

<b>Operator:</b>	PNM Gas Services ( Burlington )		<b>Telephone:</b>	324-3764	
<b>Address:</b>	603 W. Elm Street Farmington, NM 87401				
<b>Facility or Well Name:</b>	Grenier B #4				
<b>Location:</b>	Unit	G	Sec	4	T 29 N R 10 W County San Juan
<b>Pit Type:</b>	Separator	<input checked="" type="checkbox"/>	Dehydrator	<input type="checkbox"/>	Other
<b>Land Type:</b>	BLM	<input checked="" type="checkbox"/>	State	<input type="checkbox"/>	Fee <input type="checkbox"/> Other

<b>Pit Location:</b>	Pit dimensions:	length	20'	width	20'	depth	3'
(Attach diagram)	Reference:	wellhead	<input checked="" type="checkbox"/>	other			
	Footage from reference:	150'					
	Direction from reference:	15	Degrees	<input checked="" type="checkbox"/>	East	North	<input checked="" type="checkbox"/>
				<input type="checkbox"/>	West	South	<input type="checkbox"/>
					of		

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

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

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

<b>RANKING SCORE (TOTAL POINTS) :</b>	0
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Grenier B #4

Date Remediation Started: 06/15/1999

Date Completed: 06/15/1999

Remediation Method: Excavation ☒

Approx. Cubic Yard 425

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 345

Other 80 cu yds overburden

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 a pit size of 25' X 23' X 20' 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 20'

Sample date 06/15/1999

Sample time 2:40:00 PM

Sample Results

Benzene (ppm) < 0.1

Total BTEX (ppm) 47

Field headspace (ppm)

TPH (ppm) 280.00

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

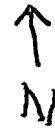
SIGNATURE

*Maureen Gannon*

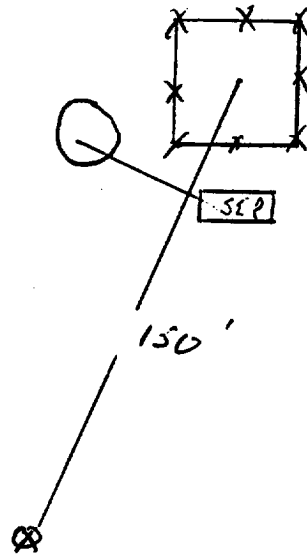
PRINTED NAME Maureen Gannon  
AND TITLE Project Manager

Grenier B #4  
Burlington  
Sec. 4, 29 N, 10 W, 6

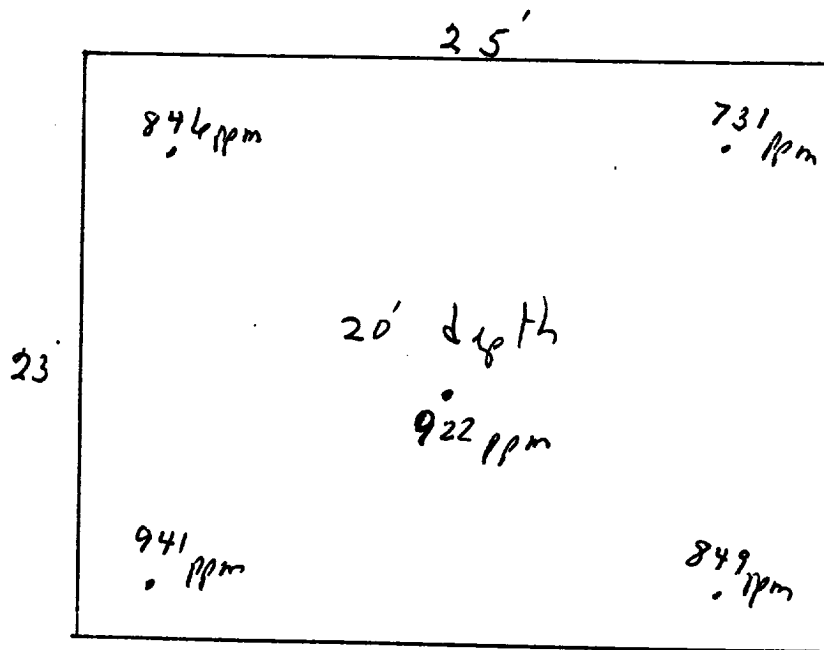
6-15-99



Site diagram:



End of excavation:



Field headspace: 7.9 ppm (walks)

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 30-Jun-99

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** PNM Pit Remediation  
**Lab Order:** 9906053

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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.

GC

OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 30-Jun-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Grenier B#4
<b>Work Order:</b>	9906053	<b>Client Sample ID:</b>	9906151440; 20ft. - 5 pt composite bottom
<b>Lab ID:</b>	9906053-09A	<b>Matrix:</b>	SOIL
<b>Project:</b>	PNM Pit Remediation	<b>Collection Date:</b>	6/15/99 2:40:00 PM
		<b>COC Record:</b>	7611

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>						
		<b>SW8015B</b>				Analyst: DC
T/R Hydrocarbons: C10-C28	280	25		mg/Kg	1	6/28/99
<b>AROMATIC VOLATILES BY GC/PID</b>						
		<b>SW8021B</b>				Analyst: DC
Benzene	ND	100		µg/Kg	100	6/24/99
Toluene	5300	200		µg/Kg	100	6/24/99
Ethylbenzene	2800	100		µg/Kg	100	6/24/99
m,p-Xylene	32000	200		µg/Kg	100	6/24/99
o-Xylene	6900	100		µg/Kg	100	6/24/99

47000  
47.0 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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- TRUST IN OUR REMEDIATION CAPABILITY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 30-Jun-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Grenier B#4
<b>Work Order:</b>	9906053	<b>Client Sample ID:</b>	9906151445; 15ft.
<b>Lab ID:</b>	9906053-10A	<b>Matrix:</b>	SOIL
<b>Project:</b>	PNM Pit Remediation	<b>Collection Date:</b>	6/15/99 2:45:00 PM
		<b>COC Record:</b>	7611

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/25/99

<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

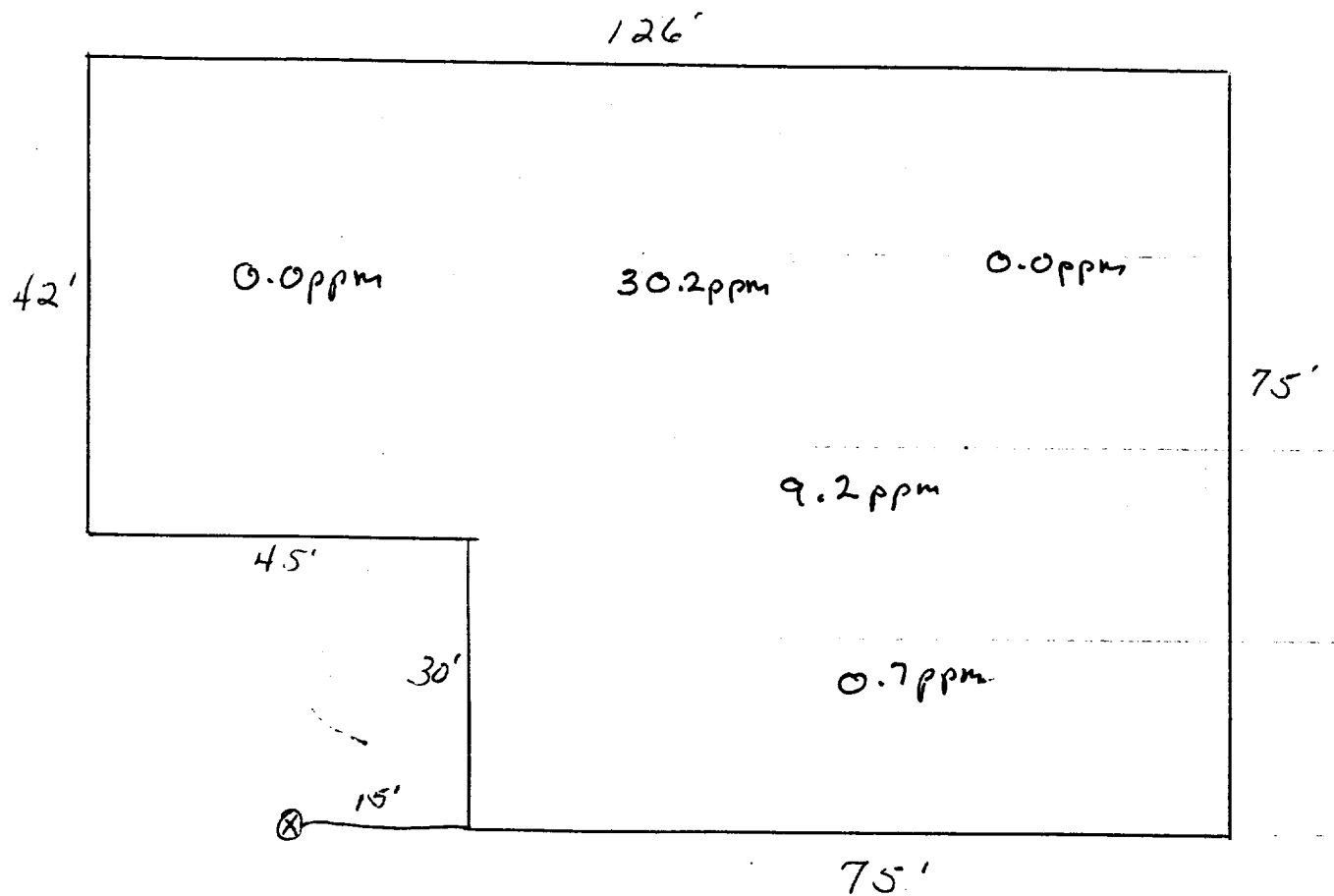
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Sec. 4 T29N R10W Unit G.  
Burlington

# Landfarm Drawing

App 345 cu yds



Not to scale

2" to 12" Depth  
Headspace 3.1 ppm  
Sample # 9907141348

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 30-Jul-99

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

**Project:** PNM Pit Remediation Landfarms

**Lab Order:** 9907036

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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.



OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 30-Jul-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Grenier B-4 LF
<b>Work Order:</b>	9907036	<b>Client Sample ID:</b>	9907141348; 5pt Comp
<b>Lab ID:</b>	9907036-04A	<b>Matrix:</b>	SOIL
<b>Project:</b>	PNM Pit Remediation Landfarms	<b>Collection Date:</b>	7/14/99 1:48:00 PM
		<b>COC Record:</b>	7491

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				<b>Analyst: DC</b>
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/29/99

<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 -

submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

200 APR -6 PM 1:10  
Sundry Notices and Reports on Wells

070 FARMINGTON, NM

1. Type of Well  
GAS

2. Name of Operator

**BURLINGTON  
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9400

4. Location of Well, Footage, Sec., T, R, M

1850'FNL, 1580'FEL, Sec.4, T-29-N, R-10-W, NMPM

5. Lease Number  
NM-03561

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Grenier B #4

9. API Well No.  
30-045-08772

10. Field and Pool  
Blanco MV/Basin DK

11. County and State  
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment

Type of Action

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other - pump repair  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut off  
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

3-20-00 MIRU. TOO H w/pump & rods. ND WH. NU BOP. TOO H w/2 3/8" tbg.  
3-22-00 TIH w/215 jts 2 3/8" 4.7# J-55 tbg, set @ 6820'. ND BOP. NU WH. TIH w/pump  
& rods. PT & pump action, OK. RD. Rig released.

14. I hereby certify that the foregoing is true and correct.

Signed *Penny Cole* Title Regulatory Administrator Date 4/6/00

FOR RECORD

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date APR 10 2000

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOC

FARMINGTON FIELD OFFICE