

District I
P.O. Box 1986, Hobbs, NM

District II
P.O. Draw 1001, Las Alamos, NM 87801

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

OK
PCK
B-1-00K
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE,
AND 1 COPY TO
SANTA FE OFFICE

Denny E. Faust
DEPUTY OIL & GAS INSPECTOR

SEP 03 1999

RECEIVED
JUL 30 1999

OIL CON. DIV.
DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Burlington) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Grenier #4 Separator
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 1'
(Attach diagram) Reference: wellhead ☒ other _____
Footage from reference: 69'
Direction from reference: Due Degrees ☐ East North ☐
of ☐ West South ☒

Depth to Ground Water: 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

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)
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches) Greater than 1,000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0

Grenier #4 Separator

Date Remediation Started: 05/19/1999

Date Completed: 05/19/1999

Remediation Method:

Excavation ☒

Approx. Cubic Yard 133

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 100

Other 33 cu yds overburden

Remediation Location:

(i.e., landfarmed onsite, name and location of offsite facility)

Onsite ☒

Offsite ☐

Backfill Material Location:

General Description of Remedial Action:

Excavated contaminated soil to a pit size of 20' X 20' X 9' 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.

*** Sandstone encountered at 9'.

Ground Water Encountered:

No ☒

Yes ☐

Depth

Final Pit Closure Sampling:

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

Sample Location 5 pt. composite - bottom.

Sample depth 9'

Sample date 05/19/1999

Sample time 8:00:00 AM

Sample Results

Benzene (ppm) < 2.500

Total BTEX (ppm) 74.900 ***

Field headspace (ppm)

TPH (ppm) 170.00

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

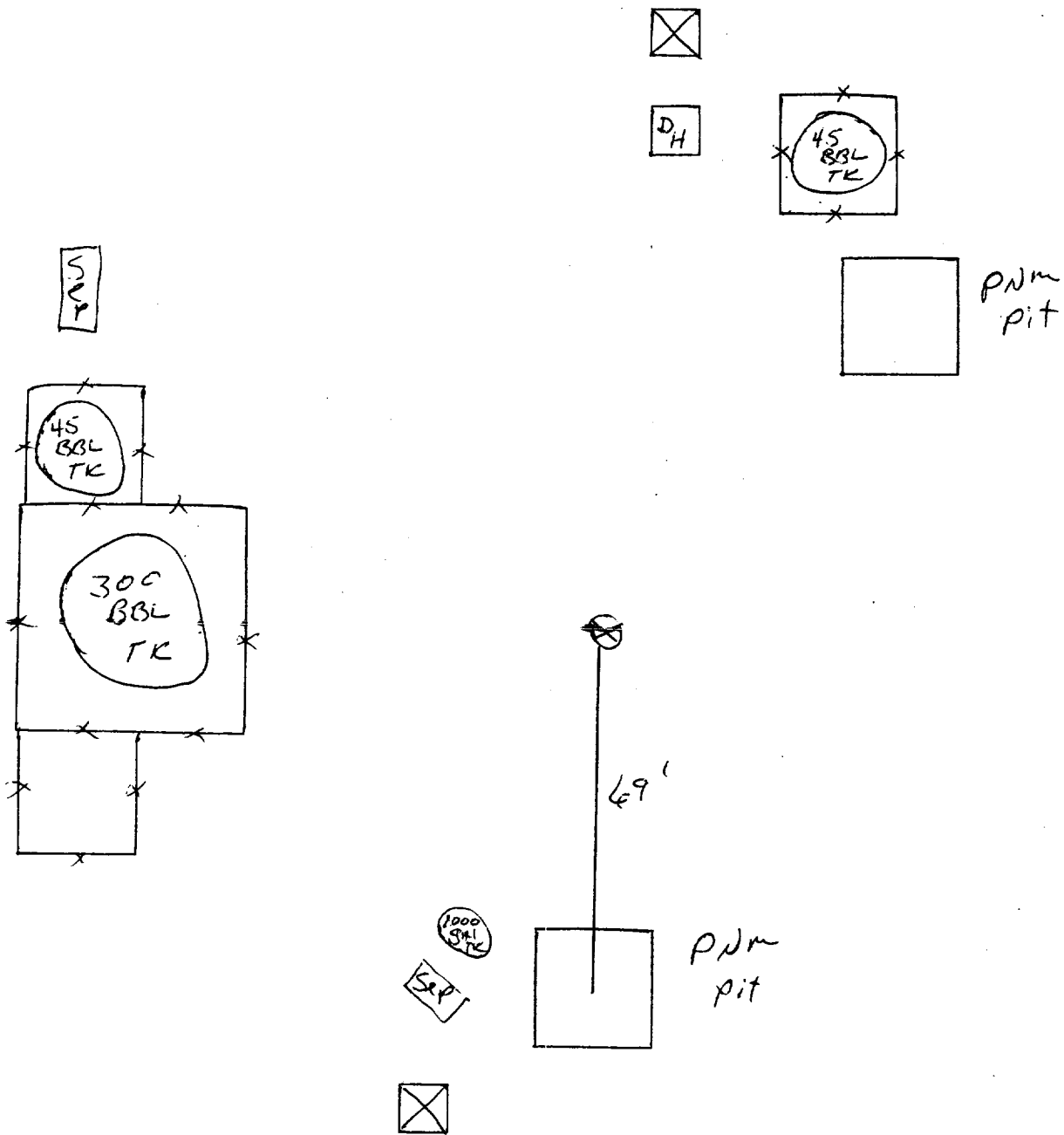
SIGNATURE

Maureen Gannon

PRINTED NAME Maureen Gannon
AND TITLE Project Manager

Sec. 7 T31N R11W Unit D
Burlington

Site Drawing



Sec. 7 T31N R11W Unit D
Burlington

Excavation Drawing

20' x 20' x 9'

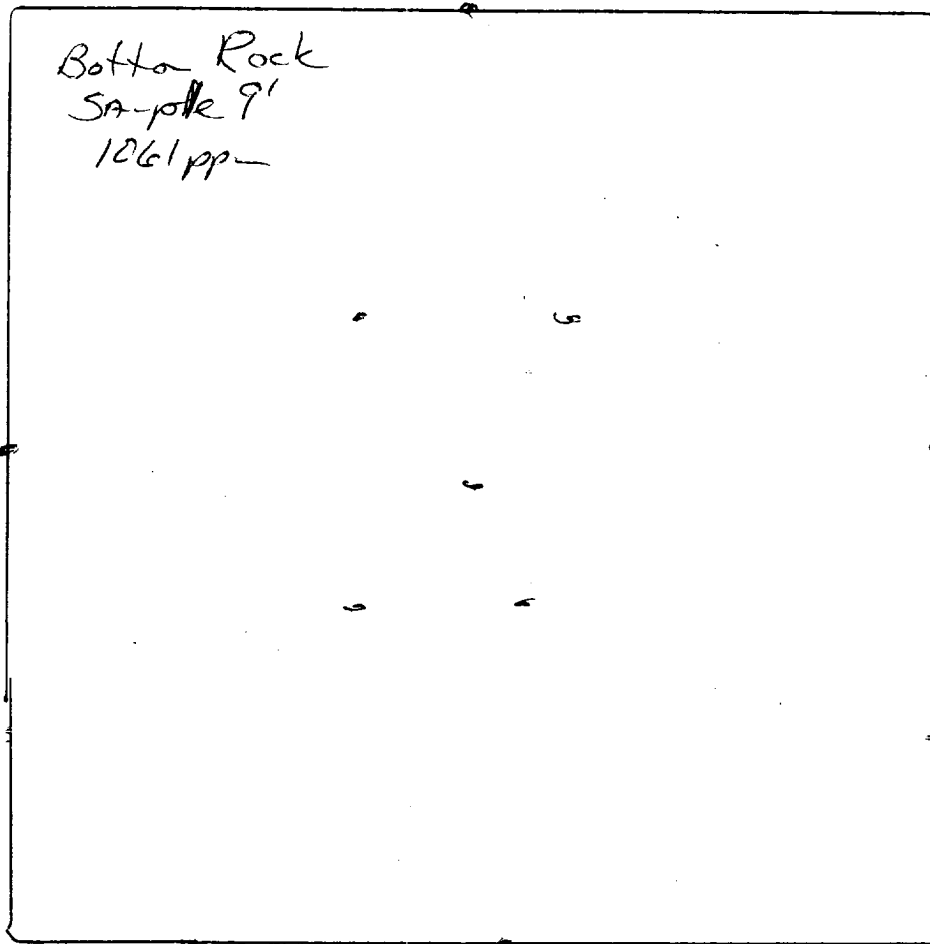
North Wall
Sample 8'
4.7 ppm

Bottom Rock
Sample 9'
1061 ppm

West Wall
Sample 8'
13.2 ppm

East Wall
Sample 8'
0.0 ppm

South Wall
Sample 8'
1.1 ppm



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 27-May-99

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation
Lab Order: 9905069

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.



ANALYTICAL REPORT

Date: 27-May-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Grenier 4 Sep.
Work Order:	9905069	Client Sample ID:	9905190800; 5pt. Bottom Comp
Lab ID:	9905069-02A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	5/19/99 8:00:00 AM
		COC Record:	7685

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS						
T/R Hydrocarbons: C10-C28	170	25		mg/Kg	1	5/25/99
AROMATIC VOLATILES BY GC/PID						
Benzene	ND	2500		µg/Kg	2500	5/21/99
Toluene	7800	5000		µg/Kg	2500	5/21/99
Ethylbenzene	6100	2500		µg/Kg	2500	5/21/99
m,p-Xylene	49000	5000		µg/Kg	2500	5/21/99
o-Xylene	12000	2500		µg/Kg	2500	5/21/99

74900
74.900 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

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 27-May-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Grenier 4 Sep.
Work Order:	9905069	Client Sample ID:	9905190755; 4pt. Wall Comp
Lab ID:	9905069-01A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	5/19/99 7:55:00 AM
		COC Record:	7685

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	Analyst: DC 5/25/99

Qualifiers:

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- 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

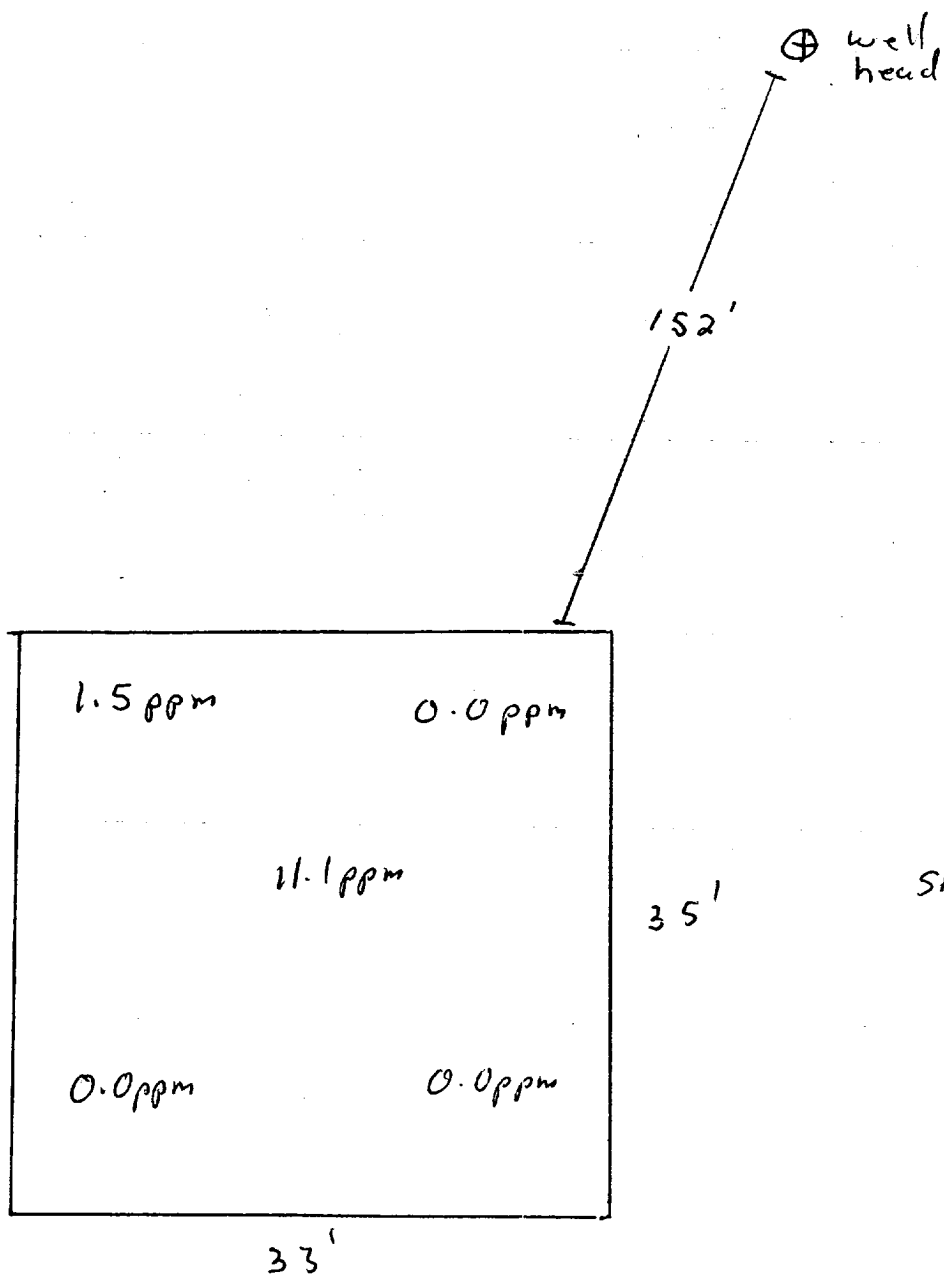
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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Grenier # 4 (SEP)
Sec-7 T-31N R-11W 46-D
Burlington

Landfarm Drawing
App 133 cu yds



2" to 12" Depth
Headspace 1.5 ppm
Sample # 990621/246

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.

Ron

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 4 Sep. LF
Work Order:	9906068	Client Sample ID:	9906211246; 5pt Comp
Lab ID:	9906068-03A	Matrix:	SOIL
Project:	Grenier 3A, 17E, 4 Sep, 10, & Horton 1 LF		Collection Date: 6/21/99 12:46:00 PM
		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	7/2/99

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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