

District I
P.O. Box 130 Hobbs, NM

District II
P.O. Box 130 Hobbs, NM

District III
1000 Rio Brazos Rd., Acton, NM 87410
SEP 03 1999

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
JUL 30 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 #3A

Location: Unit G Sec 13 T 31 N R 12 W County San Juan

Pit Type: Separator ☐ Dehydrator ☒ Other

Land Type: BLM ☒ State ☐ Fee ☐ Other

Pit Location: Pit dimensions: length 12' width 12' depth 2'

(Attach diagram) Reference: wellhead ☒ other

Footage from reference: 132'

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

Depth to Ground Water:

(Vertical distance from contaminants to
seasonal high water elevation of 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:

(Less than 200 feet from a private
domestic water source, or, less than 1,000
feet from all other water sources)

Yes (20 points)
No (0 points) 0

Distance to Surface Water:

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

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 #3A

Date Remediation Started: 05/17/1999

Date Completed: 05/17/1999

Remediation Method: Excavation ☒ Approx. Cubic Yard 40

(Check all appropriate sections)

Landfarmed ☒ Amount Landfarmed (cubic yds) 40

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 a pit size of 15' X 12' X 6' 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 6'

Sample date 05/17/1999

Sample time 9:05:00 AM

Sample Results

Benzene (ppm) 3.2

Total BTEX (ppm) 47.2

Field headspace (ppm) _____

TPH (ppm) 45.00 Method 8015B

Vertical Extent (ft) _____

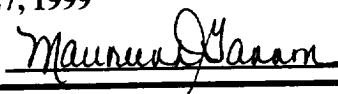
Risk Analysis form attached Yes ☐ No ☒Ground Water Sample: Yes ☐ No ☒

(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 July 27, 1999

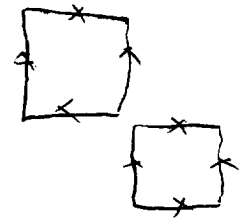
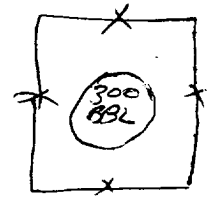
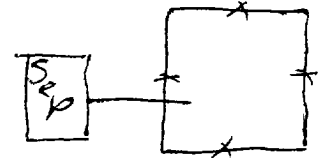
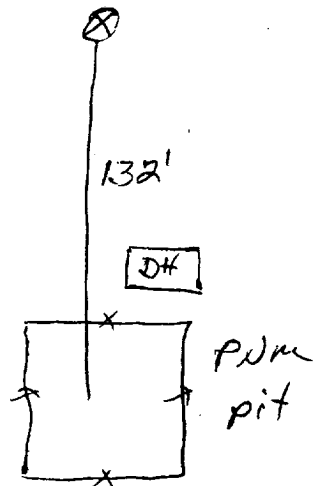
SIGNATURE



PRINTED NAME Maureen Gannon
AND TITLE Project Manager

renier 3A
Sec. 13 T. 31N R. 2W Unit G
Burlington

Site Drawing



Frederic 3A
Sec. 13 T31N R12W Unit G
Burlington

Excavation Drawing

15' x 12' x 6'

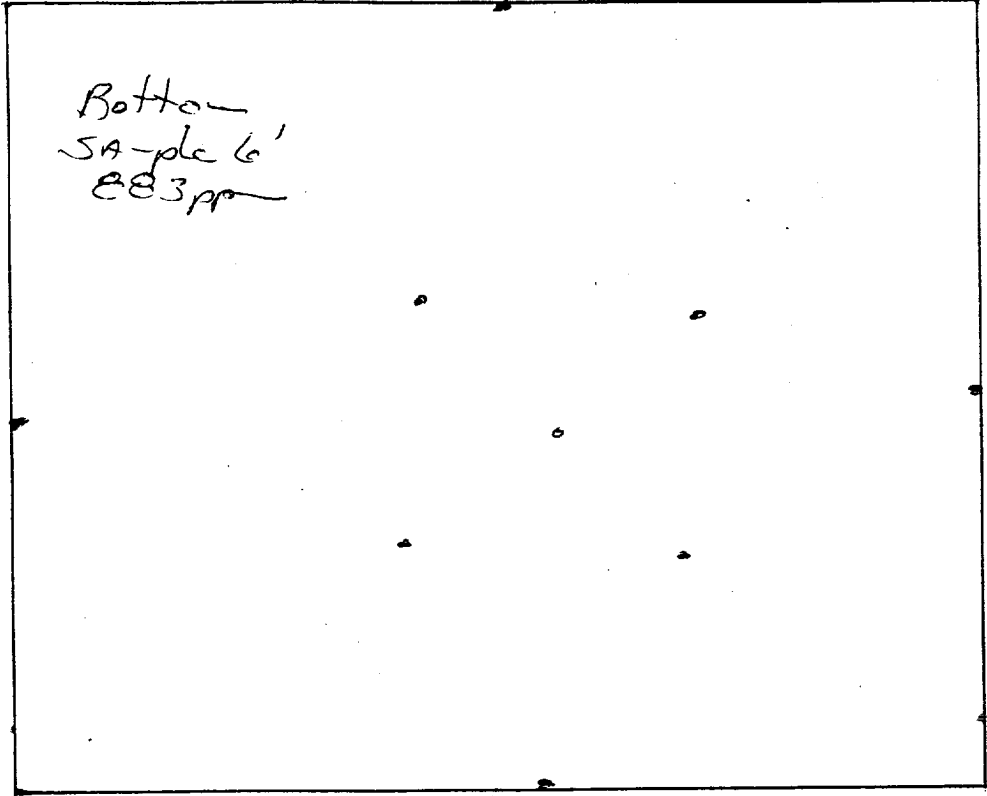
North Wall
Sample 4'
688 ppm

Bottom
Sample 6'
883 ppm

West Wall
Sample 4'
710 ppm

East Wall
Sample 4'
645 ppm

South Wall
Sample 4
708 ppm



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 02-Jun-99

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation

Lab Order: 9905061

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: 02-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Grenier 3A
Work Order:	9905061	Client Sample ID:	9905170905; 5pt. Bottom Comp
Lab ID:	9905061-03A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	5/17/99 9:05:00 AM
		COC Record:	7683

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	45	25		mg/Kg	1	5/21/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: DM
Benzene	3200	250		µg/Kg	250	5/18/99
Toluene	19000	500		µg/Kg	250	5/18/99
Ethylbenzene	2000	250		µg/Kg	250	5/18/99
m,p-Xylene	19000	500		µg/Kg	250	5/18/99
o-Xylene	4000	250		µg/Kg	250	5/18/99

47,200
47.2 ppm

Qualifiers:

- PQL - Practical Quantitation Limit
- ND - Not Detected at Practical Quantitation Limit
- J - Analyte detected below Practical Quantitation Limit
- B - Analyte detected in the associated Method Blank

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- Surr: - Surrogate

1 of 1

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 02-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Grenier 3A
Work Order:	9905061	Client Sample ID:	9905170900; 4pt. Wall Comp
Lab ID:	9905061-02A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	5/17/99 9:00:00 AM
		COC Record:	7683

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS						
		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	52	25		mg/Kg	1	5/20/99
AROMATIC VOLATILES BY GC/PID						
		SW8021B				Analyst: DM
Benzene	19000	2500		µg/Kg	2500	5/19/99
Toluene	77000	5000		µg/Kg	2500	5/19/99
Ethylbenzene	8300	2500		µg/Kg	2500	5/19/99
m,p-Xylene	71000	5000		µg/Kg	2500	5/19/99
o-Xylene	14000	2500		µg/Kg	2500	5/19/99

189300
189.3 ppm

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

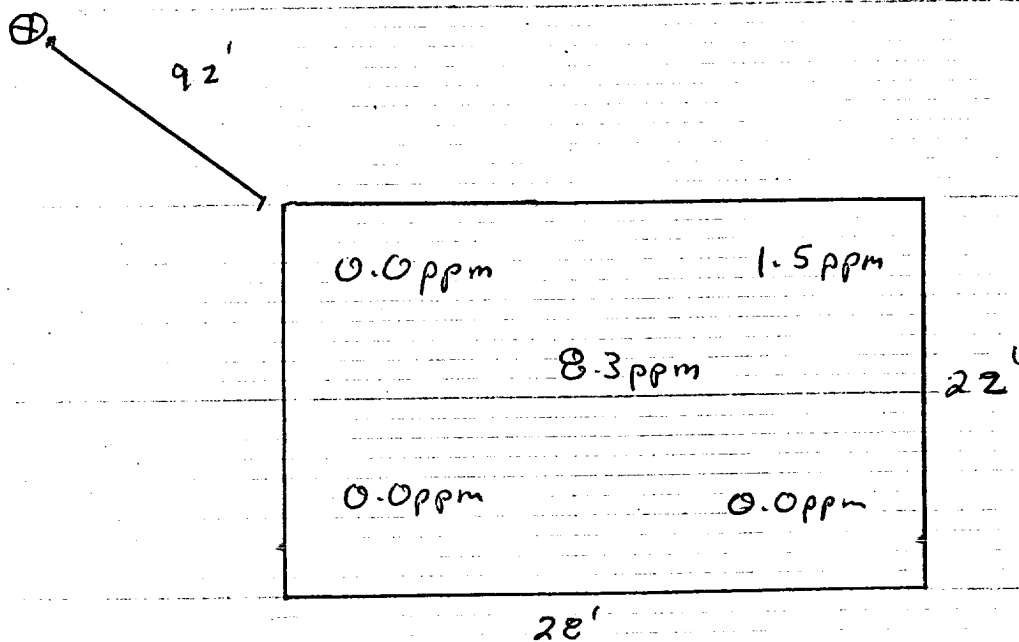
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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Grenier #3A
Sec-13 T-31N R12W 44
Burlington

Landfarm Drawing

App 40 cu yds



2" to 12" Depth
Headspace 21.2 ppm
Sample # 9906211110

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 07-Jul-99

CLIENT: PNM - Public Service Company of NM
Project: Grenier 3A, 17E, 4 Sep, 10, & Horton 1 LF
Lab Order: 9906068

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.

Kon

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 07-Jul-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Grenier 3A LF
Work Order:	9906068	Client Sample ID:	9906211110; 5pt Comp
Lab ID:	9906068-01A	Matrix:	SOIL
Project:	Grenier 3A, 17E, 4 Sep, 10, & Horton 1 LF	Collection Date:	6/21/99 11:10:00 AM
		COC Record:	7487

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

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

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