

Date Remediation Started: 10/9/96 Date Completed: 10/16/96

Remediation Method: Excavation X Approx. Cubic Yard 609
 (Check all appropriate sections) Landfarmed X Amount Landfarmed (cubic yds) 579
 Other _____

Remediation Location: Onsite _____ Offsite Kutz Deep Gas Com D-1E, Amoco. Sec 27-28N-10W-Unit 1.
 (If landfarmed onsite, name and location of offsite facility)

Backfill Material Location: _____

General Description of Remedial Action:

Excavated contaminated soil to pit size of 28'x28'x21' 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 26' @ bottom

Sample date 10/14/96 Sample time 1:30:00 PM

Sample Results

Benzene (ppm) 0.0093

Total BTEX (ppm) 7.0422

Field headspace (ppm) _____

TPH 107.10 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 April 28, 1997

SIGNATURE

Denver Bearden

PRINTED NAME AND TITLE
 Denver Bearden
 Administrator III

Federal Gas Com #2

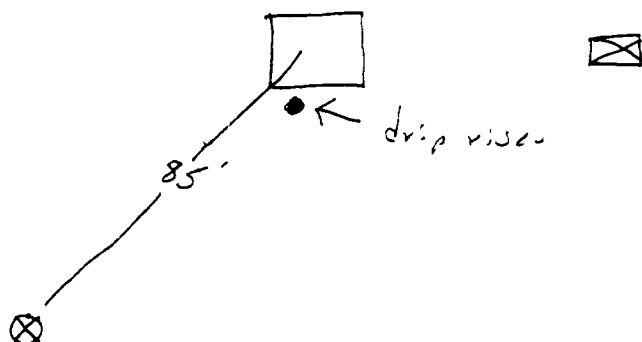
10-9-96

Amoco

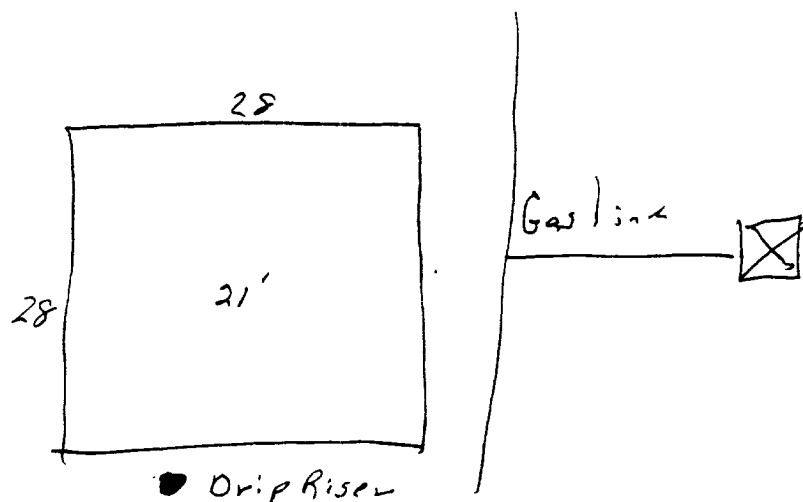
Sec. 27, T28N, R10W, Unit "m"

Start of excavation:

20° E of N



End of Excavation: 28' x 28' x 21' = 609 yds.



vertical extent to 26'

East & South boundaries, (Gas Lines)



Diesel Range Organics

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

Date: *17-Oct-96*
 COC No.: *5071*
 Sample No. *12587*
 Job No. *2-1000*

Project Name: *PNM Gas Services - Federal Gas Com #2*
 Project Location: *9610141330; 5pt. Composite, Walls @ 20' and Bottom @ 26'*
 Sampled by: *GC* Date: *14-Oct-96* Time: *13:30*
 Analyzed by: *DC/HR* Date: *17-Oct-96*
 Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Diesel Range Organics (C10 - C28)	107.1	mg/kg	5.0	mg/kg

Quality Assurance Report

DRO QC No.: *0489-QC*

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	<5.0	ppm	100	99	0.7	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Diesel Range (C10-C28)	105	114	(70-130)	6	20%

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

Approved by: *[Signature]*
 Date: *10/17/96*

LAB: (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: *17-Oct-96*
COC No.: *5071*
Sample No. *12587*
Job No. *2-1000*

Project Name: *PNM Gas Services - Federal Gas Com #2*
Project Location: *9610141330; 5pt. Composite, Walls @ 20' & Bottom @ 26'*
Sampled by: *GC* Date: *14-Oct-96* Time: *13:30*
Analyzed by: *DC* Date: *17-Oct-96*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Benzene	9.3	ug/kg	0.2	ug/kg
Toluene	290.5	ug/kg	0.2	ug/kg
Ethylbenzene	424.1	ug/kg	0.2	ug/kg
m,p-Xylene	4955.0	ug/kg	0.2	ug/kg
o-Xylene	1363.4	ug/kg	0.2	ug/kg
	TOTAL	7042.2	ug/kg	

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

Approved by: *[Signature]*
Date: *10/17/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Federal Gas Com #2
Amoco
Sec. 27, 28N, 10W

12-26-96

Land Farm: Kutz Deep Gas Com "D" 1E
Amoco
Sec 27, 28N, 10W

Composite sample # 9612261115

soil vapor headspace PID reading = 19.6 ppm

0	1.3
1.9	2.1
0	3.1

⊗

2"-12" depth



Diesel Range Organics

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

Date: *2-Jan-97*
 COC No.: *5152*
 Sample No. *13265*
 Job No. *2-1000*

Project Name: *PNM Gas Services - Federal Gas Com #2 Landfarm*
 Project Location: *9612261115; 6pt. Composite, 2"-12" deep*
 Sampled by: *GC* Date: *26-Dec-96* Time: *11:15*
 Analyzed by: *DC* Date: *2-Jan-97*
 Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	<i>29.8</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

DRO QC No.: *0512-QC*

Calibration Check

Parameter	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>100</i>	<i>96</i>	<i>3.7</i>	<i>15%</i>

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
<i>Diesel Range (C10-C28)</i>	<i>88</i>	<i>92</i>	<i>(70-130)</i>	<i>3</i>	<i>20%</i>

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

Approved by: *[Signature]*
 Date: *1/2/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -