

District I
P O. Box 1980, Hobbs, NM

District II
P O. Drawer DD, Lordsburg, NM

District III
1000 Rio Brazos Rd. Aztec, 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

Kenney S. Frost
DEPUTY OIL & GAS INSPECTOR

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

MAR 28 1997

PIT REMEDIATION AND CLOSURE REPORT

Approved

Operator: PNM Gas Services (Four Star) **Telephone:** 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Mexico Federal B #1

Location: Unit: M Sec. 9 T. 28 N R. 10 W County San Juan

Pit Type: Separator ☐ Dehydrator ☐ Other No PNM Equipment

Land Type: BLM ☒ State ☐ Fee ☐ Other

Pit Location: Pit dimensions: length 18 width 18 depth 3

(Attach diagram) Reference: wellhead ☒ other

Footage from reference: 39'

Direction from reference: 50 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>

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

Wellhead Protection Area:

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

Yes (20 points)
No (0 points) 0

Distance to Surface Water:

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

Less than 200 feet	(20 points)	
200 feet to 1,000 feet	(10 points)	
Greater than 1,000 feet	(0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS) : 0

Date Remediation Started:

8/28/96

Date Completed:

8/30/96

Remediation Method:

Excavation

☒

Approx. Cubic Yard

91

(Check all appropriate sections)

Landfarmed

☒

Amount Landfarmed (cubic yds)

91

Other

Remediation Location:

Onsite

☒

Offsite

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

Backfill Material Location:

General Description of Remedial Action:

Excavated contaminated to pit size 17'x16'x9' 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 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

9'

Sample date

8/29/96

Sample time

10:30:00 AM

Sample Results

Benzene (ppm)

<

0.0002

Total BTEX (ppm)

0.0037

Field headspace (ppm)

TPH

<

5.0

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

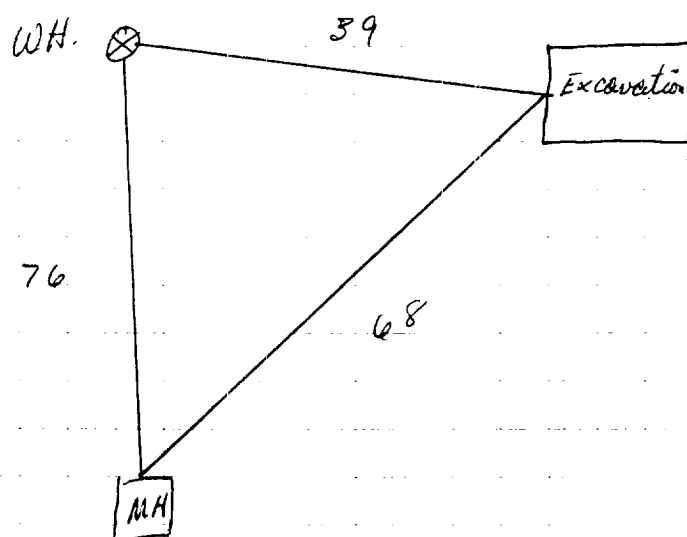
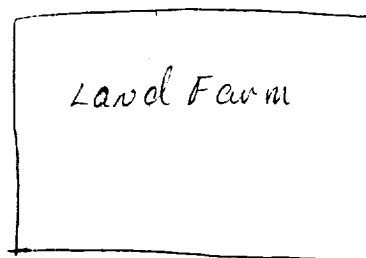
January 22, 1997

SIGNATURE


PRINTED NAME
AND TITLEDenver Bearden
Administrator III

Mexico Federal B-1

↑
N



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: *3-Sep-96*
COC No.: *4958*
Sample No. *11956*
Job No. *2-1000*

Project Name: ***PNM Gas Services - Mexico Federal B1***
Project Location: ***9608291030; Pit Excavation Composite Sample***
Sampled by: *RH* Date: *29-Aug-96* Time: *10:30*
Analyzed by: *DC* Date: *3-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><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>106</i>	<i>5.9</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>104</i>	<i>96</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: *[Signature]*
Date: *9/3/96*

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: *3-Sep-96*
COC No.: *4958*
Sample No.: *11956*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Mexico Federal B1*
Project Location: *9608291030; Pit Excavation Composite Sample*
Sampled by: *RH* Date: *29-Aug-96* Time: *10:30*
Analyzed by: *DC* Date: *3-Sep-96*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Benzene	<0.2	ug/kg	0.2	ug/kg
Toluene	2.0	ug/kg	0.2	ug/kg
Ethylbenzene	<0.2	ug/kg	0.2	ug/kg
m,p-Xylene	1.7	ug/kg	0.2	ug/kg
o-Xylene	<0.2	ug/kg	0.2	ug/kg
TOTAL		3.7		ug/kg

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

Approved by: *[Signature]*
Date: *9/3/96*

Mexico Federal B#1

10-1-96

Four Star

Sec. 9, 28N, 10W

Land Farm : on location

Composite sample # 9610011145

bpt. comp.

Soil vapor head space PID reading = 3.9 ppm

2'-12" depth
sand

⊗

.20	.50	.30
•	•	•
•	•	•

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: *3-Oct-96*
COC No.: *5044*
Sample No. *12405*
Job No. *2-1000*

Project Name: ***PNM Gas Services - Mexico Federal B #1 Landfarm***
Project Location: ***9610011145; 6pt. Composite, 2"-12" depth***
Sampled by: GC Date: *1-Oct-96* Time: *11:45*
Analyzed by: DC/HR Date: *3-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>110</i>	<i>9.9</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>112</i>	<i>103</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: 
Date: *10/3/96*