P O. Bo **VIL & GAS INSPECTOR** District II P O. Drawer DD. Artesia, NM 88221 F EB 2 8 1997

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

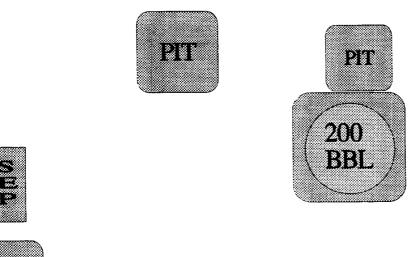
2040 South Pacheco Street Santa Fe. New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Gas Services (Amoco) Telephone: 324-3764
Address:	603 W. Elm Street Farmington, NM 87	7401
Facility or W	Vell Name: Mansfield #1	
Location:	Unit: P Sec.	19 T. 30 N R. 9 W County San Juan
Pit Type:	Separator Dehydra	ator 🗸 Other
Land Type:	BLM State	Fee Other
Pit Location:	Pit dimensions: length	24 width 24 depth 4
(Attach diagra	m) Reference: wellhead	other
	Footage from reference: 65	1
	Direction from reference: 30	Degrees East North 👱
		of ✓ West South
Depth to Gro (Vertical distance from seasonal high water elevater	contaminants to	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)
Wellhead Pro	otection Area:	Yes (20 points) No (0 points)
(Less than 200 feet fror domestic water source, feet from all other wate	or; less than 1,000	
Distance to S (Horizontal distance to ponds, rivers, streams,		Less than 200 feet (20 points) 200 feet to 1,000 feet (10 points) Greater than 1,000 feet (0 points)
canals and ditches		RANKING SCORE (TOTAL POINTS):

Date Remediation Started:	7/8/96		Date Completed:	7/11/96
Remediation Method:	Excavation	<u>x</u>	Approx. Cubic Yard	207
(Check all appropriate	Landfarmed	X	Amount Landfarmed (cubic	yds) _197
sections)	Other			
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite	<u>x</u>	Offsite	
Backfill Material Location:				
General Description of Ren	nedial Action:			
			within a bermed area at a depth o	f 6" to 12". Soil was
aerated by plowing/disking until				
Ground Water Encountere	d: No	Yes	Depth	
Final Pit Closure Sampling:	Sample Location	5 pt. composite-4 side	e walls and center of pit bottom	
(if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample depth	14'		
sample locations and depuis.)	Sample date	7/9/96	Sample time	11:00:00 AM
	Sample Results			
	Benzer	ne (ppm) 0	.0153	
	Total F	BTEX (ppm)	1.3798	
		eadspace (ppm)		
			20454	
W - 1 - 1 - 1 - (0)	ТРН	< 5.00	Method 8015A	
Vertical Extent (ft)		- Risk Assessm	ent form attached Yes	No 🗸
Ground Water Sample:	Yes	─ No <u>✓</u>	(If yes, attach	sample results)
I HEREBY CERTIFY THA KNOWLEDGE AND MY		IATION ABOVE IS TRUI	E AND COMPLETE TO THE	E BEST OF MY
DATE October 25, SIGNATURE	1996 Le Harron	PRINTE AND TI	D NAME Maureen Gannon TLE Environmental Er	gineer

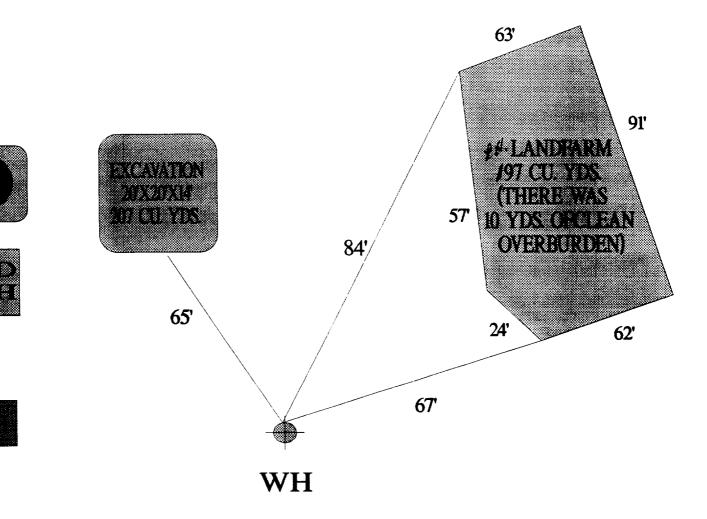
MANSFIELD #1 EXCAVATION 07/10/96







PIT



OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn:

Denver Bearden

Date:

12-Jul-96

Company: PNM Gas Services

COC No.:

4728

Address:

603 W. Elm

Sample No.

11478

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Services - Mansfield #1

Project Location:

9607091100; Pit Excavation Composite Sample

Date:

9-Jul-96 Time:

Sampled by: Analyzed by: RH DC

Date:

12-Jul-96

11:00

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.:

0475-QC

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	<5.0	ppm	2,000	1,832	8.4	15%

Matrix Spike

matrix opine								
	1- Percent	2 - Percent						
Parameter	Recovered	Recovered	Limit	%RSD	Limit			
Diesel Range (C10-C28)	114	104	(70-130)	7	20%			

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

Approved by:

P.O. BOX 2606 • FARMINGTON, NM 87499

OFF: (505) 325-5667



LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:

Denver Bearden

Date:

12-Jul-96

Company: PNM Gas Services

COC No.:

4728

Address:

Sample No.

11478

City, State: Farmington, NM 87401

603 W. Elm

Job No.

2-1000

Project Name:

PNM Gas Services - Mansfield #1

Project Location:

9607091100; Pit Excavation Composite Sample

Date:

9-Jul-96 Time:

11:00

Sampled by: Analyzed by: RH DC

Date:

12-Jul-96

Sample Matrix:

Soil

Aromatic Volatile Organics

Component		Result	Units of Measure	Detection Limit	Units of Measure
Benzene		15.3	ug/ kg	0.2	ug/ k g
Toluene		192.5	ug/kg	0.2	ug/kg
Ethylbenzene		73.6	ug/kg	0.2	ug/kg
m,p-Xylene		777.5	ug/kg	0.2	ug/kg
o-Xylene		320.9	ug/kg	0.2	ug/ k g
	TOTAL	1379.8	ug/kg		

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

Approved by:
Date: 7/h/96

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	3.1	4.2	<u> </u>	24-,	12" dpth	
!	2.9	3.1				
:				~		
				ω/		
:						

OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn:

Denver Bearden

Date:

5-Sep-96

Company: PNM Gas Services

COC No.:

4986

11977

Address:

603 W. Elm

Sample No.

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Sevices - Mansfield #1 Landfarm

Project Location:

9609031455; 6pt. Composite, 2"-12" depth

Date:

3-Sep-96 Time:

Sampled by: Analyzed by: GC DC

Date:

5-Sep-96

14:55

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Diesel Range Organics (C10 - C28)	13.4	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	101	0.7	15%

Matrix Snike

much opin	<u>, </u>				,
	1- Percent	2 - Percent			
Parameter	Recovered	Recovered	Limit	%RSD	Limit
					E
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: 9/6/56

P.O. BOX 2606 • FARMINGTON, NM 87499