

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

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

District III  
1000 Rio Brazos Rd, Aztec, NM 87410

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

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED  
NOV - 1 1999

OIL CON. DIV.  
DIST. 3

Operator: PNM Gas Services ( Burlington ) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Grenier #4 Dehy

Location: Unit D Sec 7 T 31 N R 11 W County San Juan

Pit Type: Separator ☐ Dehydrator ☒ Other

Land Type: BLM ☒ State ☐ Fee ☐ Other

Pit Location: Pit dimensions: length 12 ' width 12 ' depth 3 '

(Attach diagram) Reference: wellhead ☒ other

Footage from reference: 60'

Direction from reference: 45 Degrees ☒ East North ☒  
of ☐ West 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

Wellhead Protection Area: Yes (20 points)  
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

Grenier #4 Dehy

Date Remediation Started: 05/19/1999

Date Completed: 05/19/1999

Remediation Method:

Excavation

X

Approx. Cubic Yard

588

(Check all appropriate sections)

Landfarmed

X

Amount Landfarmed (cubic yds)

550

Other

38 cu yds overburden

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 a pit size of 38' X 38' X 11' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerated by disking/plowing until soil met regulatory levels.

Ground Water Encountered:

No

☒

Yes

☐

Depth

Final Pit Closure Sampling:

Sample Location

5 pt. composite - bottom.

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample depth

11'

Sample date

05/19/1999

Sample time

10:35:00 AM

Sample Results

Benzene (ppm)

1.2

Total BTEX (ppm)

46.5

Field headspace (ppm)

TPH (ppm)

160.00

Method

8015B

Vertical Extent (ft)

Risk Analysis 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 October 28, 1999

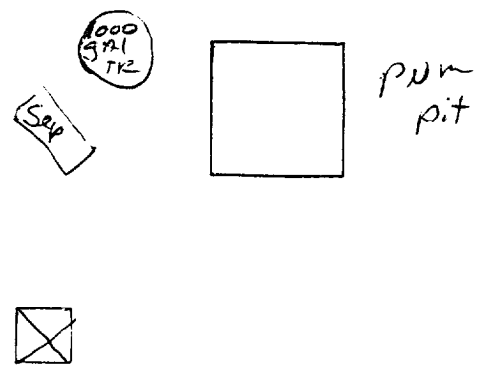
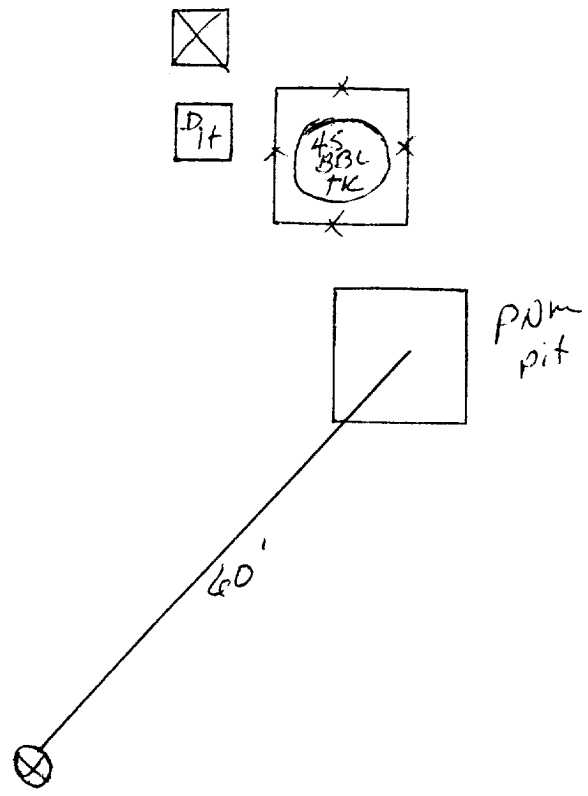
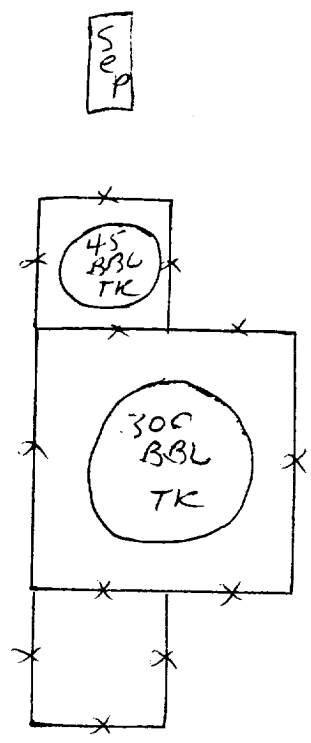
SIGNATURE

*Maureen Gannon*

PRINTED NAME Maureen Gannon  
AND TITLE Project Manager

Sec. 7 T31N R11W Unit D  
Burlington

# Site Drawing



STATION 1.00  
Sec. 7 T.31N R.11W Unit D  
Barlington

# Excavation Drawing

38' x 38' x 11'

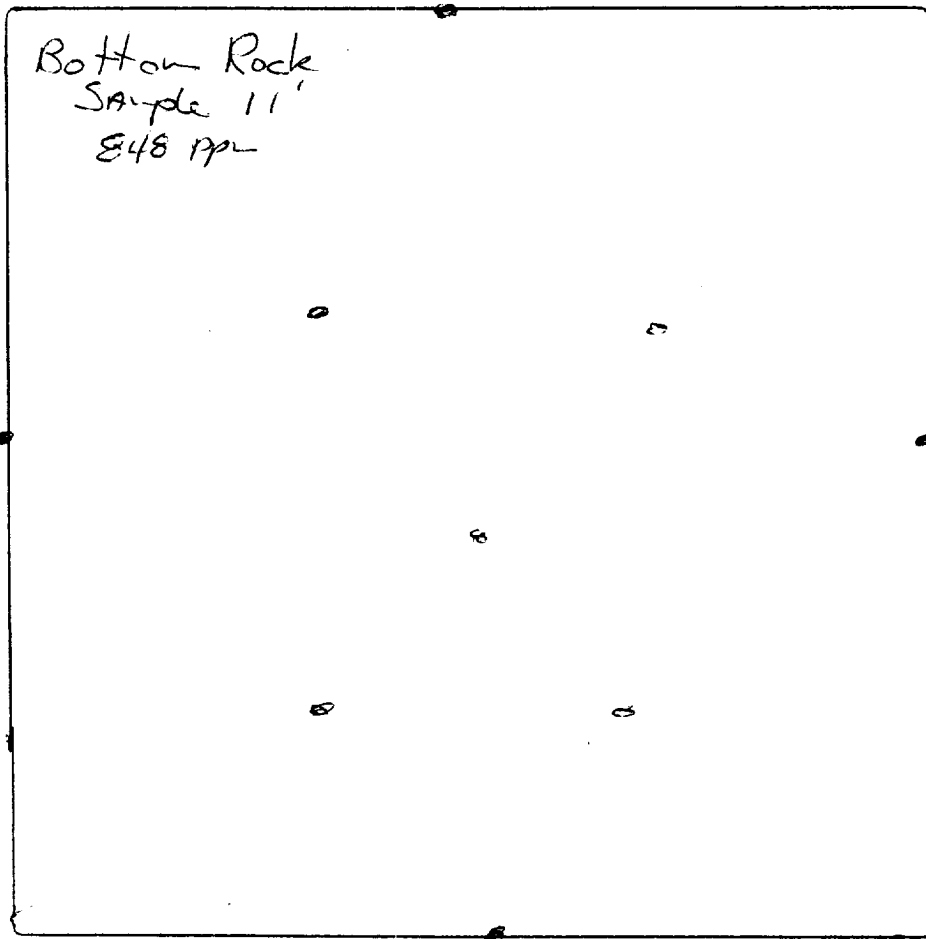
North Wall  
Sample 6'  
151 ppm

Bottom Rock  
Sample 11'  
848 ppm

West Wall  
Sample 10'  
412 ppm

East Wall  
Sample 10'  
824 ppm

South Wall  
Sample 10'  
383 ppm



OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 27-May-99

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**CLIENT:** PNM - Public Service Company of NM

**Project:** PNM Pit Remediation

**Lab Order:** 9905069

## **CASE NARRATIVE**

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Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 27-May-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Grenier 4 DH
<b>Work Order:</b>	9905069	<b>Client Sample ID:</b>	9905191035; 5pt. Bottom Comp
<b>Lab ID:</b>	9905069-04A	<b>Matrix:</b>	SOIL
<b>Project:</b>	PNM Pit Remediation	<b>Collection Date:</b>	5/19/99 10:35:00 AM
		<b>COC Record:</b>	7685

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				Analyst: DC
T/R Hydrocarbons: C10-C28	160	25		mg/Kg	1	5/25/99
<b>AROMATIC VOLATILES BY GC/PID</b>		<b>SW8021B</b>				Analyst: DM
Benzene	1200	1000		µg/Kg	1000	5/21/99
Toluene	12000	2000		µg/Kg	1000	5/21/99
Ethylbenzene	3000	1000		µg/Kg	1000	5/21/99
m,p-Xylene	26000	2000		µg/Kg	1000	5/21/99
o-Xylene	4300	1000		µg/Kg	1000	5/21/99

46500  
46.5 ppm

<b>Qualifiers:</b>	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted recovery limits
	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Surr: - Surrogate

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -



## ANALYTICAL REPORT

Date: 27-May-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Grenier 4 DH
<b>Work Order:</b>	9905069	<b>Client Sample ID:</b>	9905191030; 4pt. Wall Comp
<b>Lab ID:</b>	9905069-03A	<b>Matrix:</b>	SOIL
<b>Project:</b>	PNM Pit Remediation	<b>Collection Date:</b>	5/19/99 10:30:00 AM
		<b>COC Record:</b>	7685

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>						
		<b>SW8015B</b>				Analyst: <b>DC</b>
T/R Hydrocarbons: C10-C28	250	25		mg/Kg	1	5/25/99
<b>AROMATIC VOLATILES BY GC/PID</b>						
		<b>SW8021B</b>				Analyst: <b>DM</b>
Benzene	2600	500		µg/Kg	500	5/21/99
Toluene	18000	1000		µg/Kg	500	5/21/99
Ethylbenzene	4700	500		µg/Kg	500	5/21/99
m,p-Xylene	41000	1000		µg/Kg	500	5/21/99
o-Xylene	9100	500		µg/Kg	500	5/21/99

15400  
15.4 ppm

<b>Qualifiers:</b>	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted recovery limits
	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Surr: - Surrogate

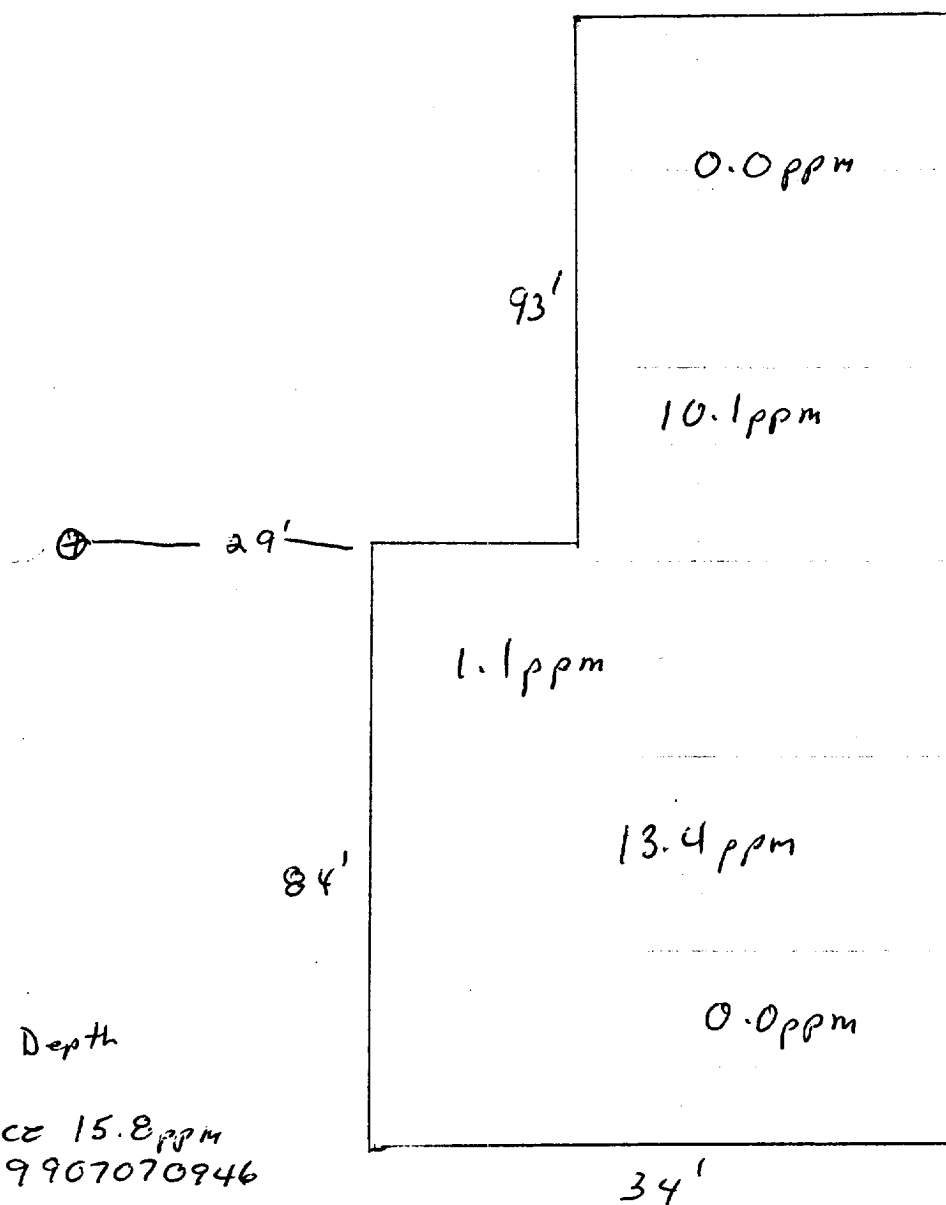
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1 of 1

Grenier #4 (DH)  
Sec-7 T-31N R-11W ul  
Burlington

# LAND FARM DRAWING

App 588 cu yds



2" to 12" Depth

HEADSPACE 15.8 ppm  
Sample # 9907070946

Not to Scale



OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 22-Jul-99

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** Dusenbery, Grenier & Horton LF  
**Lab Order:** 9907013

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**CASE NARRATIVE**

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

120n

OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 22-Jul-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Grenier 4 DH LF
<b>Work Order:</b>	9907013	<b>Client Sample ID:</b>	9907070946; 5pt Comp
<b>Lab ID:</b>	9907013-04A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Dusenbery, Grenier & Horton LF	<b>Collection Date:</b>	7/7/99 9:46:00 AM
		<b>COC Record:</b>	7032

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				Analyst: DC
T/R Hydrocarbons: C10-C28	32	25		mg/Kg	1	7/19/99

**Qualifiers:**

PQL - Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

ND - Not Detected at Practical Quantitation Limit

R - RPD outside accepted recovery limits

J - Analyte detected below Practical Quantitation Limit

E - Value above quantitation range

B - Analyte detected in the associated Method Blank

Surr: - Surrogate

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