

District I
P.O. Box 1989, Hobbs, NM

District II
Drainage District 11, Aztec, NM 87410

District III
1000 Rio Brazos Rd. Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Lenny G. 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 (Burlington) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Payne #1R

Location: Unit M Sec 20 T 32 N R 10 W County San Juan

Pit Type: Separator Dehydrator ☒ Other No

Land Type: BLM ☒ State Fee Other No

Pit Location: Pit dimensions: length 20 width 20 depth 4

(Attach diagram) Reference: wellhead ☒ other

Footage from reference: 118'

Direction from reference: 75 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) 20

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) 10

RANKING SCORE (TOTAL POINTS): 30

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

Payne #1R

Date Remediation Started: 5/12/97

Date Completed: 5/14/97

Remediation Method:

Excavation

☒

Approx. Cubic Yard

346

(Check all appropriate sections)

Landfarmed

☒

Amount Landfarmed (cubic yds)

300

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 26' x 20' x 18' 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

16' & 18'

Sample date

5/12/97

Sample time

2:30:00 PM

Sample Results

Benzene (ppm)

0.0000

Total BTEX (ppm)

7.3820

Field headspace (ppm)

TPH

40.10

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

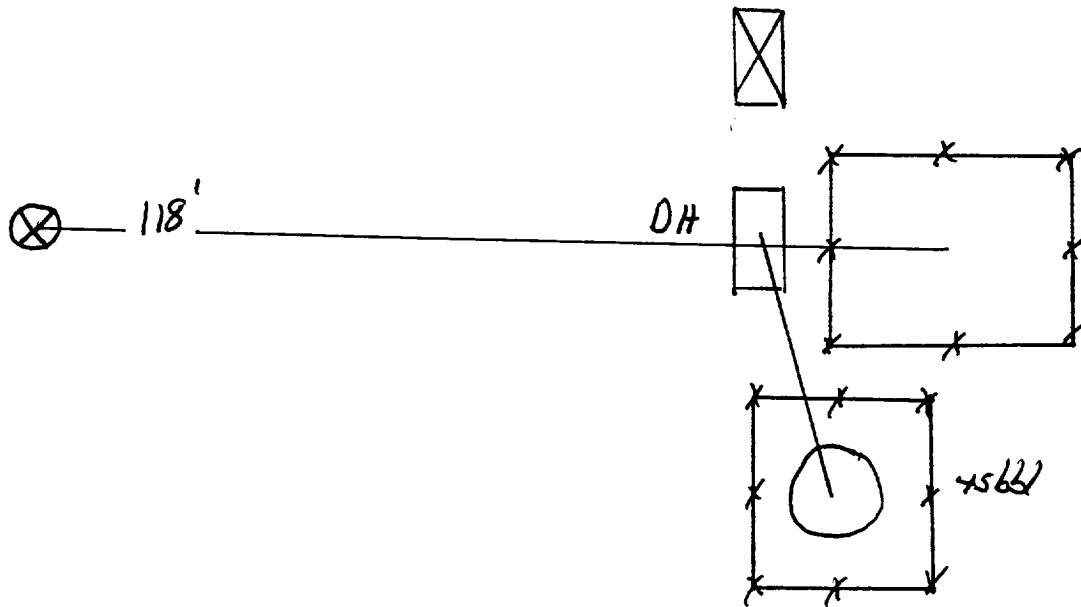
SIGNATURE

PRINTED NAME
AND TITLEDenver Bearden
Administrator III

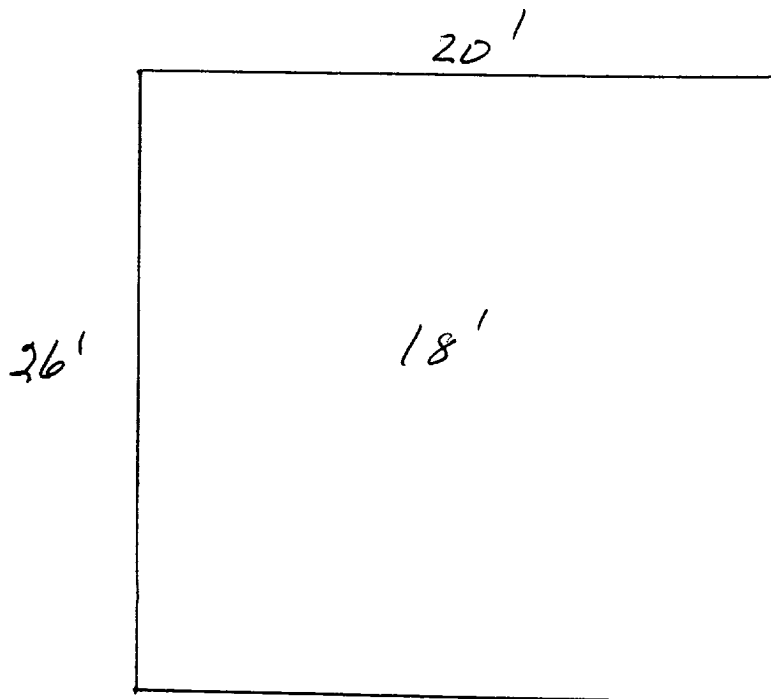
Payne # 1R
Burlington Resources
Sec. 20, 32N, 10W
elev. 6013

5-12-97

Start of excavation:



End of Excavations:



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: *22-May-97*
COC No.: *5877*
Sample No.: *14608*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Payne #1R*
Project Location: *9705121430; Composite, 4 Walls @ 16' and Bottom @ 18'*
Sampled by: *GC* Date: *12-May-97* Time: *14:30*
Analyzed by: *HR/DC* Date: *19-May-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>	<i>40.1</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

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>	<i>ND</i>	<i>ppm</i>	<i>100</i>	<i>112</i>	<i>11.2</i>	<i>15%</i>

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>100</i>	<i>100</i>	<i>(70-130)</i>	<i>0</i>	<i>20%</i>

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

Approved by: *[Signature]*
Date: *5-22-97*

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: *22-May-97*
COC No.: *5877*
Sample No.: *14608*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Payne #1R*
Project Location: *9705121430; Composite, 4 Walls @ 16' and Bottom @ 18'*
Sampled by: *GC* Date: *12-May-97* Time: *14:30*
Analyzed by: *DC* Date: *21-May-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	50	ug/kg
<i>Toluene</i>	172	ug/kg	50	ug/kg
<i>Ethylbenzene</i>	272	ug/kg	50	ug/kg
<i>m,p-Xylene</i>	5253	ug/kg	50	ug/kg
<i>o-Xylene</i>	1685	ug/kg	50	ug/kg
	<i>TOTAL</i>	7382	ug/kg	

ND - Not Detected at Limit of Quantitation

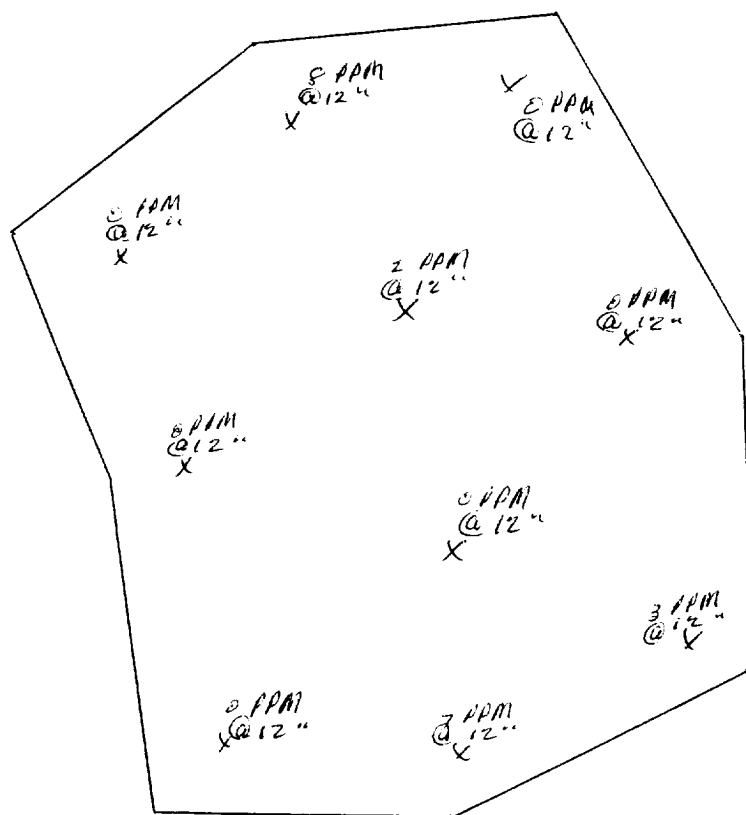
Method - *SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography*

Approved by: *[Signature]*
Date: *5/22/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

See attached lab results for BTEX.



Payne #1R
6-26-87
@ 1515

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.: *5172*
Sample No.: *15110*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Payne #1R Landfarm*
Project Location: *9706261515; 10pt. Composite*
Sampled by: *RH* Date: *26-Jun-97* Time: *15:15*
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>	<i>6</i>	<i>mg/kg</i>	<i>5</i>	<i>mg/kg</i>

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>	<i>ND</i>	<i>ppm</i>	<i>200</i>	<i>204</i>	<i>2.2</i>	<i>15%</i>

Matrix Spike

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

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

Approved by: *[Signature]*

Date: *7/3/97*

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- 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-Jul-97*
COC No.: *5172*
Sample No.: *15110*
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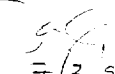
Project Name: *PNM Gas Services - Payne #1R Landfarm*
Project Location: *9706261515; 10pt. Composite*
Sampled by: *RH* Date: *26-Jun-97* Time: *15:15*
Analyzed by: *DC* Date: *30-Jun-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	2	ug/kg	1	ug/kg
<i>Toluene</i>	20	ug/kg	1	ug/kg
<i>Ethylbenzene</i>	7	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	21	ug/kg	1	ug/kg
<i>o-Xylene</i>	5	ug/kg	1	ug/kg
	<i>TOTAL</i>	55		ug/kg

ND - Not Detected at Limit of Quantitation

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

Approved by: 
Date: *7/3/97*

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -