

District I
P.O. Box 1980, Hobbs, NM

District
P.O. Drawer DD, Artesia, NM 88221

District III
1000 Rio Brazos Rd, Aztec, NM 87410

Dennis J. Frost
DEPUTY OIL & GAS INSPECTOR

FEB 28 1997

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

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

RECEIVED
OCT 31 1996

OIL CON. DIV.
10/31/96

Approved
PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Amoco)		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: Pritchard #3A			
Location:	Unit: P	Sec. 31	T. 29 N R. 8 W County San Juan
Pit Type:	Separator	Dehydrator	Other
Land Type:	BLM <input checked="" type="checkbox"/>	State	Fee Other
Pit Location:	Pit dimensions: length 21 width 21 depth 3		
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other		
	Footage from reference: 99'		
	Direction from reference: 15 Degrees East North <input checked="" type="checkbox"/>		
	West of South		
Depth to Ground Water:	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)		0
<small>(Vertical distance from contaminants to seasonal high water elevation of ground water)</small>			
Wellhead Protection Area:	Yes (20 points) No (0 points)		0
<small>(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)</small>			
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
<small>(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)</small>			
RANKING SCORE (TOTAL POINTS):			0

Date Remediation Started:

5/20/96

Date Completed:

5/20/96

Remediation Method:

Excavation

☒

Approx. Cubic Yard

20

(Check all appropriate sections)

Landfarmed

☒

Amount Landfarmed (cubic yds)

20

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 17'x16'x2' and landfarmed soil onsite 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

2'

Sample date

5/20/96

Sample time

9:45:00 AM

Sample Results

Benzene (ppm)

0.4077

Total BTEX (ppm)

5.8763

Field headspace (ppm)

TPH

83.70

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

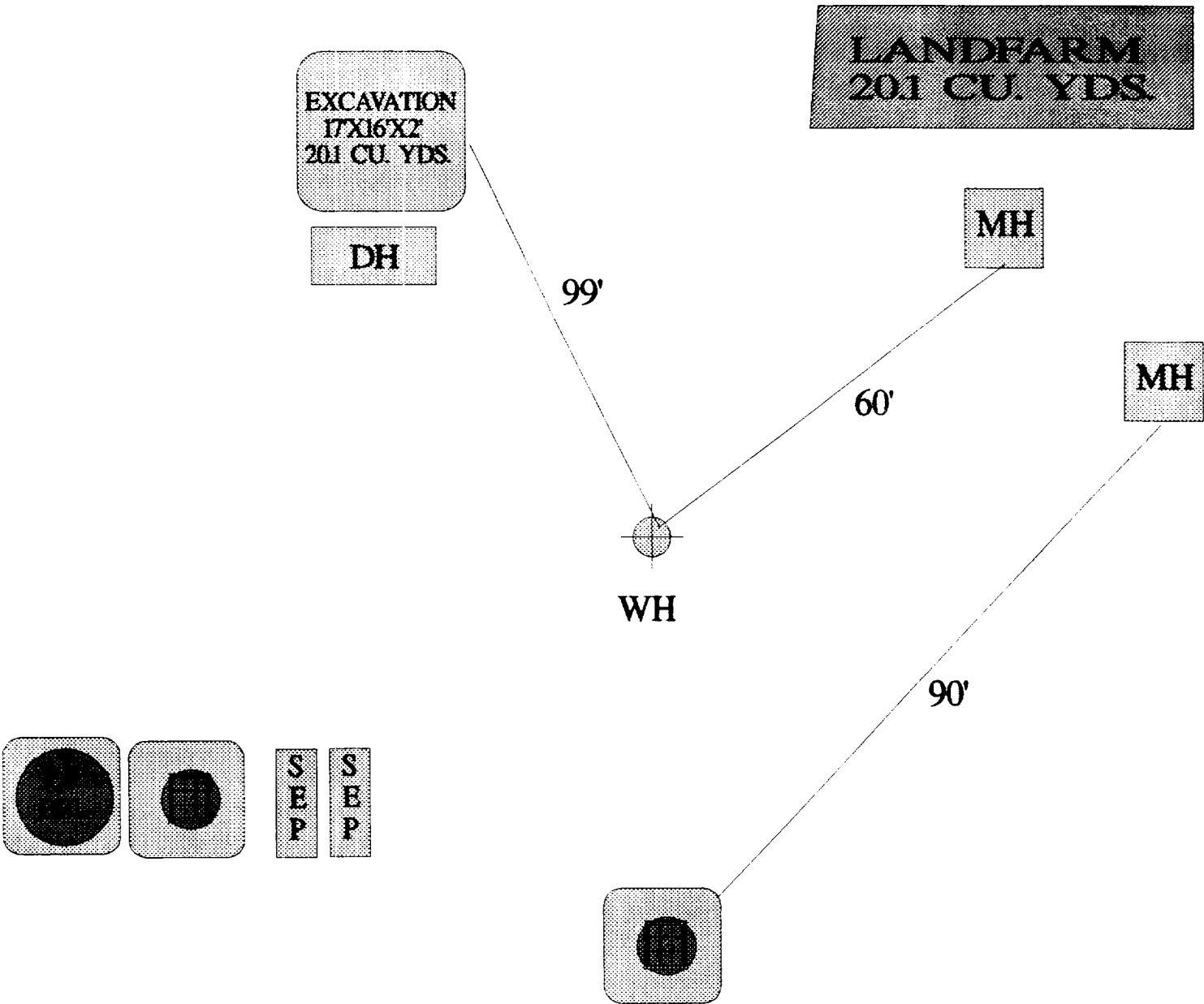
October 25, 1996

SIGNATURE

Maureen Gannon

PRINTED NAME
AND TITLEMaureen Gannon
Environmental Engineer

PRITCHARD #3A EXCAVATION
05/20/96



OFF: (505) 325-8786

TECHNOLOGIES, LTD.

LAB: (505) 325-5667

Diesel Range Organics

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

Date: *21-May-96*
 COC No.: *4686*
 Sample No. *10931*
 Job No. *2-1000*

Project Name: *PNM Gas Services - Pritchard 3A*
 Project Location: *9605200945; Pit Excavation Composite*
 Sampled by: *RH* Date: *20-May-96* Time: *9:45*
 Analyzed by: *HR* Date: *21-May-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>83.7</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance ReportDRO 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>1,883</i>	<i>5.9</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>88</i>	<i>96</i>	<i>(70-130)</i>	<i>6</i>	<i>20%</i>

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas ChromatographyApproved by: *[Signature]*Date: *5/21/96*

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FARMINGTON, NEW MEXICO 87401-2606



OFF: (505) 325-8786

LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

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

Date: *22-May-96*
COC No.: *4686*
Sample No.: *10931*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Pritchard 3A*
Project Location: *9605200945; Pit Excavation Composite*
Sampled by: *RH* Date: *20-May-96* Time: *9:45*
Analyzed by: *DC* Date: *22-May-96*
Sample Matrix: *Soil*

Laboratory Analysis

Component	Result	Unit of Measure	Detection Limit	Unit of Measure
Benzene	407.7	ug/kg	0.2	ug/kg
Toluene	2099.7	ug/kg	0.2	ug/kg
Ethylbenzene	297.8	ug/kg	0.2	ug/kg
m,p-Xylene	2512.3	ug/kg	0.2	ug/kg
o-Xylene	558.7	ug/kg	0.2	ug/kg
TOTAL		5876.3	ug/kg	

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

Approved by: *DC*
Date: *5/22/96*

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Pritchard #3A

9-10-96

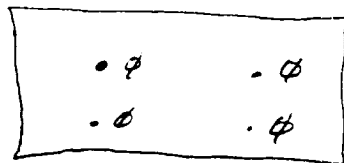
Amoco

Sec. 31, 29N, 8W

Land Farm: On-location

Composite sample # 9609101340 4 pt.

soil vapor head space PID reading: 1.8 ppm



2"-12" depths
sand



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: *12-Sep-96*
COC No.: *5023*
Sample No. *12100*
Job No. *2-1000*

Project Name: *PNM Gas Services - Pritchard #3A Landfarm*
Project Location: *9609101340; 4pt. Composite, 2"-12" depth*
Sampled by: *GC* Date: *10-Sep-96* Time: *13:40*
Analyzed by: *DC/HR* Date: *12-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>1905.6</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>104</i>	<i>3.6</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>96</i>	<i>95</i>	<i>(70-130)</i>	<i>1</i>	<i>20%</i>

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

Approved by: *[Signature]*

Date: *9/12/96*

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