

District I
P.O. Box 19800005 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
CENTRAL OFFICE

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED
NOV 12 1998

OIL CON. DIV.
DIST. 3

Operator: PNM Gas Services (Dreyfus) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Federal 33-11
Location: Unit D Sec 33 T 27N R 11W County San Juan
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: BLM ☐ State ☐ Fee ☐ Other Navajo

Pit Location: Pit dimensions: length 18 width 18 depth 3
(Attach diagram) Reference: wellhead ☒ other ☐
Footage from reference: 61'
Direction from reference: 60 Degrees ☐ East North ☒
West of 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
(Vertical distance from contaminants to seasonal high water elevation of ground water)

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

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 6/9/98 Date Completed: 6/9/98

Remediation Method: Excavation X Approx. Cubic Yard 467
 Landfarmed X Amount Landfarmed (cubic yds) 467
 Other _____

(Check all appropriate sections)

Remediation Location: Onsite X Offsite _____
 (i.e., landfarmed onsite, name and location of offsite facility)

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 OIL CON. DIV.
 DIST. 3

Backfill Material Location: _____

General Description of Remedial Action:

Excavated contaminated soil to a pit size of 35' X 24' X 15' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerated by plowing until soil met regulatory levels.

Ground Water Encountered: No ☒ Yes ☐ Depth _____

Final Pit Closure Sampling:

Sample Location Bottom of excavation.

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

Sample depth 15'Sample date 6/9/98 Sample time 10:30:00 AM

Sample Results

Benzene (ppm) 0.0110Total BTEX (ppm) 0.2010

Field headspace (ppm) _____

TPH (ppm) < 25.00 Method 8015AVertical Extent (ft) _____ Risk Analysis form attached Yes ☐ No ☒

Ground Water Sample: Yes ☐ No ☒ (If yes, see attached Groundwater Site Summary Report)

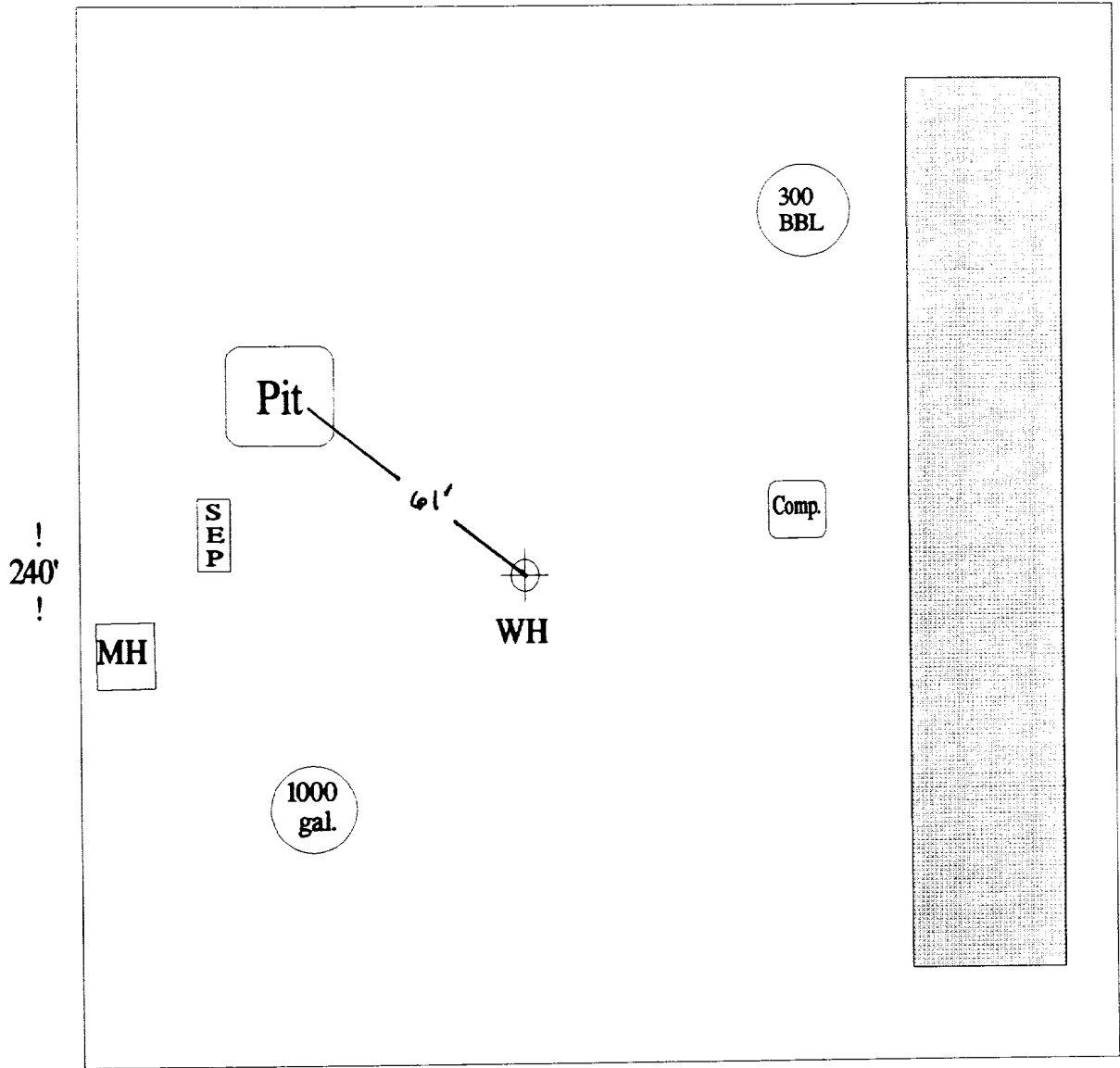
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

DATE **October 29, 1998**

PRINTED NAME **Maureen Gannon**
 AND TITLE **Project Manager**

SIGNATURE Maureen Gannon

Federal #33-11
Dreyfus
Lease # SF-078896
(D)-33-27N-11W
San Juan County



-160'-

OFF: (505) 325-5667



ON SITE

TECHNOLOGIES, LTD.

LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 16-Jun-98

CLIENT: PNM - Public Service Company of NM
Project: Federal 33-11
Lab Order: 9806026

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: 16-Jun-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Federal 33-11
Work Order:	9806026	Client Sample ID:	9806091030; Bottom
Lab ID:	9806026-01A	Matrix:	SOIL
Project:	Federal 33-11	Collection Date:	6/9/98 10:30:00 AM
		COC Record:	5228

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/15/98
BTEX		SW8020A				Analyst: DC
Benzene	11	2		µg/Kg	2	6/13/98
Toluene	20	4		µg/Kg	2	6/13/98
Ethylbenzene	22	2		µg/Kg	2	6/13/98
m,p-Xylene	120	4		µg/Kg	2	6/13/98
o-Xylene	28	2		µg/Kg	2	6/13/98

201
• 2010 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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- FARMINGTON, NM - FARMINGTON INDUSTRIES, INC.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 16-Jun-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Federal 33-11
Work Order:	9806026	Client Sample ID:	9806091050; Wall Composite
Lab ID:	9806026-02A	Matrix:	SOIL
Project:	Federal 33-11	Collection Date:	6/9/98 10:50:00 AM
		COC Record:	5228

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/15/98
BTEX		SW8020A				Analyst: DC
Benzene	ND	1		µg/Kg	1	6/13/98
Toluene	ND	2		µg/Kg	1	6/13/98
Ethylbenzene	ND	1		µg/Kg	1	6/13/98
m,p-Xylene	3.5	2		µg/Kg	1	6/13/98
o-Xylene	1.4	1		µg/Kg	1	6/13/98

4.9
0.0049 ppm

Qualifiers:	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
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	B - Analyte detected in the associated Method Blank	Surr: - Surrogate

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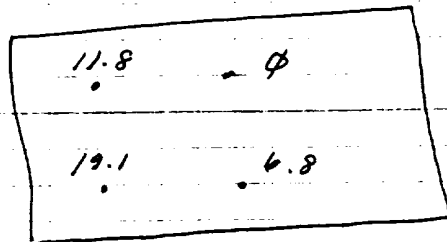
Federal # 33-11

Louis Dreyfus

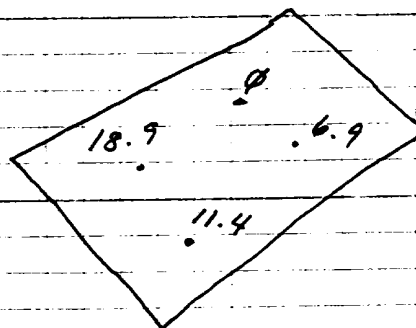
Sec. 33, 27N. 11W "D"

Land farm:

266 yards



⊗



9807010836

2"-12"

soil vapor head space = 56.8 ppm

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 07-Jul-98

CLIENT: PNM - Public Service Company of NM

Project: Landfarms

Lab Order: 9807001

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: 07-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Federal 33-11
Work Order:	9807001	Client Sample ID:	9807010830; 6pt. Comp. 2-12in.
Lab ID:	9807001-04A	Matrix:	SOIL
Project:	Landfarms	Collection Date:	7/1/98 8:30:00 AM
		COC Record:	7308

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/7/98

Qualifiers:

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

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Federal # 33-11

7-1-98

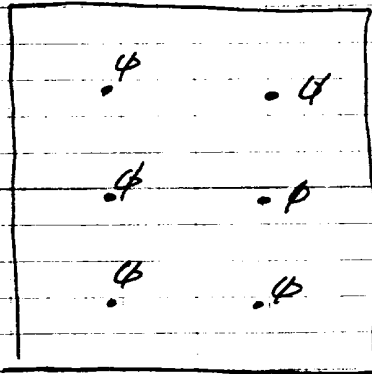
Louis Dreyfus

Sec. 33, 27N, 11W "D"

Land farm: Federal 32-41

Sec. 33, 27N, 11W, 6

200 yds.



9807010900

2"-12" depth

Soil vapor head space = φ

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 07-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Federal 33-11
Work Order:	9807001	Client Sample ID:	9807010900; 6pt. Comp. 2-12in.
Lab ID:	9807001-05A	Matrix:	SOIL
Project:	Landfarms	Collection Date:	7/1/98 9:00:00 AM
		COC Record:	7308

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/7/98

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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