

Denny E. Faust
District I
P O. Box 1980, Hobbs, NM
DEPUTY OIL & GAS INSPECTOR
District II
P O. Drawer DD, Artesia, NM 88221
District III
1000 Rio Brazos Rd, Aztec, NM 87410
FEB 28 1997

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

RECEIVED
OCT 31 1996

OIL CON. DIV.
DIST. 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 AC #3

Location: Unit: M Sec. 22 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 18 width 18 depth 4

(Attach diagram) Reference: wellhead ☒ other

Footage from reference: 210'

Direction from reference: 30 Degrees ☒ East North ☒
of
☐ 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)	<u>0</u>
<small>(Vertical distance from contaminants to seasonal high water elevation of ground water)</small>			
Wellhead Protection Area:	Yes	(20 points)	
	No	(0 points)	<u>0</u>
<small>(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)</small>			
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)	<u>0</u>
<small>(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)</small>			
RANKING SCORE (TOTAL POINTS):			<u>0</u>

Date Remediation Started: <u>6/16/96</u>		Date Completed: <u>6/17/96</u>	
Remediation Method: (Check all appropriate sections)	Excavation <u>X</u>	Approx. Cubic Yard	<u>253</u>
	Landfarmed <u>X</u>	Amount Landfarmed (cubic yds)	<u>213</u>
	Other _____		
Remediation Location: Onsite <u>X</u>		Offsite _____	
(i.e., landfarmed onsite, name and location of offsite facility)			
Backfill Material Location: _____			
General Description of Remedial Action:			
<u>Excavated contaminated soil to a pit size of 20'x20'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.</u>			

Ground Water Encountered: No <u><input checked="" type="checkbox"/></u> Yes _____ Depth _____			

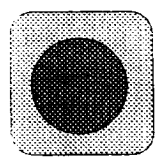
Final Pit Closure Sampling: (if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample Location	<u>5 pt. composite-4 side walls and center of pit bottom</u>		
	Sample depth	<u>19'</u>		
	Sample date	<u>6/14/96</u>	Sample time	<u>11:45:00 AM</u>
	Sample Results			
	Benzene (ppm) <u>0.0555</u>			
Total BTEX (ppm) <u>5.8532</u>				
Field headspace (ppm) _____				
TPH <u>< 5.00</u> Method <u>8015A</u>				
Vertical Extent (ft) _____		Risk Assessment form attached Yes <u><input type="checkbox"/></u> No <u><input checked="" type="checkbox"/></u>		
Ground Water Sample: Yes <u><input type="checkbox"/></u> No <u><input checked="" type="checkbox"/></u>		(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

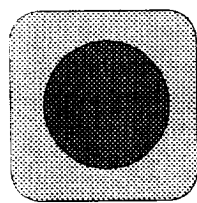
DATE <u>October 25, 1996</u>	PRINTED NAME <u>Maureen Gannon</u>
SIGNATURE <u>Maureen Gannon</u>	AND TITLE <u>Environmental Engineer</u>



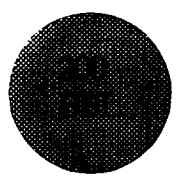
MH



D
H



EXCAVATION
20'X18'X19'
2533 CU. YDS



S
E
P

COMP.

189'

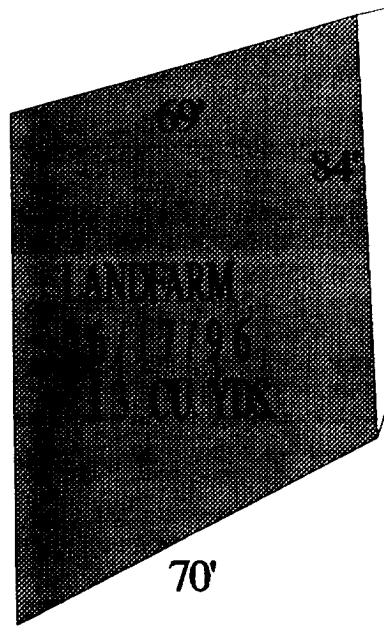
40'



WH

101'

100'



70'

FLORANCE AC #3 EXCAVATION
06/17/96

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: *17-Jun-96*
 COC No.: *4712*
 Sample No. *11196*
 Job No. *2-1000*

Project Name: *PNM Gas Services - Florance AC #3*
 Project Location: *9606141145; Pit Excavation Composite*
 Sampled by: *RH* Date: *14-Jun-96* Time: *11:45*
 Analyzed by: *DC* Date: *17-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><5.0</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance ReportDRO 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>1,918</i>	<i>4.1</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>98</i>	<i>102</i>	<i>(70-130)</i>	<i>3</i>	<i>20%</i>

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

Approved by: *JaG*
 Date: *6/17/96*

P. O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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: *17-Jun-96*
COC No.: *4712*
Sample No. *11196*
Job No. *2-1000*

Project Name: *PNM Gas Services - Florance AC #3*
Project Location: *9606141145; Pit Excavation Composite*
Sampled by: *RH* Date: *14-Jun-96* Time: *11:45*
Analyzed by: *DC* Date: *17-Jun-96*
Sample Matrix: *Soil*

Aromatic Volatile Organics

Component	Result	Units of Measure	Detection Limit	Units of Measure
<i>Benzene</i>	<i>55.5</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>1790.9</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>275.2</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>3019.9</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>711.6</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>TOTAL</i>	<i>5853.2</i>	<i>ug/kg</i>		

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

Approved by: *Dr. G*
Date: *6/17/96*

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FLORANCE AC #3
Amoco
Sec. 22-30N-09W

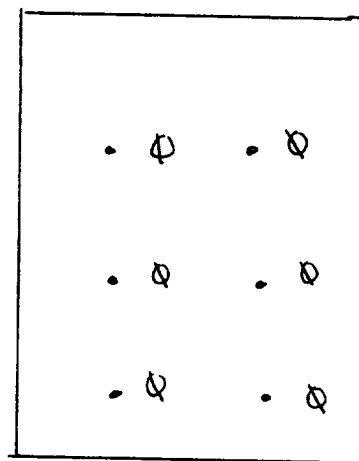
July 24, 1996

Land Farm: On Location
253 Yards

Composite Sample #: 9607241100

Soil Vapor Head-Space Reading = 2.2 ppm (PID)

Sample depths between 2" and 12"



OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

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

Date: **26-Jul-96**
COC No.: **4924**
Sample No. **11590**
Job No. **2-1000**

Project Name: **PNM Gas Services - Florance AC #3 Landfarm**
Project Location: **9607241100; 6pt. Composite, 2"-12" depth**
Sampled by: **GC** Date: **24-Jul-96** Time: **11:00**
Analyzed by: **HR** Date: **26-Jul-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.: **0479-QC**

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	<5.0	ppm	2,000	1,977	1.1	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Diesel Range (C10-C28)	111	121	(70-130)	6	20%

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

Approved by:

Date: **7/26/96**

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