District I

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

District I P O. Box 1980, Hobbs, NM
District II
P O. Brewer DD. Artesia, NM 88221

Dist**cd III** 1000 Rio Brazos Rd, Aztec. NM 87410

#### OIL CONSERVATION DIVISION

2040 South Pacheco Street

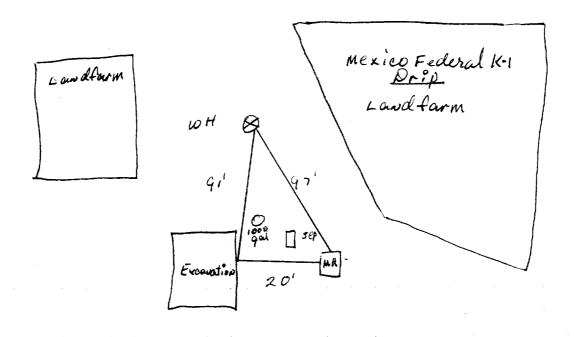
Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Gas Services ( Four Star	) Telephone: 324-3764	
Address:	603 W. Elm Street Farmington, NM 87	401	
Facility or W	ell Name: Mexico Federal S #1		<del></del>
Location:	Unit: O Sec.	9 T. 28 N R. 10 W County San Ju	an
Pit Type:	Separator  Dehydrat	or Other	
Land Type:	BLM State	Fee Other	
Pit Location:	Pit dimensions: length	18 width 18 depth 4	
(Attach diagran	m) Reference: wellhead	other	
	Footage from reference: 91'	-	
	Direction from reference: 5	Degrees East North	į
		of  West South	
Depth to Gro	und Water:	50 feet to 99 feet (10 pc	oints)
(Vertical distance from o seasonal high water elev water		Greater than 100 feet (0 p	oints) 0
Wellhead Pro	M IAN 2 4 1997		
(Less than 200 feet from domestic water source, of feet from all other water	a private or, less than 1,000		points) 0
Distance to St	perennial lakes,	200 feet to 1,000 feet (10 p	ooints) ooints) oints)0
ponds, tivers, streams, c canals and ditches	icens, iligation	RANKING SCORE (TOTAL POINTS):	0

Date Remediation Started:	9/5/96	Date Completed: 9/6/96	
Remediation Method:	Excavation	X Approx. Cubic Yard 170	
Check all appropriate	Landfarmed	X Amount Landfarmed (cubic yds) 170	
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:		_
-		a'and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerat	ted
by plowing/disking until soil met	regulatory levels.		
			_
Ground Water Encountere	d: No	Yes Depth	
Final Pit Closure Sampling:	Sample Location	on 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	15'	•
sample locations and depths.)	Sample date	9/5/96 Sample time 9:15:00 AM	
	Sample Result	is ————————————————————————————————————	
	Benze	ene (ppm) < 0.0002	
	Total 1	BTEX (ppm) 0.2333	
	Field h	neadspace (ppm)	
	ТРН	< 5.0 Method 8015A	
Vertical Extent (ft)		Risk Assessment form attached Yes No	<u>-</u>
Ground Water Sample:	Yes	No (If yes, attach sample results)	
I HEREBY CERTIFY THA KNOWLEDGE AND MY		MATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY	
DATE January 22, SIGNATURE	1997 wuBea	PRINTED NAME Denver Bearden AND TITLE Administrator III	





OFF: (505) 325-5667



LAB: (505) 325-1556

# Diesel Range Organics

Attn:

Denver Bearden

Date:

10-Sep-96

Company: PNM Gas Services

COC No.:

4746

Address:

603 W. Elm

Sample No.

12035

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Sevices - Mexico Federal S-1

**Project Location:** 

9609050915; Pit Excavation Composite Sample Date:

Sampled by:

RH

Date:

5-Sep-96 Time: 9-Sep-96

9:15

Analyzed by: Sample Matrix: DC 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

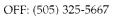
Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	<5.0	ppm	100	109	9.0	15%

Matrix Spike

- moon opine					
	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: Date:





LAB: (505) 325-1556

# AROMATIC VOLATILE ORGANICS

Attn: Denver Bearden Date:

10-Sep-96

Company: PNM Gas Services

COC No.:

4746

603 W. Elm Address:

Sample No.: Job No.:

12035 2-1000

City, State: Farmington, NM 87401

PNM Gas Sevices - Mexico Federal S-1

**Project Name: Project Location:** 

9609050915; Pit Excavation Composite Sample

Sampled by:

RH

Date:

5-Sep-96 Time:

9:15

Analyzed by:

DC

Date:

5-Sep-96

Sample Matrix: Soil

## Laboratory Analysis

Parameter			Unit of	Detection	Unit of Measure	
		Result	Measure	Limit		
Benzene		< 0.2	ug/ <b>kg</b>	0.2	ug/kg	
Toluene		7.1	ug/kg	0.2	ug/ <b>k</b> g	
Ethylbenzene		<0.2	ug/kg	0.2	ug/ <b>kg</b>	
m,p-Xylene		126.6	ug/kg	0.2	ug/ <b>kg</b>	
o-Xylene		99.6	ug/kg	0.2	ug/kg	
	TOTAL	233.3	ug/ <b>kg</b>			

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

Approved by: a //
Date: 9/10/96

Mexico Federal 5#1 Four Star Sec. 33, 29N, 10N

10-1-96

LAnd form: On location composite sample # 9610011125 soil vapor head space PIO reading = 6.6

6pt. comp.

·30 4 ·20

2"-12" depth

 $\otimes$ 

OFF: (505) 325-5667



LAB: (505) 325-1556

# Diesel Range Organics

Attn:

Denver Bearden

Date:

3-Oct-96

Company: PNM Gas Services

COC No.:

5045

Address:

603 W. Elm

Sample No.

12406

2-1000

City, State: Farmington, NM 87401

Job No.

Project Name: **Project Location:**  PNM Gas Services - Mexico Federal S #1 Landfarm

9610011125; 6pt. Composite, 2"-12" depth

Sampled by:

GC DC/HR Date: Date:

3-Oct-96

1-Oct-96 Time:

11:25

Analyzed by: 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	112	12.0	15%

Matrix Spike

matrix opik	<del></del>					
	1- Percent	2 - Percent			Limit	
Parameter	Recovered	Recovered	Limit	%RSD		
Diesel Range (C10-C28)	112	103	(70-130)	6	20%	

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

Approved by: