

Denny E. Foust
District I **DEPUTY OIL & GAS INSPECTOR**
P.O. Box 1980, Hobbs, NM

District II
P.O. Drawer DD, Artesia **SEP 03 1999**

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
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: Federal A #1 Burlington

Location: Unit K Sec 25 T 31 N R 13 W County San Juan

Pit Type: Separator ☒ Dehydrator ☐ Other _____

Land Type: BLM ☒ State ☐ Fee ☐ Other _____

Pit Location: Pit dimensions: length 17' width 16' depth 3'

(Attach diagram) Reference: wellhead ☒ other _____

Footage from reference: 99'

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

Federal A #1 Burlington

Date Remediation Started: 05/24/1999

Date Completed: 05/24/1999

Remediation Method:

Excavation ☒

Approx. Cubic Yard 256

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 231

Other 25 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 pit size of 20' X 17' 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 05/24/1999

Sample time 11:30:00 AM

Sample Results

Benzene (ppm) 0.081

Total BTEX (ppm) 4.382

Field headspace (ppm)

TPH (ppm) 49.00

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

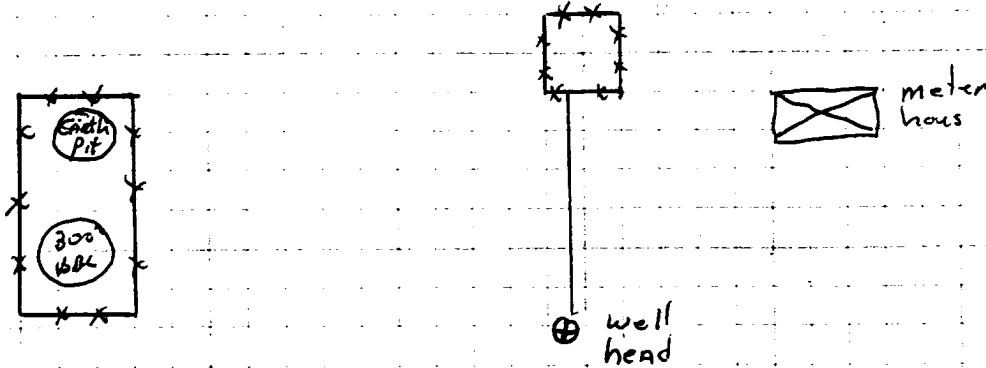
SIGNATURE

Maureen Gannon

PRINTED NAME Maureen Gannon
AND TITLE Project Manager

Federal A # 1
Sec 25 T 31 N R 13 W
Burlington

Site Drawing



Excavation Drawing

H.S. 28.3 ppm

North wall
Sample 18'
97.1 ppm

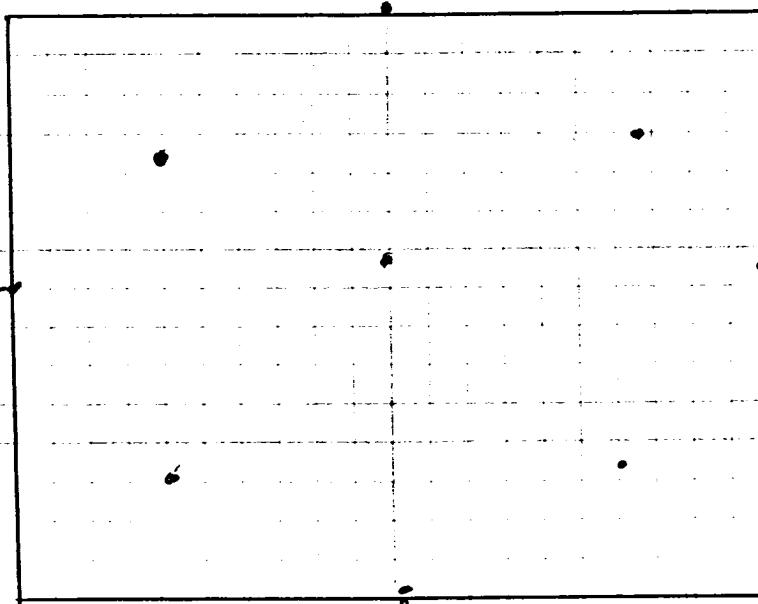
20' x 17' x 20'

West wall
Sample 18'
4.2 ppm

East wall
Sample 18'
13.8 ppm

South wall
Sample 18'
2.7 ppm

Bottom Sample
20' 125 ppm
Not to Scale



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 08-Jun-99

CLIENT: PNM - Public Service Company of NM
Project: Federal A#1
Lab Order: 9905083

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

Date: 08-Jun-99

ANALYTICAL REPORT

Client:	PNM - Public Service Company of NM	Client Sample Info:	Federal A#1
Work Order:	9905083	Client Sample ID:	9905241130; Spt. Bottom Comp
Lab ID:	9905083-01A	Matrix:	SOIL
Project:	Federal A#1	Collection Date:	5/24/99 11:30:00 AM
		COC Record:	7384

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	49	25		mg/Kg	1	6/1/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: DM
Benzene	81	50		µg/Kg	50	5/27/99
Toluene	110	100		µg/Kg	50	5/27/99
Ethylbenzene	510	50		µg/Kg	50	5/27/99
m,p-Xylene	3600	100		µg/Kg	50	5/27/99
o-Xylene	81	50		µg/Kg	50	5/27/99

4382
4.382 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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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 08-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Federal A#1
Work Order:	9905083	Client Sample ID:	9905241152; 4pt. Wall Comp
Lab ID:	9905083-02A	Matrix:	SOIL
Project:	Federal A#1	Collection Date:	5/24/99 11:52:00 AM
		COC Record:	7384

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	49	25		mg/Kg	1	6/1/99

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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Federal A# 1
Sec-25 T-31N R-12W UL
Burlington

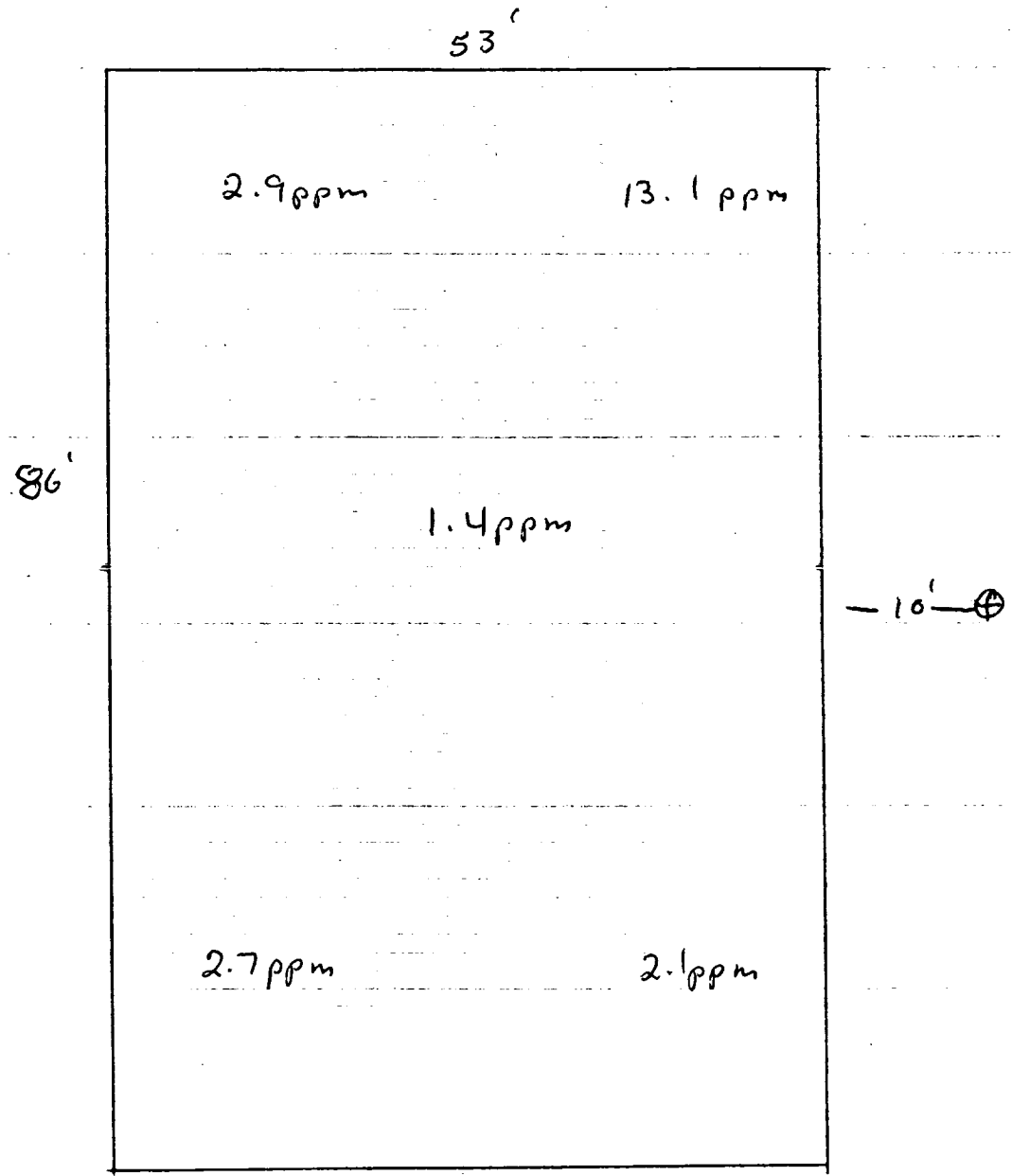
LANDFARM DRAWING

App 231 cu yds

2" to 12" Depth

HEADSPACE 14.2 ppm

SAMPLE # 9907011336



Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 19-Jul-99

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation Landfarms
Lab Order: 9907007

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: 19-Jul-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Federal A#1 LF
Work Order:	9907007	Client Sample ID:	9907011336; 5pt. Composite
Lab ID:	9907007-03A	Matrix:	SOIL
Project:	PNM Pit Remediation Landfarms	Collection Date:	7/1/99 1:36:00 PM
		COC Record:	7730

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/15/99

Qualifiers:

PQL - Practical Quantitation Limit

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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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