

District I
P.O. Box 980, Hobbs, NM

District II
P.O. Drawer DD, Artesia, NM 80221

District III
1000 Rio Brazos Rd., Aztec, NM 87401

State of New Mexico
Energy, Minerals and Natural Resources Department

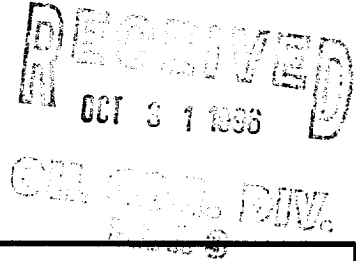
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

FEB 28 1997

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: Federal Gas Com L #1E

Location: Unit: B Sec. 14 T. 30 N R. 11 W County San Juan

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

Pit Location: Pit dimensions: length 15 width 15 depth 3

(Attach diagram) Reference: wellhead ☒ other ☐

Footage from reference: 100'

Direction from reference: 90 Degrees ☒ East ☒ North ☐ South ☐ of ☐ West ☐

Depth to Ground Water: Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 points) 0

(Vertical distance from contaminants to
seasonal high water elevation of ground
water)

Wellhead Protection Area: Yes (20 points)
No (0 points) 0

(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 (20 points)
200 feet to 1,000 feet (10 points)
Greater than 1,000 feet (0 points) 0

(Horizontal distance to perennial lakes,
ponds, rivers, streams, creeks, irrigation
canals and ditches)

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 4/24/96 Date Completed: 4/29/96

Remediation Method: Excavation X Approx. Cubic Yard 48

(Check all appropriate sections) Landfarmed X Amount Landfarmed (cubic yds) 48

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 18'x18'x4' 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 4'

Sample date 4/25/96 Sample time 11:45:00 AM

Sample Results

Benzene (ppm) 0.1600

Total BTEX (ppm) 25.2694

Field headspace (ppm) _____

TPH 61.70 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

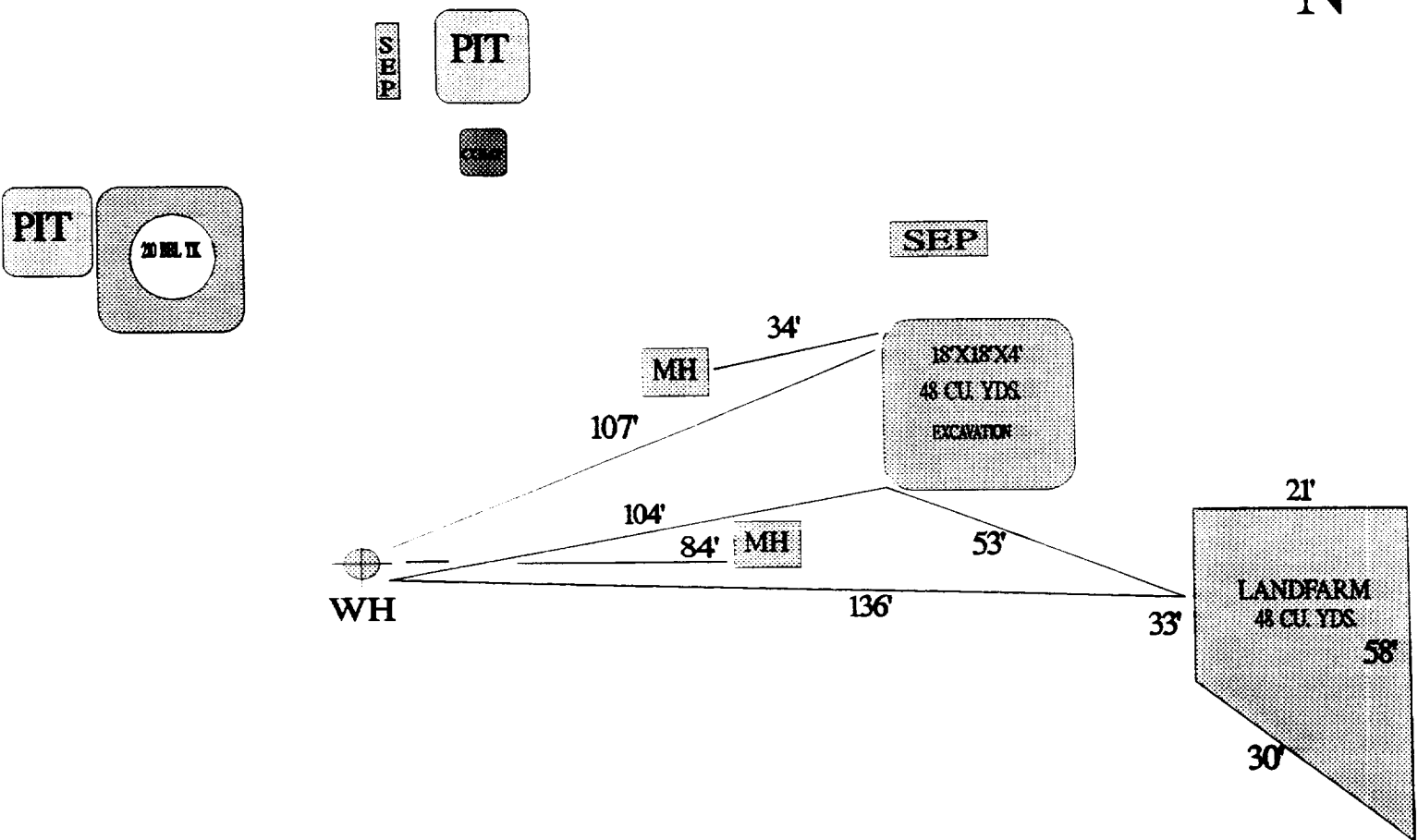
DATE October 25, 1996

SIGNATURE

Maureen Gannon

PRINTED NAME
AND TITLE

Maureen Gannon
Environmental Engineer



FED GAS COM L1 #1E EXCAVATION — 04/25/96

OFF: (505) 325-8786



LAB: (505) 325-5667

Diesel Range Organics EPA 8015-Modified

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

Date: *29-Apr-96*
COC No.: *4621*
Sample No. *10730*
Job No. *2-1000*

Project Name: ***PNM Gas Services - Federal Gas Com L1-1E***
Project Location: ***9604251145; Pit Excavation Composite Wall Sample***
Sampled by: *RH* Date: *25-Apr-96* Time: *11:45*
Analyzed by: *DC* Date: *29-Apr-96*
Sample Matrix: *Soil*

Laboratory Analysis

Analyte	Result	Unit of Measure	Detection Limit	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	<i>61.7</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

DRO QC No.: *0446-STD*

Calibration Check

Analyte	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
<i>Diesel Range (C10 - C28)</i>	<i><5.0</i>	<i>ppm</i>	<i>2,000</i>	<i>1,974</i>	<i>1.3</i>	<i>15%</i>

Matrix Spike

Analyte	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
<i>Diesel Range (C10-C28)</i>	<i>101</i>	<i>103</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: *DC*
Date: *4/29/96*

P. O. BOX 2606 • FARMINGTON, NM 87499

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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: *26-Apr-96*
COC No.: *4621*
Sample No. *10730*
Job No. *2-1000*

Project Name: *PNM Gas Services - Federal Gas Com L1-1E*
Project Location: *9604251145; Pit Excavation Composite Wall Sample*
Sampled by: *RH* Date: *25-Apr-96* Time: *11:45*
Analyzed by: *DC* Date: *25-Apr-96*
Type of Sample: *Soil*

Aromatic Volatile Organics

Component	Result	Units of Measure	Detection Limit	Units of Measure
<i>Benzene</i>	160.0	ug/kg	0.2	ug/kg
<i>Toluene</i>	3165.1	ug/kg	0.2	ug/kg
<i>Ethylbenzene</i>	1237.1	ug/kg	0.2	ug/kg
<i>m,p-Xylene</i>	20085.4	ug/kg	0.2	ug/kg
<i>o-Xylene</i>	621.9	ug/kg	0.2	ug/kg
	<i>TOTAL</i>	25269.4	ug/kg	

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

Approved by: *Ja F*
Date: *4/26/96*

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FEDERAL GAS COM L 1E

July 23, 1996

Amoco

Sec. 14-30N-11W

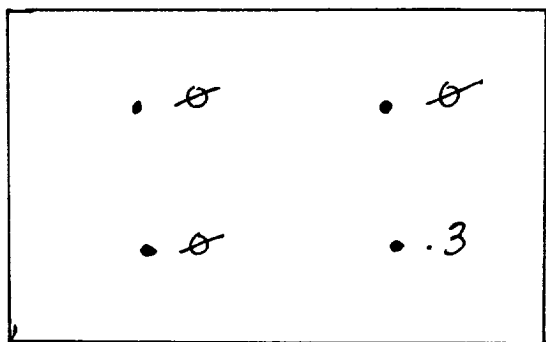
Land Farm: On Location

48 Yards

Composite Sample #: 960723115

Soil Vapor Head-Space Reading = 9.1 ppm (PID)

Sample depths between 2" and 12"



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: *24-Jul-96*
COC No.: *4911*
Sample No. *11575*
Job No. *2-1000*

Project Name: *PNM Gas Services - Federal Gas Com L #1E Landfarm*
Project Location: *9607231115; 4pt. Composite, 2" - 12" depth*
Sampled by: *GC* Date: *23-Jul-96* Time: *11:15*
Analyzed by: *HR* Date: *24-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>5.7</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

DRO QC No.: 0479-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>1,798</i>	<i>10.1</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>100</i>	<i>(70-130)</i>	<i>2</i>	<i>20%</i>

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

Approved by: *Jack*
Date: *7/24/96*

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