

District III
1000 Rio Brazos Rd. Aztec, NM 87410

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

2040 South Pacheco Street
Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED
OCT 31 1996
C. C. COIL, L.L.C.

Operator:	PNM Gas Services (Amoco)	Telephone:	324-3764
Address:	603 W. Elm Street Farmington, NM 87401		
Facility or Well Name:	Pritchard A #1		
Location:	Unit: <u>M</u>	Sec. <u>1</u>	T. <u>30 N</u> R. <u>9 W</u> County <u>San Juan</u>
Pit Type:	Separator <u> </u>	Dehydrator <input checked="" type="checkbox"/>	Other <u> </u>
Land Type:	BLM <input checked="" type="checkbox"/>	State <u> </u>	Fee <u> </u> Other <u> </u>

Pit Location:	Pit dimensions:	length <u>15</u> ' width <u>15</u> ' depth <u>3</u> ' (Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other <u> </u>	Footage from reference: <u>210'</u>
Direction from reference: <u>180</u> Degrees		<input checked="" type="checkbox"/> East	North <input checked="" type="checkbox"/>	
		<u> </u> West	South <u> </u>	

Depth to Ground Water:	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points)	<u>0</u>
(Vertical distance from contaminants to seasonal high water elevation of ground water)			

Wellhead Protection Area:	Yes No	(20 points) (0 points)	<u>0</u>
(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)			

Distance to Surface Water:	Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet	(20 points) (10 points) (0 points)	<u>0</u>
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)			

RANKING SCORE (TOTAL POINTS) :	<u>0</u>
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Date Remediation Started: 7/1/96 **Date Completed:** 7/8/96

Remediation Method: Excavation X Approx. Cubic Yard 430

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds) 430

Other _____

Remediation Location: Onsite _____ Offsite Pritchard #9 (P&A) 1-30N-9W
(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 38'x34'x9' and landfarmed soil offsite 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 7/2/96 Sample time 11:45:00 AM

Sample Results

Benzene (ppm) 0.0487

Total BTEX (ppm) 4.0327

Field headspace (ppm) _____

TPH 39.60 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

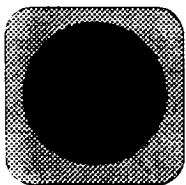
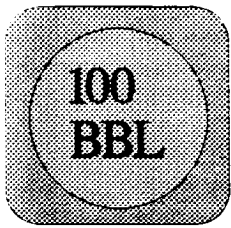
DATE October 25, 1996

SIGNATURE Maureen Gannon

PRINTED NAME Maureen Gannon

AND TITLE Environmental Engineer

PRITCHARD #1A EXCAVATION
07/02/96



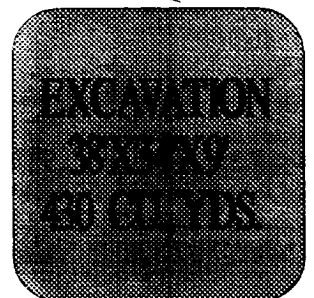
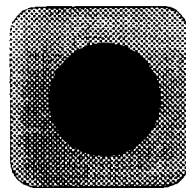
WH



231'



219'



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: *10-Jul-96*
COC No.: *4722*
Sample No. *11402*
Job No. *2-1000*

Project Name: *PNM Gas Services - Pritchard #1*
Project Location: *9607021145; Pit Excavation Composite Sample*
Sampled by: *RH* Date: *2-Jul-96* Time: *11:45*
Analyzed by: *DC* Date: *10-Jul-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>39.6</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

DRO QC No.: 0475-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>2,000</i>	<i>2,048</i>	<i>2.4</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>114</i>	<i>104</i>	<i>(70-130)</i>	<i>7</i>	<i>20%</i>

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

Approved by: *DaG*

Date: *7/10/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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: *8-Jul-96*
COC No.: *4722*
Sample No.: *11402*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Pritchard #1*
Project Location: *9607021145; Pit Excavation Composite Sample*
Sampled by: *RH* Date: *2-Jul-96* Time: *11:45*
Analyzed by: *DC* Date: *4-Jul-96*
Sample Matrix: *Soil*

Aromatic Volatile Organics

Component	Result	Units of Measure	Detection Limit	Units of Measure
<i>Benzene</i>	<i>48.7</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>421.3</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>189.1</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>2770.6</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>603.0</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
	<i>TOTAL</i>	<i>4032.7</i>		<i>ug/kg</i>

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

Approved by: *[Signature]*
Date: *7/8/96*

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TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT

Pritchard A #1

Amoco

Sec. 1, 30N, 9W

9-3-96

Land Farmed on Florence #99 P&A

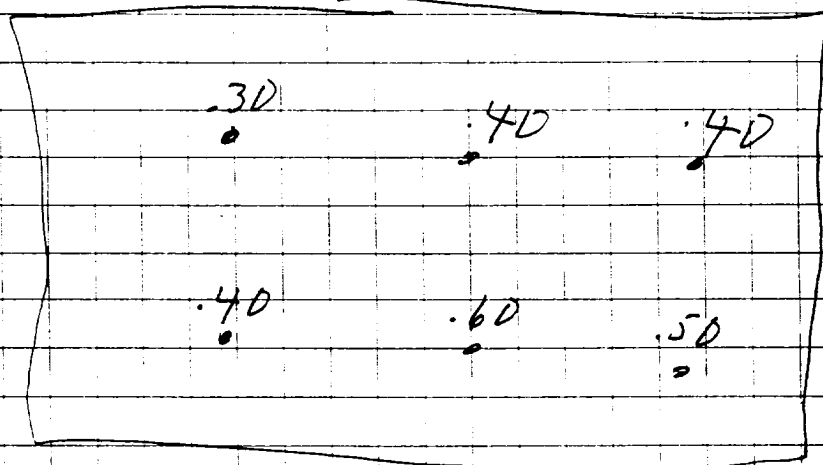
430 yds

Composite sample # 9609031300

(6pt. composite)

Soil Vapor Headspace = 4.8 ppm (PID)

⊗ Florence #99
P&A



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: *5-Sep-96*
COC No.: *4983*
Sample No. *11974*
Job No. *2-1000*

Project Name: *PNM Gas Services - Pritchard A #1 Landfarm Florance #99 P&A*
Project Location: *9609031300; 6pt. Composite, 2"-12" depth*
Sampled by: GC Date: *3-Sep-96* Time: *13:00*
Analyzed by: DC Date: *5-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>101</i>	<i>0.7</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>98</i>	<i>114</i>	<i>(70-130)</i>	<i>11</i>	<i>20%</i>

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

Approved by: *JaC*
Date: *9/6/96*

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TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT