

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 1995

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 #27

Location: Unit: 1 Sec. 26 T. 29 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 3

(Attach diagram) Reference: wellhead ☒ other ☐

Footage from reference: 100'

Direction from reference: 60 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>20</u> |

(Vertical distance from contaminants to
seasonal high water elevation of ground
water)

Wellhead Protection Area:

| | | |
|-----|-------------|-----------|
| Yes | (20 points) | |
| No | (0 points) | <u>20</u> |

(Less than 200 feet from a private
domestic water source, or; less than 1,000
feet from all other water sources)

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>10</u> |

(Horizontal distance to perennial lakes,
ponds, rivers, streams, creeks, irrigation
canals and ditches)

RANKING SCORE (TOTAL POINTS): 50

Date Remediation Started: 8/5/96 Date Completed: 8/5/96

Remediation Method: Excavation X Approx. Cubic Yard 425

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds) 425

Other _____

Remediation Location: Onsite X Offsite _____

(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 29'x33'x12'. Soil was landfarmed 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 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 12'

Sample date 8/5/96 Sample time 2:30:00 PM

Sample Results

Benzene (ppm) 0.0012

Total BTEX (ppm) 0.0391

Field headspace (ppm) _____

TPH < 5.00 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

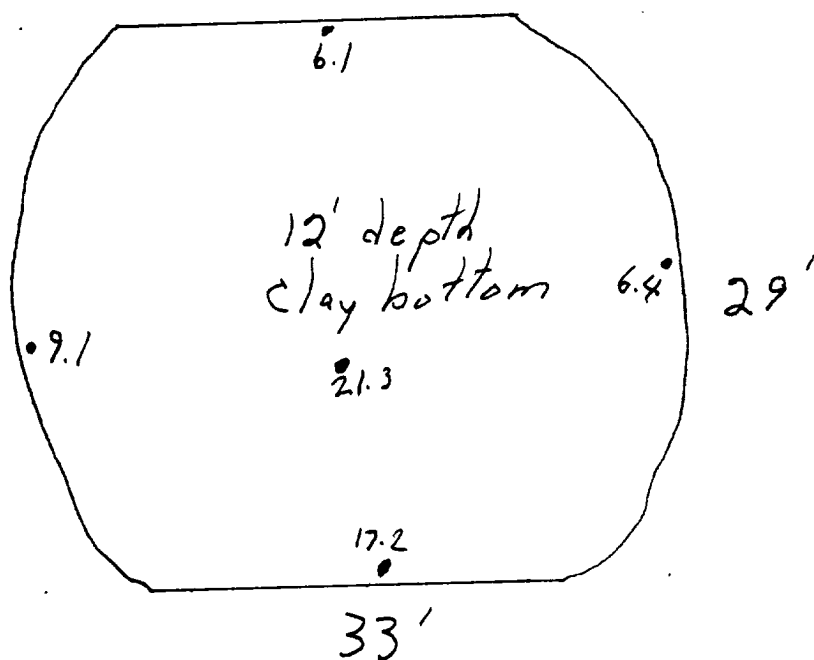
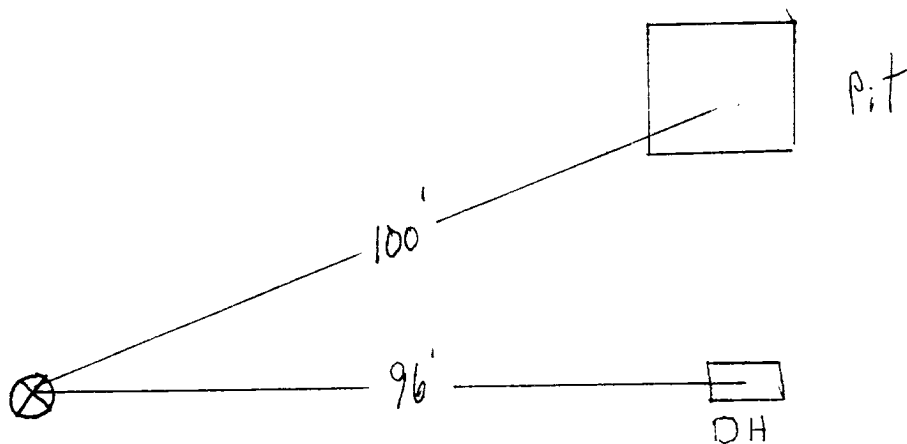
DATE October 25, 1996

SIGNATURE Maureen Gannon

PRINTED NAME AND TITLE Maureen Gannon
Environmental Engineer

FLORANCE #27
Sec. 26, 29N, 09W, I
Amoco

August 5, 1996



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: *7-Aug-96*
COC No.: *4938*
Sample No. *11684*
Job No. *2-1000*

Project Name: *PNM Gas Services - Florance #27*
Project Location: *9608051430; 5pt. Composite, 4 walls and bottom 12'*
Sampled by: *GC* Date: *5-Aug-96* Time: *14:30*
Analyzed by: *HR* Date: *7-Aug-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 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>1,810</i> | <i>9.5</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>93</i> | <i>99</i> | <i>(70-130)</i> | <i>5</i> | <i>20%</i> |

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

Approved by:
Date:

OFF: (505) 325-5667



LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

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

Date: *7-Aug-96*
COC No.: *4938*
Sample No.: *11684*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Florance #27*
Project Location: *9608051430; 5pt. Composite, 4 Walls & Bottom, 12'*
Sampled by: *GC* Date: *5-Aug-96* Time: *14:30*
Analyzed by: *HR* Date: *7-Aug-96*
Sample Matrix: *Soil*

Laboratory Analysis

| Parameter | Result | Unit of Measure | Detection Limit | Unit of Measure |
|--------------|--------|-----------------|-----------------|-----------------|
| Benzene | 1.2 | ug/kg | 0.2 | ug/kg |
| Toluene | 2.3 | ug/kg | 0.2 | ug/kg |
| Ethylbenzene | 7.2 | ug/kg | 0.2 | ug/kg |
| m,p-Xylene | 27.0 | ug/kg | 0.2 | ug/kg |
| o-Xylene | 1.4 | ug/kg | 0.2 | ug/kg |
| TOTAL | | 39.1 | ug/kg | |

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

Approved by: *Jag*
Date: *8/7/96*

Florange # 27

9-10-96

Amoco

Sec. 26, 29N, 9W

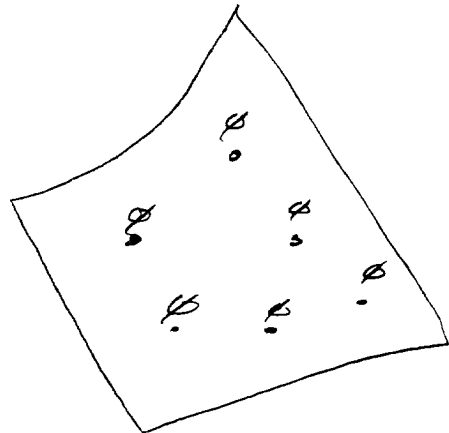
Land Farm: On-location

Composite sample # 9609101400 6 pt comp

Soil vapor headspace PID reading: 1.3 ppm

⊗

2"-12" depth
sand & sandstone



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: *12-Sep-96*
COC No.: *5024*
Sample No. *12101*
Job No. *2-1000*

Project Name: *PNM Gas Services - Florance #27 Landfarm*
Project Location: *9609101400; 6pt. Composite, 2"-12" depth*
Sampled by: *GC* Date: *10-Sep-96* Time: *14:00*
Analyzed by: *BV* Date: *12-Sep-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>6.1</i> | <i>mg/kg</i> | <i>5.0</i> | <i>mg/kg</i> |

Quality Assurance Report

DRO QC No.: 0489-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>100</i> | <i>104</i> | <i>3.6</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>96</i> | <i>95</i> | <i>(70-130)</i> | <i>1</i> | <i>20%</i> |

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

Approved by: *[Signature]*
Date: *9/12/96*