

District I
P.O. Box 1980 Hobbs, NM

District II
Lawyer DD, Artesia, NM 88201

District III
1000 Rio Brazos Rd. Aztec, NM 87410

OCT 28 1997

2040 South Pacheco Street
Santa Fe, New Mexico 87505

State of New Mexico

Energy, Minerals and Natural Resources Department

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

DEPUTY OIL & GAS INSPECTOR OIL CONSERVATION DIVISION

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: Harrison #2

Location: Unit N Sec 31 T 32 N R 10 W County San Juan

Pit Type: Separator ☒ Dehydrator ☐ Other ☐ Abandoned Well ☐

Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

Pit Location: Pit dimensions: length 20 width 20 depth 3

(Attach diagram) Reference: wellhead ☒ other ☐

Footage from reference: 75'

Direction from reference: 5 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)

0

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)

0

RANKING SCORE (TOTAL POINTS):

0

Harrison #2

Date Remediation Started: 5/8/97Date Completed: 5/8/97Remediation Method: Excavation XApprox. Cubic Yard 50

(Check all appropriate sections)

Landfarmed XAmount Landfarmed (cubic yds) 50

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 16' x 14' x 6' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerated by 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 6'Sample date 5/8/97Sample time 1:30:00 PM

Sample Results

Benzene (ppm) 0.0180Total BTEX (ppm) 1.7350

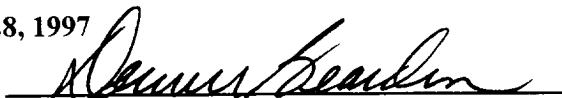
Field headspace (ppm) _____

TPH 535.00 Method 8015AVertical 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

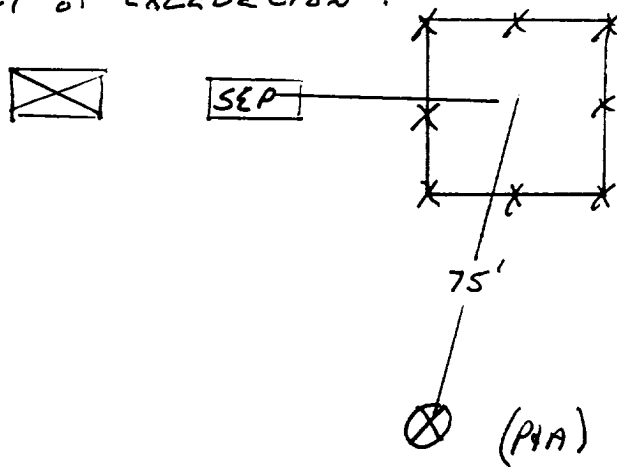
SIGNATURE

PRINTED NAME Denver Bearden
AND TITLE Administrator III

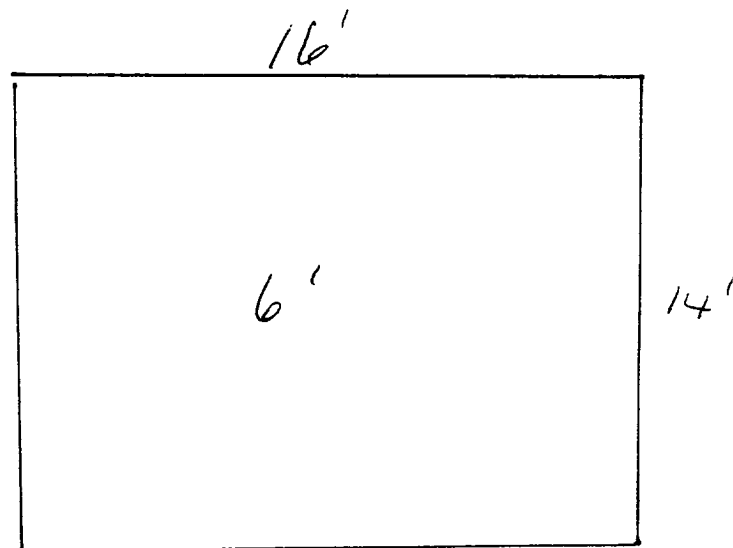
Harrison #2 (P4A)
Burlington Resources
Sec. 31, 32 N, 10 W, N

5-8-97

Start of excavation:



End of excavation:



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: *12-May-97*
COC No.: *5876*
Sample No.: *14522*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Harrison #2 (P&A)*
Project Location: *9705081330; Composite, 4 Walls and Bottom*
Sampled by: *GC* Date: *8-May-97* Time: *13:30*
Analyzed by: *HR/DC* Date: *9-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>535</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.: *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>106</i>	<i>6.2</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>109</i>	<i>(70-130)</i>	<i>8</i>	<i>20%</i>

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

Approved by: *[Signature]*

Date: *5/12/97*

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: *14-May-97*
COC No.: *5876*
Sample No.: *14522*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Harrison #2 (P&A)*
Project Location: *9705081330; Composite, 4 Walls and Bottom*
Sampled by: *GC* Date: *8-May-97* Time: *13:30*
Analyzed by: *DC* Date: *9-May-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	18	ug/kg	1	ug/kg
<i>Toluene</i>	93	ug/kg	1	ug/kg
<i>Ethylbenzene</i>	230	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	1133	ug/kg	1	ug/kg
<i>o-Xylene</i>	261	ug/kg	1	ug/kg
	TOTAL	1735		ug/kg

ND - Not Detected at Limit of Quantitation

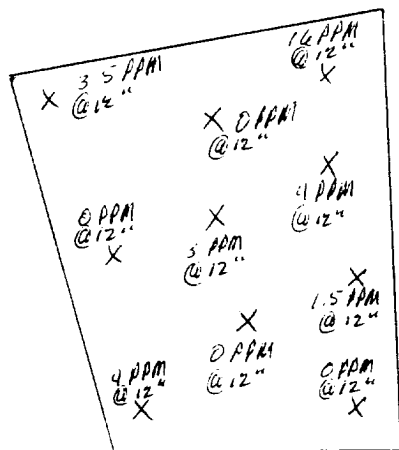
Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved by:

Date:

JGC
5/14/97

See attached lab results for BTEX.



Harrison #2 (P+A)
6-16-97 @ 1420

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: *20-Jun-97*
COC No.: *5165*
Sample No.: *14967*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Harrison #2 Landfarm*
Project Location: *9706161420; 10pt. Composite*
Sampled by: *RH* Date: *16-Jun-97* Time: *14:20*
Analyzed by: *DC/HR* Date: *19-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>	<i>601</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>195</i>	<i>2.5</i>	<i>15%</i>

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>88</i>	<i>95</i>	<i>(70-130)</i>	<i>9</i>	<i>20%</i>

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

Approved by: *[Signature]*
Date: *6/20/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

EXPERIMENTAL BLENDING INDUSTRY COUNCIL OF THE U.S. GOVERNMENT

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: *19-Jun-97*
COC No.: *5165*
Sample No.: *14967*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Harrison #2 Landfarm*

Project Location: *9706161420; 10pt. Composite*

Sampled by: *RH* Date: *16-Jun-97* Time: *14:20*

Analyzed by: *HR* Date: *18-Jun-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>	1	ug/kg	1	ug/kg
<i>Ethylbenzene</i>	ND	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	4	ug/kg	1	ug/kg
<i>o-Xylene</i>	2	ug/kg	1	ug/kg
	<i>TOTAL</i>	7		ug/kg

ND - Not Detected at Limit of Quantitation

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

Approved by: 
Date: *6/19/97*