

District I
P.O. Box 1980, Hobbs, NM

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Donny S. Faust
DEPUTY OIL & GAS INSPECTOR
1000 Rio Brazos Rd. Aztec, NM 87410

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

JUL 18 1997

PIT REMEDIATION AND CLOSURE REPORT

Approved

| | | | |
|--|---|---------------------|---------------------------------|
| Operator: PNM Gas Services (Chaparral) | | Telephone: 324-3764 | |
| Address: 603 W. Elm Street Farmington, NM 87401 | | | |
| Facility or Well Name: Marie #1 | | | |
| Location: | Unit: J | Sec. 13 | T. 28 N R. 11 W County San Juan |
| Pit Type: | Separator <input checked="" type="checkbox"/> | Dehydrator | Other |
| Land Type: | BLM <input checked="" type="checkbox"/> | State | Fee Other |
| Pit Location: | Pit dimensions: length 21 width 21 depth 3 | | |
| (Attach diagram) | Reference: wellhead <input checked="" type="checkbox"/> other | | |
| | Footage from reference: 69' | | |
| | Direction from reference: 58 Degrees <input checked="" type="checkbox"/> East North of West South <input checked="" type="checkbox"/> | | |
| Depth to Ground Water: | Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points) 0 | | |
| (Vertical distance from contaminants to seasonal high water elevation of ground water) | | | |
| Wellhead Protection Area: | Yes (20 points) No (0 points) 0 | | |
| (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) 0 | | |
| (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches) | | | |
| RANKING SCORE (TOTAL POINTS): | | | 0 |

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OIL CON. DIV.
DIST. 3

Date Remediation Started: _____

Date Completed: _____

Remediation Method:

Excavation _____

Approx. Cubic Yard _____

(Check all appropriate sections)

Landfarmed _____

Amount Landfarmed (cubic yds) _____

Other _____

Remediation Location:

Onsite _____

Offsite _____

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

Backfill Material Location: _____

General Description of Remedial Action:

No remedial action necessary; lab analysis below BLM/OCD standards.

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

7'

Sample date

10/8/96

Sample time

1:00:00 PM

Sample Results

Benzene (ppm)

0.0010

Total BTEX (ppm)

0.0230

Field headspace (ppm)

TPH

<

5.00

Method

8015A

Vertical Extent (ft) _____

Risk Assessment form attached

Yes

No

Ground Water Sample:

Yes

No

☒

(If yes, see attached Groundwater Site Summary Report)

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

DATE

April 28, 1997

SIGNATURE

PRINTED NAME
AND TITLEDenver Bearden
Administrator III

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: *11-Oct-96*
COC No.: *4889*
Sample No. *12489*
Job No. *2-1000*

Project Name: *PNM Gas Services - Marie #1*
Project Location: *9610081300; Pit Excavation Composite Sample*
Sampled by: *RH* Date: *8-Oct-96* Time: *13:00*
Analyzed by: *DC/HR* Date: *11-Oct-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.: *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>100</i> | <i>0.4</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>105</i> | <i>114</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: *10/11/96*

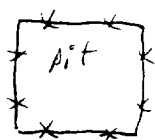
P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Marie #1

58° E of S

64' from wellhead



WH



141'

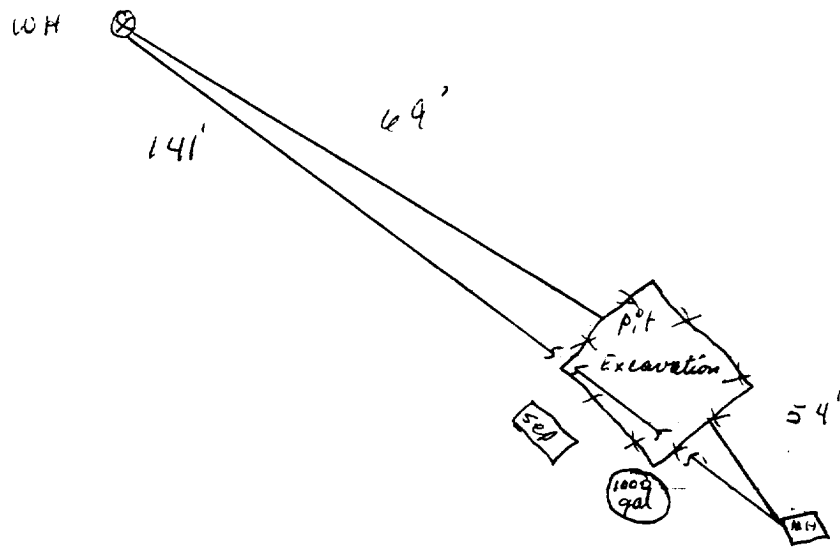
64'

52'

1000 gal

54'

10'



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: *11-Oct-96*
COC No.: *4889*
Sample No.: *12489*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Marie #1*
Project Location: *9610081300; Pit Excavation Composite Sample*
Sampled by: *RH* Date: *8-Oct-96* Time: *13:00*
Analyzed by: *DC* Date: *11-Oct-96*
Sample Matrix: *Soil*

Laboratory Analysis

| Parameter | Result | Unit of Measure | Detection Limit | Unit of Measure |
|--------------|--------|-----------------|-----------------|-----------------|
| Benzene | 1.0 | ug/kg | 0.2 | ug/kg |
| Toluene | 9.8 | ug/kg | 0.2 | ug/kg |
| Ethylbenzene | 1.0 | ug/kg | 0.2 | ug/kg |
| m,p-Xylene | 11.3 | ug/kg | 0.2 | ug/kg |
| o-Xylene | <0.2 | ug/kg | 0.2 | ug/kg |
| TOTAL | | 23.1 | | ug/kg |

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

Approved by: *[Signature]*
Date: *10/11/96*

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