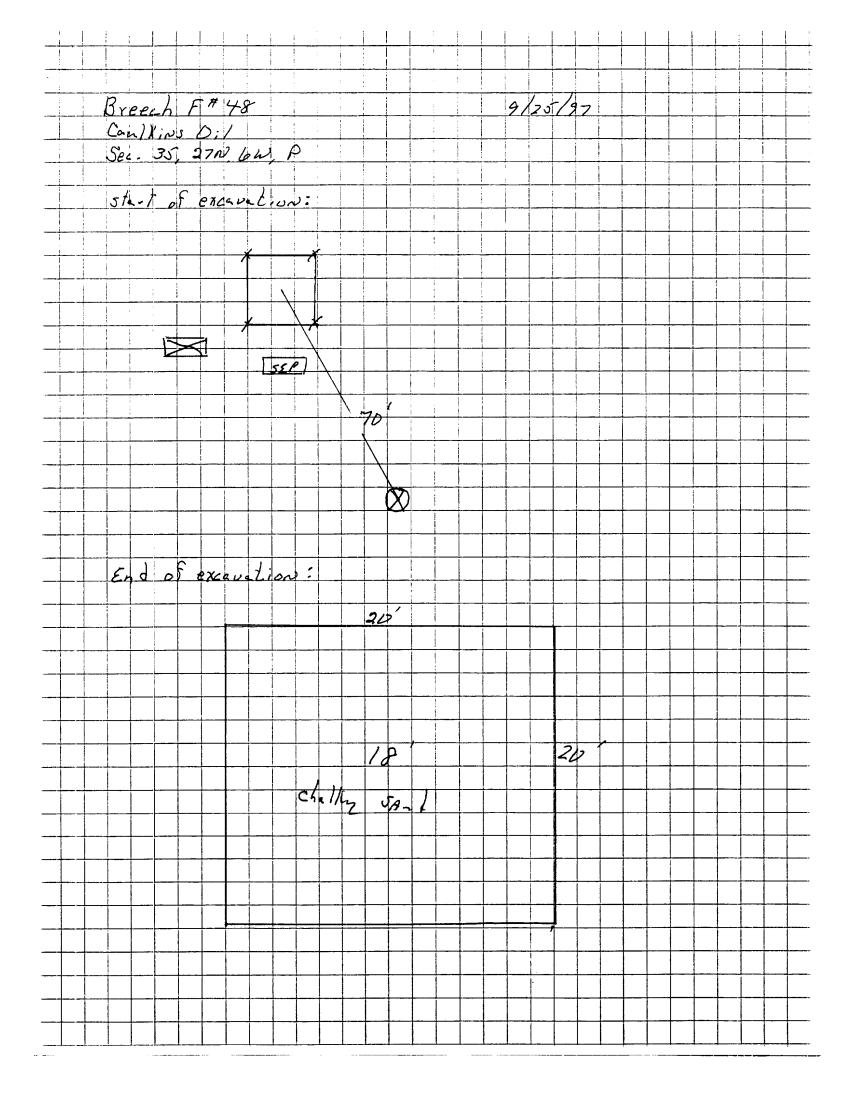
OIL CONSERVATION DIVISION

2040 South Pacheco Street Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Ga	s Services (C	aulkins) 7	Celephone:	324-3764	ļ		
Address:	603 W. Elm S	treet Farming	on, NM 8	7401					
Facility or W	ell Name: Bro	eech F #48							
Location:	Unit	Р	Sec _	<u>35</u> T	27 N	R <u>6 W</u>	County	Rio Arriba	
Pit Type:	Separator	<u> </u>	Dehydra	ator	Othe	r _			
Land Type:	BLM 👱	State		Fee	Othe	r _			
Pit Location:	Pit d	imensions:	length	20 '	width _	20 '	depth	3 '	_
(Attach diagram	m) Refe	rence: v	vellhead	<u> </u>	other _				
	Foota	ige from refere	nce:	70'					
	Direc	tion from refer	ence: <u>15</u>	Degrees		East	North	<u> </u>	
					Z	West	f South		
Depth to Grou	contaminants to				an 50 feet to 99 feet a 100 feet			(20 points) (10 points) (0 points)	0
seasonal high water elev water	ation of ground	OEC	EIVE	副					
Wellhead Pro	tection Area:	nn _{EEB}	- 3 1998	ש	Yes			(20 points)	
(Less than 200 feet from domestic water source, c feet from all other water	or, less than 1,000		DN. D 87. 3	OV.	No			(0 points)	0
Distance to Su			+ Mills (Mills ein, sjo z	Less th				(20 points) (10 points) (0 points)	0
(Horizontal distance to p ponds, rivers, streams, c canals and ditches					G SCORE	(TOTAL	POINTS) :		0

Breech F #48				
Date Remediation Started:	9/2	5/97	Date Completed:	9/25/97
Remediation Method:	Excavation	x	Approx. Cubic Yard	267
(Check all appropriate	Landfarmed	Х	Amount Landfarmed (cu	abic yds)
sections)	Remediation Started: 9/25/97			
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite	X	Offsite	
Backfill Material Location:				
Excavated contaminated soil	to pit size of 20'		ed soil onsite within a berme	ed area at a depth of 6" to
12". Soil was aerated by ploy	wing until soil met	regulatory levels.		
Ground Water Encountered	d: No	<u>▼</u> Yes	De	pth
Final Pit Closure Sampling:	Sample Location	n Bottom of excava	tion.	
(if multiple samples, attach sample result and diagram of	Sample depth	18'		
sample locations and depths.)	Sample date	9/25/97	Sample time	2:00:00 PM
	Sample Results			
	Benzene	e (ppm) < 0.500	00	
	Total B	TEX (ppm) 43	3.6430	
	Field hea	adspace (ppm)		
	TPH (ppm)			15A
Vertical Extent (ft)		Risk Assessn	nent form attached Yes	No 🗍
Ground Water Sample:	Yes	No V	(If yes, see attached Summary Report)	Groundwater Site
I HEREBY CERTIFY THA KNOWLEDGE AND MY E		ATION ABOVE IS TRU	E AND COMPLETE TO T	THE BEST OF MY
DATE January 27, 19	. 1. /	Beauden	AND TITE D	enver Bearden Iministrator III





LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

2-Oct-97

Company: PNM Gas Services

COC No.:

5809

Address:

603 W. Elm

Sample No.:

16327

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Breech F #48

Project Location:

9709251400; Bottom @ 18'

Date:

25-Sep-97 Time:

14:00

Sampled by: Analyzed by: GC HR/DC

Date:

1-Oct-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	334	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	202	1.2	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
Diesel Range (C10-C28)	102	92	(70-130)	10	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:

29-Sep-97

Company: PNM Gas Services

COC No.:

5809

Address:

Sample No.:

16327

603 W. Elm

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Breech F #48

Project Location:

9709251400; Bottom @ 18'

Sampled by:

GC

Date:

25-Sep-97 Time:

14:00

Analyzed by:

DC

Date:

26-Sep-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		ND	ug/kg	500	ug/kg
Toluene		5005	ug/kg	500	ug/kg
Ethylbenzene		3113	ug/kg	500	ug/kg
m,p-Xylene		25501	ug/kg	500	ug/kg
o-Xylene		10025	ug/kg	500	ug/kg
	TOTAL	43643	ug/kg		

ND - Not Detected at Limit of Quantitation

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

P.O. BOX 2606 • FARMINGTON, NM 87499



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

2-Oct-97

Company: PNM Gas Services

COC No.:

5809

Address:

603 W. Elm

Sample No.:

16328

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Breech F #48

Project Location:

9709251415; Walls @ 15'

Sampled by:

GC

Date:

25-Sep-97 Time:

14:15

Analyzed by:

HR/DC

Date:

1-Oct-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	202	1.2	15%

Matrix Snike

matrix opik	<u> </u>				
	1- Percent	2 - Percent			RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
Diesel Range (C10-C28)	102	92	(70-130)	10	20%

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

Approved by: Date: 10/2/97

P.O. BOX 2606 • FARMINGTON, NM 87499



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

29-Sep-97

Company: PNM Gas Services

COC No.:

5809

Address:

16328

603 W. Elm

Sample No.:

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Breech F #48

Project Location:

9709251415; Walls @ 15' GC

Date:

25-Sep-97 Time:

Sampled by: Analyzed by:

DC

Date:

26-Sep-97

14:15

Sample Matrix:

Soil

Laboratory Analysis

Parameter	· · · · · · · · · · · · · · · · · · ·	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
- didiliotor		as neceived	Wedsure	Coantitation	Measure
Benzene		1	ug/kg	1	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	3	ug/kg		

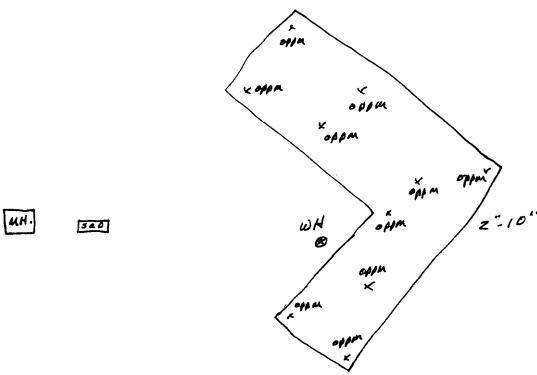
ND - Not Detected at Limit of Quantitation

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

Approved by: Date:

P.O. BOX 2606 • FARMINGTON, NM 87499

10-13-97 @ 1145 Breich F # 48 Coulkins (P) 35-27N-6W R'D Arriba Sample # 9710131145 Landfarm Lield Lead yall:





LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date: 17-Oct-97

Company: PNM Gas Services

COC No.:

5677

Address:

16585

City, State: Farmington, NM 87401

603 W. Elm

Sample No.: Job No.:

2-1000

PNM Gas Services - Breech F #48 Landfarm

Project Name: Project Location:

9710131145; Composite

RH

Date: Date:

13-Oct-97 Time:

11:45

Sampled by: Analyzed by:

DC/HR

14-Oct-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	185	8.0	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
Diesel Range (C10-C28)	87	87	(70-130)	0	20%

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

Approved by: Date: 10/17/97

P.O. BOX 2606 • FARMINGTON, NM 87499