District I P O Box 1980 Hobbs. NM

P O Drawer DD Artesia, NM 88221

District III  $\underset{\text{1000 Rio Brazos Rd}}{\text{MAR}} \underset{\text{Aztec. NM}}{\text{MAR}} \underset{\text{87410}}{\text{2}} 8 1897$ 

State of New Mexico Energy, Minerals and Natural Resources Department SUBMIT I COPY TO APPROPRIATE DISTRICT OFFICE AND I COPY TO SANTA FE OFFICE

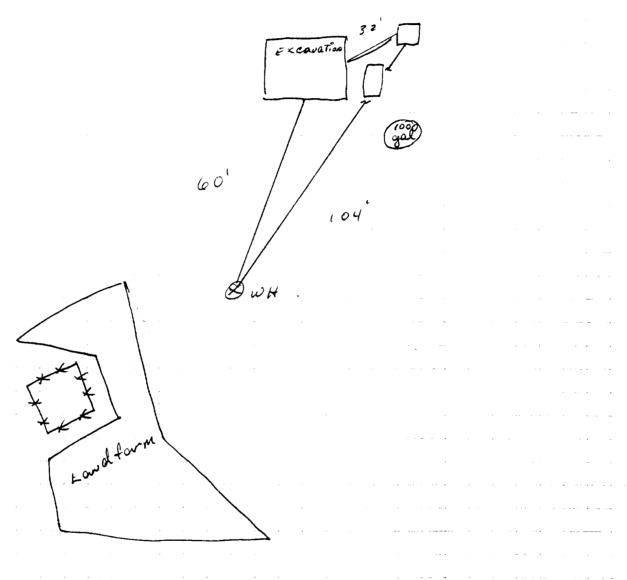
#### OIL CONSERVATION DIVISION

2040 South Pacheco Street Santa Fe, New Mexico 87505

# PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Ga	s Services (SRC	)Tele	phone:	324-3764			
Address:	603 W. Elm S	treet Farmington, NM 8	87401					
Facility or We	ell Name:Cai	n #13						
Location:	Unit: D	Sec	16 T	28 N	R. 10 W	County	San Juan	
Pit Type:	Separator -	<u>₹</u> Dehydi	rator	Othe	r			
Land Type:	BLM 💆	State	Fee	Othe	r			<del></del> -
Pit Location:	Pit di	mensions: length	10 '	width -	10 '	depth	3 '	
(Attach diagram	n) Refer	ence: wellhead	<u> </u>	other _				
	Footag	ge from reference: 60	)'		·			
	Direct	ion from reference: 20	Degrees	<u> </u>	East	North	₹.	
					of West	South		
Depth to Grou	nd Water:		Less than 50 feet to				(20 points)	
(Vertical distance from con seasonal high water elevat water		الأدامة الاستعارة المستعارة المستعارة	Greater than 10				(10 points) ( 0 points)	0
walci								
Wellhead Prote	ection Area:	UN JAN 2 4 1647		Yes			-20	
(Less than 200 feet from a domestic water source, or, feet from all other water so	less than 1,000	<b>011</b> 06 11 0 95.8		Yes No			(20 points) ( 0 points)	
Distance to Sur	rennial lakes,		Less than 200 feet to 1, Greater than 1,	000 feet			(20 points) (10 points) ( 0 points)	0
ponds, rivers, streams, cree canais and ditches	eks, irrigation		RANKING	SCORE	(TOTAL PO	OINTS):		0

Date Remediation Started:	9/3/96	Date Completed: 9/5/96
Remediation Method:	Excavation x	Approx. Cubic Yard 179
(Check al appropriate	Landfarmed X	Amount Landfarmed (cubic yds) 179
sections)	Other	
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite X	Offsite
Backfill Material Location:		
General Description of Ren	nedial Action:	
Excavated contaminated soil to aerated by plowing/disking until	pit size of 19'x17'x15' and landfarmed soil soil met regulatory levels.	onsite within a bermed area at a depth of 6" to 12". Soil was
Ground Water Encountere	d: No <u>Y</u>	Yes Depth
Final Pit Closure Sampling:	Sample Location 5 pt composite	e-4 side walls and center of pit bottom
(if multiple samples, attach sample result and diagram of	Sample depth 15'	
sample locations and depths.)	Sample date 9/3/96	Sample time 10:40:00 AM
	Sample Results	
	Benzene (ppm) <	0.0002
	Total BTEX (ppm)	6.5963
	Field headspace (ppm)	
	TPH24.5	Method 8015A
Vertical Extent (ft)	Risk As	sessment form attached Yes No
Ground Water Sample:	Yes No	(If yes, attach sample results)
I HEREBY CERTIFY THA KNOWLEDGE AND MY		TRUE AND COMPLETE TO THE BEST OF MY
DATE January 22, SIGNATURE	1997 ur Bearden Al	RINTED NAME Denver Bearden  ND TITLE Administrator III



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LAB: (505) 325-1556

# Diesel Range Organics

Attn:

Denver Bearden

Date:

10-Sep-96

Company: PNM Gas Services

COC No.:

4744

Address:

603 W. Elm

Sample No.

12034

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Sevices - Cain #13

**Project Location:** 

9609031040; Pit Excavation Composite Sample Date:

3-Sep-96 Time:

10:40

Sampled by: Analyzed by: GC DC

Date:

9-Sep-96

Sample Matrix:

Soil

## Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Diesel Range Organics (C10 - C28)	24.5	mg/kg	5.0	mg/kg

## Quality Assurance Report

DRO QC No.:

0489-QC

#### Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	<5.0	ppm	100	109	9.0	15%

#### Matrix Spike

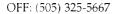
	1- Percent	2 - Percent			
Parameter	Recovered	Recovered	Limit	%RSD	Limit
					,
Diesel Range (C10-C28)	98	114	(70-130)	11	20%

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

Approved by:

P.O. BOX 2606 • FARMINGTON, NM 87499

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LAB: (505) 325-1556

## AROMATIC VOLATILE ORGANICS

Attn: Denver Bearden Date:

10-Sep-96

Company: PNM Gas Services

COC No.:

4744

Address:

603 W. Elm

Sample No.

12034

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Sevices - Cain #13

**Project Location:** 

9609031040; Pit Excavation Composite Sample

Date:

3-Sep-96 Time:

10:40

Sampled by: Analyzed by: GC DC

Date:

9-Sep-96

Sample Matrix:

Soil

### Laboratory Analysis

_			Unit of	Detection	Unit of
Parameter		Result	Measure	Limit	Measure
Benzene		<0.2	ug/ <b>k</b> g	0.2	ug/kg
Toluene		55.2	ug/kg	0.2	ug/kg
Ethylbenzene		464.1	ug/kg	0.2	ug/ <b>kg</b>
m,p-Xylene		4426.7	ug/kg	0.2	ug/kg
o-Xylene		1650.3	ug/kg	0.2	ug/ <b>kg</b>
	TOTAL	6596.3	ug/kg		

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

Approved by: ) (
Date: 9/10/96

Cain # 13 Meridian Oil Sec. 16, 28N, 10W

10-1-96

LANd Farm: ON location

Composite sample # 96 10011230 6 pt. comp.

Soil vapor head space PIO reading = 5.9 pm

. 30 · 20 . 20 · 20 . ⊗

2"-12" depth

OFF: (505) 325-5667



LAB: (505) 325-1556

## Diesel Range Organics

Attn:

Denver Bearden

Date:

3-Oct-96

Company: PNM Gas Services

COC No.:

5078

Address:

603 W. Elm

Sample No.

12402

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Services - Cain #13 Landfarm

Project Location:

9610011230; 6pt. Composite, 2"-12" depth

Date:

1-Oct-96 Time:

12:30

Sampled by: Analyzed by: GÇ DC/HR

Date:

3-Oct-96

Sample Matrix:

Soil

## Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Diesel Range Organics (C10 - C28)	<5.0	mg/kg	5.0	mg/kg

#### Quality Assurance Report

DRO QC No.:

0489-QC

#### Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	< 5.0	ppm	100	110	9.9	15%

Matrix Snike

	1- Percent	2 - Percent			
Parameter	Recovered	Recovered	Limit	%RSD	Limit
Diesel Range (C10-C28)	99	100	(70-130)	1	20%

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

Approved by: Date:

P.O. BOX 2606 • FARMINGTON, NM 87499

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