District I
P O. Box 198 DEPUTY OIL & GAS INSPECTOR
Energy, Minerals and Natural Resources Department

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

District II P O Drawer DD, Artesia, NMF823 2 8 1997 District 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

\$					<u> </u>
Operator: P	NM Gas Services (Amoco	Telephone:	324-3764		
Address: 603 W	. Elm Street Farmington, NM	87401			
Facility or Well Nam	e: Florance #2A				
Location: Unit:	O Sec.		9 W County	San Juan	
Pit Type: Sepa	arator Dehy	drator 🗸 Other			
Land Type: BLM	1 <u>v</u> State	Fee Other	<u></u>		
Pit Location:	Pit dimensions: length	18 ' width 1	8 depth	4 '	
(Attach diagram)	Reference: wellhead	other			
	Footage from reference:	78'		·	
	Direction from reference:	Degrees Z	Cast North	·-	
		V	of Vest South	<u> </u>	
Depth to Ground Wa (Vertical distance from contaminants seasonal high water elevation of grouwater	s to	Less than 50 feet 50 feet to 99 feet Greater than 100 feet		(20 points) (10 points) (0 points)	0
Wellhead Protection (Less than 200 feet from a private domestic water source, or, less than feet from all other water sources)		Yes No		(20 points) (0 points)	0
Distance to Surface (Horizontal distance to perennial lake	ces,	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, creeks, irriga canals and ditches	uton	RANKING SCORE	(TOTAL POINTS)	:	0

Date Remediation Started:	7/11/96	Date Completed: 7/12/96
Remediation Method:	Excavation	X Approx. Cubic Yard 388
(Check all appropriate sections)	Landfarmed	X Amount Landfarmed (cubic yds) 388
	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	pit size 24'x23'x19'	and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerated
by plowing/disking until soil met	regulatory levels.	
Ground Water Encountere	ed: No	Yes Depth
Final Pit Closure Sampling:	Sample Location	on 5 pt. composite-4 side walls and center
(if multiple samples, attach sample result and diagram of	Sample depth	19'
sample locations and depths.)	Sample date	7/12/96 Sample time 10:30:00 AM
	Sample Result	s
	Benze	ne (ppm) 0.5571
	Total !	BTEX (ppm) 49.5235
	Field h	neadspace (ppm)
	ТРН	309.30 Method 8015A
Vertical Extent (ft)		Risk Assessment form attached Yes No
, ,		-
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 October 25, SIGNATURE	$\triangle u$	PRINTED NAME Maureen Gannon AND TITLE Environmental Engineer

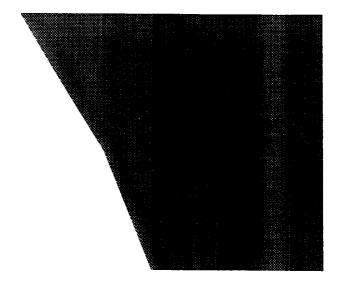
FLORANCE #2A EXCAVATION 07/12/96































OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn:

Denver Bearden

Date:

17-Jul-96

Company: PNM Gas Services

COC No .:

4757

Address:

Sample No.

11492

City, State: Farmington, NM 87401

603 W. Elm

2-1000

Job No.

Project Name: **Project Location:** PNM Gas Services - Florance 2A Pit

Sampled by:

9607121030; 5pt. Composite, 19' BS

Date:

12-Jul-96 Time:

10:30

Analyzed by:

MS DC/HR

Date:

16-Jul-96

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Diesel Range Organics (C10 - C28)	309.3	mg/kg	5.0	mg/kg

Quality Assurance Report

DRO QC No.:

0475-QC

Calibration Check

John Comment of the C							
	Method	Unit of	True	Analyzed			
Parameter	Blank	Measure	Value	Value	% Diff	Limit	
Diesel Range (C10 - C28)	<5.0	ppm	2,000	1,861	6.9	15%	

Matrix Snike

media opino					
	1- Percent	2 - Percent			
Parameter	Recovered	Recovered	Limit	%RSD	Limit
Diesel Range (C10-C28)	107	106	(70-130)	0	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:

17-Jul-96

Company: PNM Gas Services

COC No.:

4757

Address:

Sample No.

11492

603 W. Elm

Job No.

2-1000

City, State: Farmington, NM 87401

PNM Gas Services - Florance 2A Pit

Project Name: **Project Location:**

9607121030; 5pt. Composite, 19' BS

Date:

12-Jul-96 Time:

10:30

Sampled by: Analyzed by: MS HR

Date:

16-Jul-96

Sample Matrix:

Soil

Aromatic Volatile Organics

Component		Result	Units of Measure	Detection Limit	Units of Measure
Benzene		557.1	ug/kg	0.2	ug/kg
Toluene		7805.6	ug/kg	0.2	ug/kg
Ethylbenzene		3337.7	ug/kg	0.2	ug/kg
m,p-Xylene		30554.2	ug/kg	0.2	ug/kg
o-Xylene		7269.0	ug/kg	0.2	ug/kg
	TOTAL	49523.5	ug/kg		

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

Approved by: Date: 7 /15/56

Am	vance # 2A DCO . 20, 30 N, 9 W		9-3-96
		ocetion 388 y d	s. by s. comp.
	Soil Vapor Hend	5p.ce = 11.6 ppm	(PID)
		3.1 3.8	
	Ø	3.5 3.4	

OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

 Attn:
 Denver Bearden
 Date:
 5-Sep-96

 Company:
 PNM Gas Services
 COC No.:
 4985

 Address:
 603 W. Elm
 Sample No.
 11976

 City, State:
 Farmington, NM 87401
 Job No.
 2-1000

Project Name:

PNM Gas Sevices - Florance #2A Landfarm

Project Location:

9609031440; 6pt. Composite, 2"-12" depth

Sampled by:

GC

Date:

3-Sep-96 Time:

14:40

Analyzed by:

DC

Date:

5-Sep-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	101	0.7	15%

Matrix Spike

	1- Percent	2 - Percent			
Parameter	Recovered	Recovered	Limit	%RSD	Limit
	Ì				ļ
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: 9/6/90