

P O. Box 1980, Hobbs, NM

District II
P O Drawer DD, Artesia, NM 88224

District III
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

RECEIVED
OCT 31 1996

CH. 100.1. DIST.
CAMP 3

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Amoco)		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: Florance #16A			
Location:	Unit: P	Sec. 6	T. 30 N R. 9 W County San Juan
Pit Type:	Separator	Dehydrator	Other
Land Type:	BLM	State	Fee Other
Pit Location:	Pit dimensions:	length 20	width 20 depth 4
(Attach diagram)	Reference:	wellhead	other
	Footage from reference:	110'	
	Direction from reference:	20 Degrees	East North
		West South	
Depth to Ground Water:		Less than 50 feet	(20 points)
		50 feet to 99 feet	(10 points)
		Greater than 100 feet	(0 points)
(Vertical distance from contaminants to seasonal high water elevation of ground water)			0
Wellhead Protection Area:		Yes	(20 points)
		No	(0 points)
(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)			0
Distance to Surface Water:		Less than 200 feet	(20 points)
		200 feet to 1,000 feet	(10 points)
		Greater than 1,000 feet	(0 points)
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)			0
RANKING SCORE (TOTAL POINTS):			0

Date Remediation Started: 6/21/96 **Date Completed:** 6/26/96

Remediation Method: Excavation X Approx. Cubic Yard 348

(Check all appropriate sections) Landfarmed X Amount Landfarmed (cubic yds) 348

Other _____

Remediation Location: Onsite 241 yds Offsite Florance #99 (P&A) 6-30N-9W - 107 yds

(i.e., landfarmed onsite, name and location of offsite facility)

Backfill Material Location: _____

General Description of Remedial Action:

Excavated contaminated soil to pit size of 28'x42'x8' and landfarmed soil onsite/offsite within a bermed area at a depth of 6" to 12". Soil was aerated by plowing/disking until soil met regulatory levels.

Ground Water Encountered: No ☒ Yes ☐ Depth _____

Final Pit Closure Sampling:

Sample Location 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 8'

Sample date 6/24/96 Sample time 1:30:00 PM

Sample Results

Benzene (ppm) 0.1206

Total BTEX (ppm) 8.3783

Field headspace (ppm) _____

TPH 145.40 Method 8015A

Vertical Extent (ft) _____ Risk Assessment form attached Yes ☐ No ☒

Ground Water Sample: Yes ☐ No ☒ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

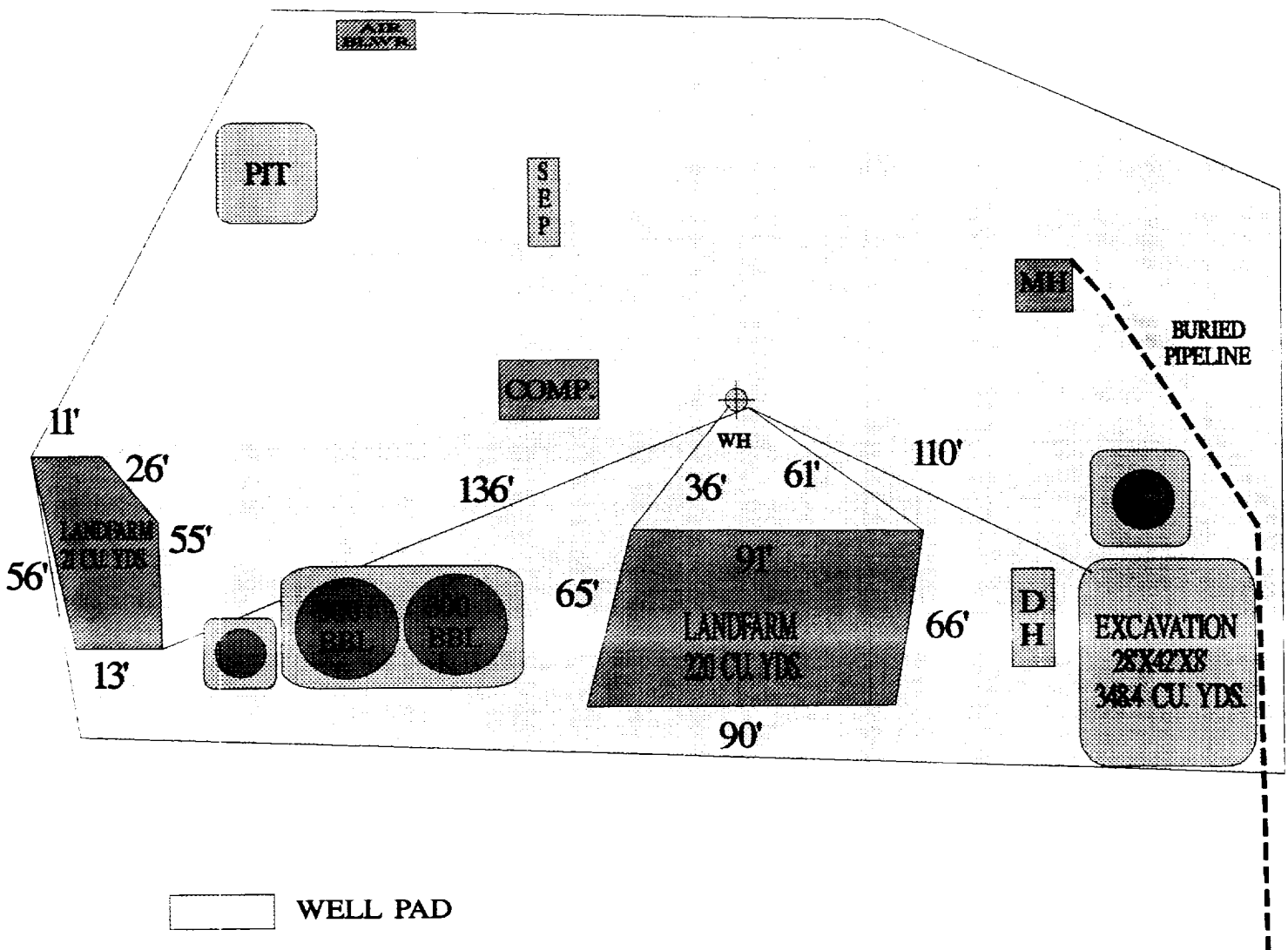
DATE October 25, 1996

SIGNATURE Maureen Gannon

PRINTED NAME Maureen Gannon
AND TITLE Environmental Engineer

FLORANCE #16A EXCAVATION

06/26/96



OFF: (505) 325-8786



LAB: (505) 325-5667

Diesel Range Organics

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *26-Jun-96*
COC No.: *4718*
Sample No. *11285*
Job No. *2-1000*

Project Name: ***PNM Gas Services - Florance #16A***
Project Location: ***9606241330; Pit Excavation Composite Sample***
Sampled by: *RH* Date: *24-Jun-96* Time: *13:30*
Analyzed by: *DC* Date: *25-Jun-96*
Sample Matrix: *Soil*

Laboratory Analysis

<i>Parameter</i>	<i>Result</i>	<i>Unit of Measure</i>	<i>Detection Limit</i>	<i>Unit of Measure</i>
<i>Diesel Range Organics (C10 - C28)</i>	<i>145.4</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

DRO QC No.: 0475-QC

Calibration Check

<i>Parameter</i>	<i>Method Blank</i>	<i>Unit of Measure</i>	<i>True Value</i>	<i>Analyzed Value</i>	<i>% Diff</i>	<i>Limit</i>
<i>Diesel Range (C10 - C28)</i>	<i><5.0</i>	<i>ppm</i>	<i>2,000</i>	<i>1,898</i>	<i>5.1</i>	<i>15%</i>

Matrix Spike

<i>Parameter</i>	<i>1- Percent Recovered</i>	<i>2 - Percent Recovered</i>	<i>Limit</i>	<i>%RSD</i>	<i>Limit</i>
<i>Diesel Range (C10-C28)</i>	<i>103</i>	<i>94</i>	<i>(70-130)</i>	<i>6</i>	<i>20%</i>

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

Approved by: *[Signature]*
Date: *6/26/96*

P. O. BOX 2606 • FARMINGTON, NM 87499

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OFF: (505) 325-8786



LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *26-Jun-96*
COC No.: *4718*
Sample No. *11285*
Job No. *2-1000*

Project Name: *PNM Gas Services - Florance #16A*
Project Location: *9606241330; Pit Excavation Composite Sample*
Sampled by: *RH* Date: *24-Jun-96* Time: *13:30*
Analyzed by: *DC* Date: *25-Jun-96*
Sample Matrix: *Soil*

Aromatic Volatile Organics

Component	Result	Units of Measure	Detection Limit	Units of Measure
<i>Benzene</i>	<i>120.6</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>292.0</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>494.1</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>7088.5</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>383.0</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
	<i>TOTAL</i>	<i>8378.3</i>		<i>ug/kg</i>

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

Approved by: *Ja4*
Date: *6/26/96*

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Florance 16A
Amoco
Sec. 06-30N-09W

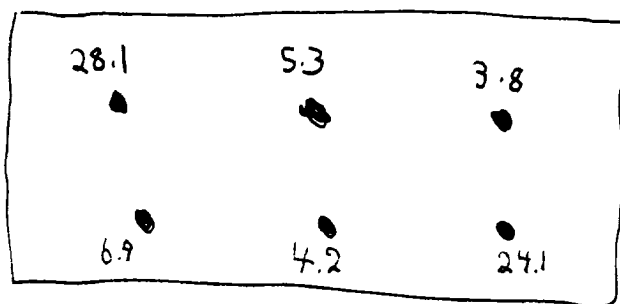
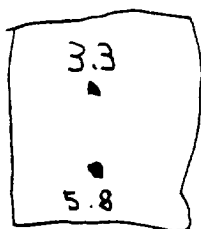
July 30, 1996

Land Farm: On Location
204 Yards

Composite Sample #: 9607311625

Soil Vapor Head-Space Reading = 49.1 ppm (PID)

Sample depths between 2" and 12"



OFF: (505) 325-3667



LAB: (505) 325-1556

Diesel Range Organics

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *2-Aug-96*
COC No.: *4932*
Sample No. *11640*
Job No. *2-1000*

Project Name: *PNM Gas Services - Florance 16A Landfarm*
Project Location: *9607301625; 8pt. Composite, 2-12" depth*
Sampled by: *GC* Date: *30-Jul-96* Time: *16:25*
Analyzed by: *DC/HR* Date: *31-Jul-96*
Sample Matrix: *Soil*

Laboratory Analysis

<i>Parameter</i>	<i>Result</i>	<i>Unit of Measure</i>	<i>Detection Limit</i>	<i>Unit of Measure</i>
<i>Diesel Range Organics (C10 - C28)</i>	<i>88.4</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

DRO QC No.: 0479-QC

Calibration Check

<i>Parameter</i>	<i>Method Blank</i>	<i>Unit of Measure</i>	<i>True Value</i>	<i>Analyzed Value</i>	<i>% Diff</i>	<i>Limit</i>
<i>Diesel Range (C10 - C28)</i>	<i><5.0</i>	<i>ppm</i>	<i>2,000</i>	<i>1,883</i>	<i>5.8</i>	<i>15%</i>

Matrix Spike

<i>Parameter</i>	<i>1 - Percent Recovered</i>	<i>2 - Percent Recovered</i>	<i>Limit</i>	<i>%RSD</i>	<i>Limit</i>
<i>Diesel Range (C10-C28)</i>	<i>109</i>	<i>99</i>	<i>(70-130)</i>	<i>7</i>	<i>20%</i>

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

Approved by: *Ja4*
Date: *8/2/96*

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