

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

District II
Drawer DD, Artesia, NM 88221

District III
1000 Rio Brazos Rd, Aztec, NM 87410

Dennis E. Frost
DEPUTY OIL & GAS INSPECTOR

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

OCT 28 1997

PIT REMEDIATION AND CLOSURE REPORT

Approved
Operator: PNM Gas Services (Dreyfus) **Telephone:** 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Federal 8 #22

Location: Unit F Sec 8 T 26 N R 7 W County Rio Arriba

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: 111'

Direction from reference: 14 Degrees ☒ East North
of
 West South ☒

Depth to Ground Water:

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

Less than 50 feet	(20 points)	
50 feet to 99 feet	(10 points)	
Greater than 100 feet	(0 points)	<u>10</u>

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)	<u>0</u>

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): 10

RECEIVED
JUL 31 1997
OIL CON. DIV.
DIST. 3

Date Remediation Started: 5/29/97

Date Completed: 5/29/97

Remediation Method: Excavation ☒ Approx. Cubic Yard 114

(Check all appropriate sections)

Landfarmed ☒ Amount Landfarmed (cubic yds) 114

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 soil to a pit size of 13' x 17' x 14' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerated by disking/plowing 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

14'

Sample date

5/29/97

Sample time

11:55:00 AM

Sample Results

Benzene (ppm)

0.0070

Total BTEX (ppm)

0.6760

Field headspace (ppm)

TPH (ppm)

248.00

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

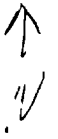
DATE July 28, 1997

SIGNATURE

PRINTED NAME
AND TITLEDenver Bearden
Administrator III

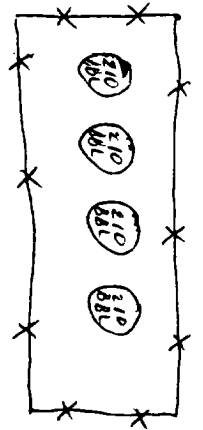
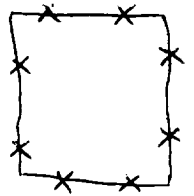
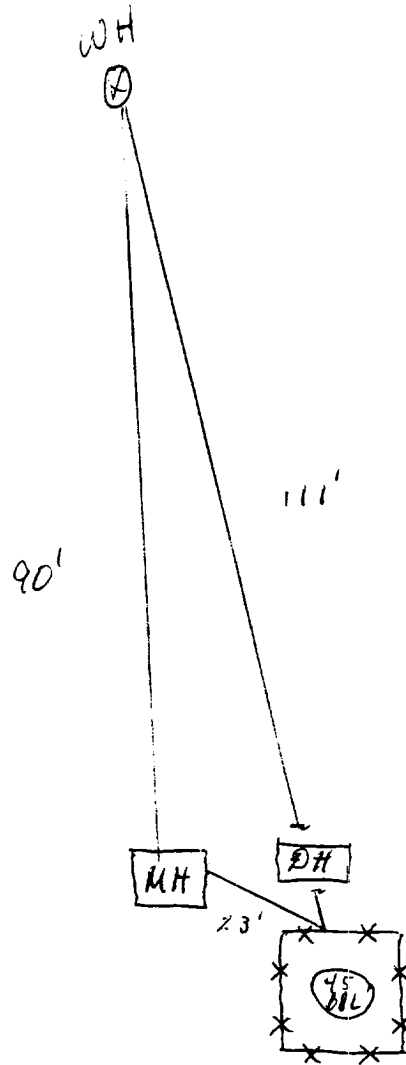
Federal 8-22
 Dreyfus
 WH to pit 111'
~~14~~ 14° E of S

MH



SEP

SEP



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

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

Date: *4-Jun-97*
COC No.: *5149*
Sample No.: *14797*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Federal #8-22*
Project Location: *9705291125; Pit Excavation Composite Sample (4 Walls & Bottom)*
Sampled by: *RH* Date: *29-May-97* Time: *11:55*
Analyzed by: *DC* Date: *4-Jun-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	248	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0519-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	ND	ppm	200	192	4.3	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	96	102	(70-130)	6	20%

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

Approved by: *[Signature]*

Date: *6/4/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

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

Date: *3-Jun-97*
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Project Location: *9705291125; Pit Excavation Composite Sample (4 Walls & Bottom)*
Sampled by: *RH* Date: *29-May-97* Time: *11:55*
Analyzed by: *DC* Date: *30-May-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	7	ug/kg	1	ug/kg
<i>Toluene</i>	154	ug/kg	1	ug/kg
<i>Ethylbenzene</i>	34	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	374	ug/kg	1	ug/kg
<i>o-Xylene</i>	106	ug/kg	1	ug/kg
	<i>TOTAL</i>	676	ug/kg	

ND - Not Detected at Limit of Quantitation

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

Approved by: *LAG*

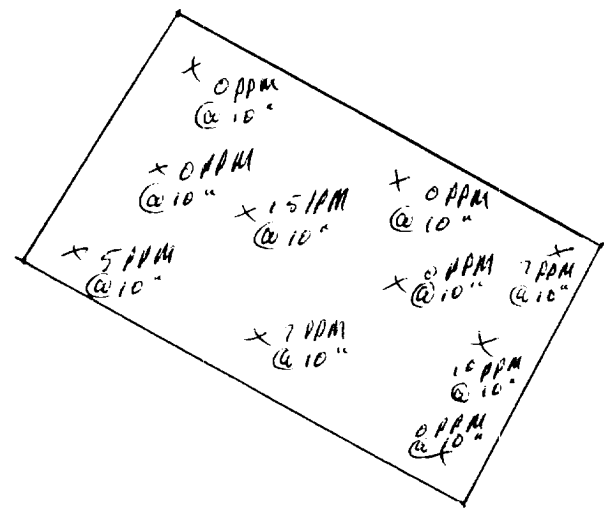
Date: *6/3/97*

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↑
N

See attached lab results for BTEX.



Federal # 8-22
6-28-47
@ 0.445

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

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

Date: *3-Jul-97*
COC No.: *5174*
Sample No.: *15140*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Federal 8-22 Landfarm*
Project Location: *9706280945; 10pt. Composite*
Sampled by: *RH* Date: *28-Jun-97* Time: *9:45*
Analyzed by: *DC/HR* Date: *2-Jul-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	30	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0548-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	ND	ppm	200	204	2.2	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	90	94	(70-130)	4	20%

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

Approved by: *[Signature]*
Date: *7/2/97*

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ANALYTICAL REPORT

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City, State: *Farmington, NM 87401*

Date: *3-Jul-97*
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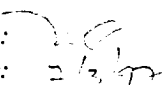
Project Name: *PNM Gas Services - Federal 8-22 Landfarm*
Project Location: *9706280945; 10pt. Composite*
Sampled by: *RH* Date: *28-Jun-97* Time: *9:45*
Analyzed by: *DC* Date: *1-Jul-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	1	ug/kg
<i>Toluene</i>	4	ug/kg	1	ug/kg
<i>Ethylbenzene</i>	1	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	10	ug/kg	1	ug/kg
<i>o-Xylene</i>	5	ug/kg	1	ug/kg
	<i>TOTAL</i>	20		ug/kg

ND - Not Detected at Limit of Quantitation

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

Approved by: 

Date: *2/3/97*

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