

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

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

Operator:		PNM Gas Services (Williams)		Telephone:		324-3764					
Address:		603 W. Elm Street Farmington, NM 87401									
Facility or Well Name:		State A #93 Drip									
Location:		Unit	P	Sec	2	T	26 N	R	6 W	County	Rio Arriba
Pit Type:		Separator		Dehydrator		Other	Drip				
Land Type:		BLM	<input checked="" type="checkbox"/>	State		Fee		Other			
Pit Location:		Pit dimensions:		length	20	width	20	depth	3		
(Attach diagram)		Reference:		wellhead		other	Drip				
		Footage from reference:		25'							
		Direction from reference:		45	Degrees		<input checked="" type="checkbox"/>	East	North	<input checked="" type="checkbox"/>	
								West	South		
								of			
Depth to Ground Water:				Less than 50 feet		(20 points)					
				50 feet to 99 feet		(10 points)					
(Vertical distance from contaminants to seasonal high water elevation of ground water)				Greater than 100 feet		(0 points)		0			
Wellhead Protection Area:		RECEIVED		FEB 11 1988		Yes		(20 points)			
(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)		OIL CON DIV.		DATE		No		(0 points)		0	
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			
RANKING SCORE (TOTAL POINTS):		0									

State A #93 Dnp

Date Remediation Started: 9/18/97

Date Completed: 9/18/97

Remediation Method:

Excavation ☒

Approx. Cubic Yard 248

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 248

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 pit size of 24' X 20' X 14' 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

12' walls and 14' bottom.

Sample date

9/18/97

Sample time

1:00:00 PM

Sample Results

Benzene (ppm) < 0.0010

Total BTEX (ppm) 0.0880

Field headspace (ppm)

TPH (ppm) < 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 January 27, 1998

SIGNATURE

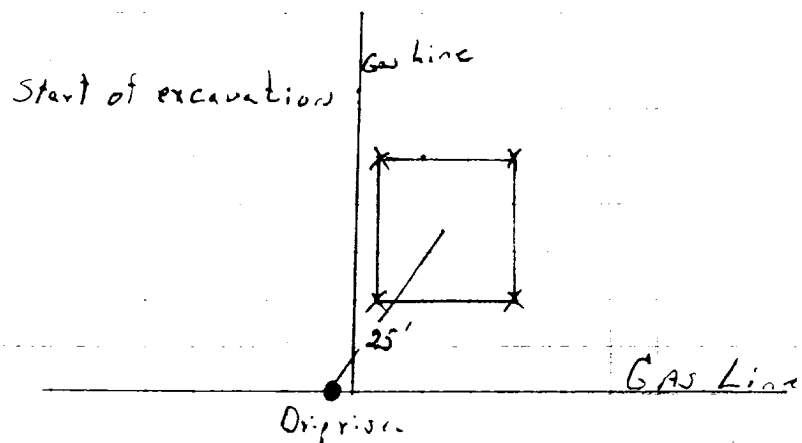
Denver Bearden

PRINTED NAME AND TITLE

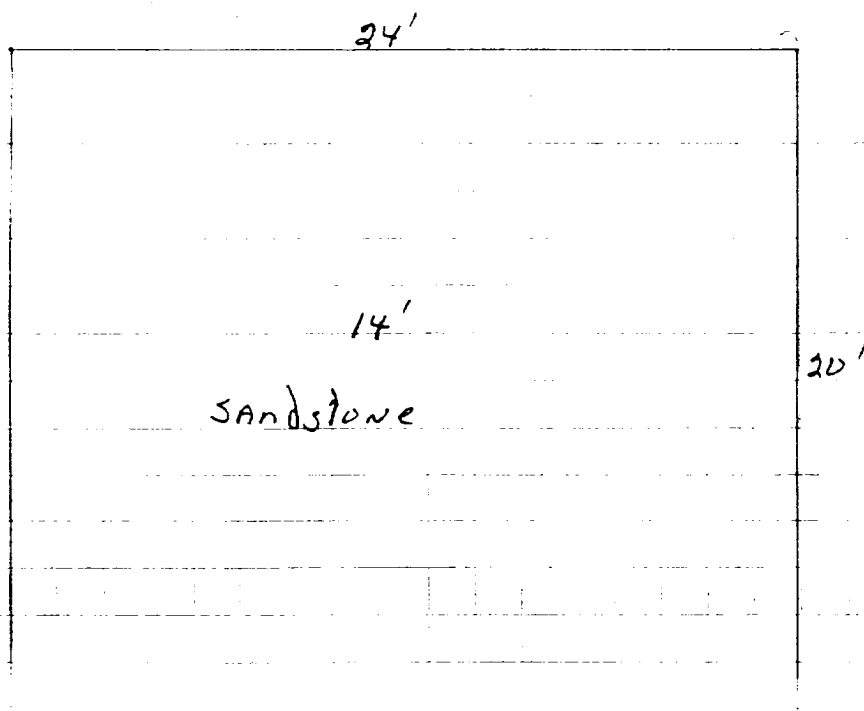
Denver Bearden
Administrator III

State A # 93 Drip
WFS
Sec 2, 26W, 6N, P

9/18/97



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: *24-Sep-97*
 COC No.: *5696*
 Sample No.: *16228*
 Job No.: *2-1000*

Project Name: *PNM Gas Services - State A #93 Drip*
 Project Location: *9709181300; Composite, 4 Walls @ 12' and Bottom @ 14'*
 Sampled by: GC Date: *18-Sep-97* Time: *13:00*
 Analyzed by: DC/HR Date: *22-Sep-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>	ND	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

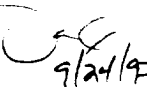
DRO QC No.: 0555-STD

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	184	8.5	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	88	87	(70-130)	1	20%

Approved by: Date: *9/24/97*

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: *29-Sep-97*
COC No.: *5696*
Sample No.: *16228*
Job No.: *2-1000*

Project Name: *PNM Gas Services - State A #93 Drip*
Project Location: *9709181300; Composite, Walls @ 12' and Bottom @ 14'*
Sampled by: *GC* Date: *18-Sep-97* Time: *13:00*
Analyzed by: *HR* Date: *19-Sep-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>	34	ug kg	1	ug kg
<i>Ethylbenzene</i>	2	ug kg	1	ug kg
<i>m,p-Xylene</i>	37	ug kg	1	ug kg
<i>o-Xylene</i>	14	ug kg	1	ug kg
	<i>TOTAL</i>	88	ug kg	

ND - Not Detected at Limit of Quantitation

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

10-6-97 @ 1040

State A # 43 Drip

Caulkins

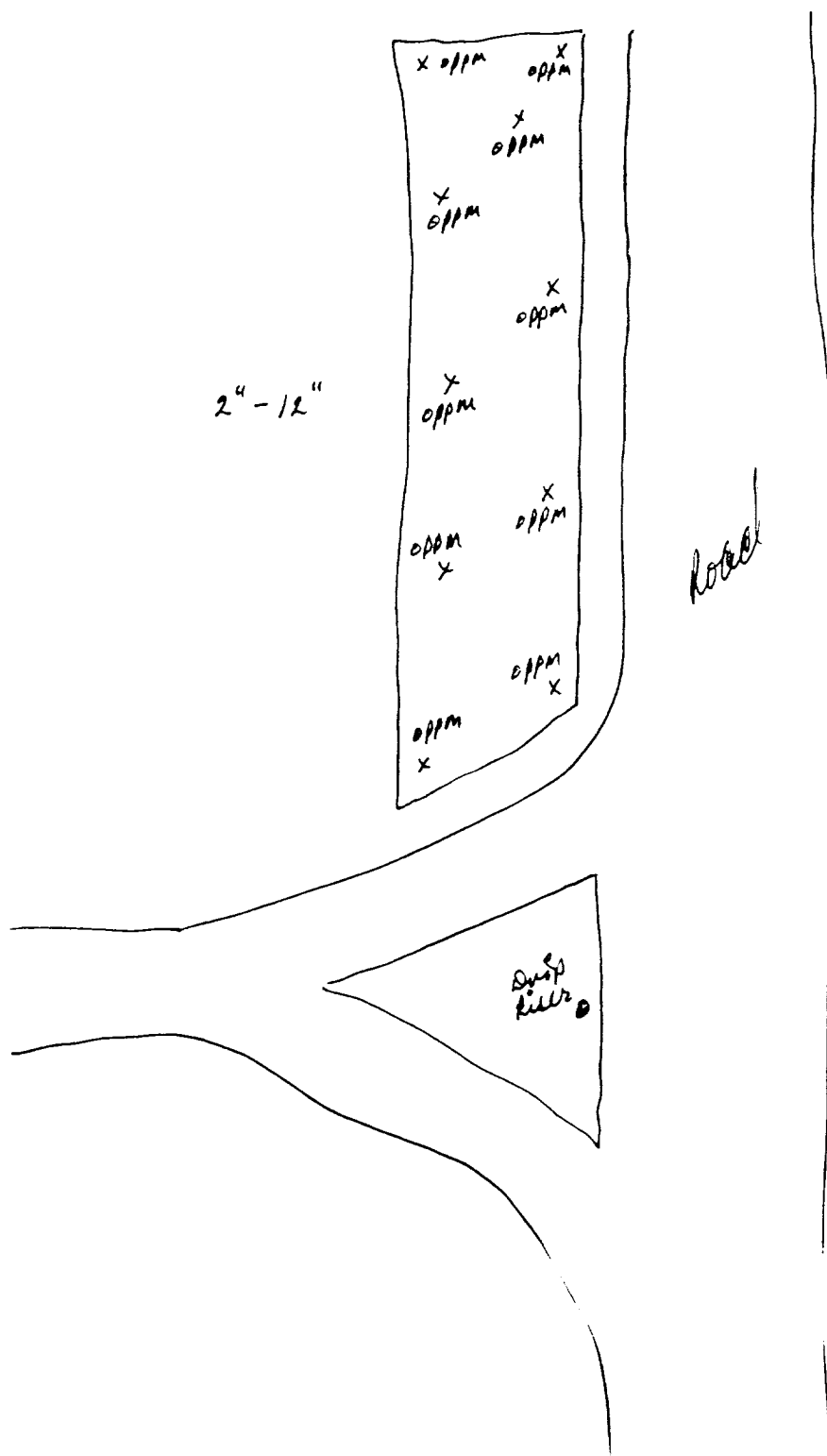
(L) 2-260-6W

Rio Arriba

sample # 9710061040

Land farm field head space: 0 ppm

↑
N



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: *8-Oct-97*
COC No.: *5663*
Sample No.: *16516*
Job No.: *2-1000*

Project Name: *PNM Gas Services - State A #93 Drip Landfarm*

Project Location: *9710061040; Composite*

Sampled by: *RH* Date: *6-Oct-97* Time: *10:40*

Analyzed by: *DC/HR* Date: *7-Oct-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>39</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.: 0555-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>214</i>	<i>6.7</i>	<i>15%</i>

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>94</i>	<i>86</i>	<i>(70-130)</i>	<i>9</i>	<i>20%</i>

Approved by: *[Signature]*
Date: *10/8/97*

P.O. BOX 2606 • FARMINGTON, NM 87499