

District I  
P.O. Box 1980, Hobbs, NM 88241  
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

SUBMIT 1 COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICE

OIL CONSERVATION DIVISION

2040 South Pacheco Street  
Santa Fe, New Mexico 87505

**PIT REMEDIATION AND CLOSURE REPORT**

**RECEIVED**  
NOV 12 1988

**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 33-31

Location: Unit B 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: 81'

Direction from reference: 0 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

Date Remediation Started: 6/8/98 Date Completed: 6/8/98Remediation Method: Excavation X Approx. Cubic Yard 104

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds) 104

Other \_\_\_\_\_

Remediation Location: Onsite X Offsite \_\_\_\_\_

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

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Backfill Material Location: \_\_\_\_\_

OIL CON. DIV.  
DIST. 3

## General Description of Remedial Action:

Excavated contaminated soil to a pit size of 20' X 20' X 7' 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 Bottom of excavation.

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

Sample depth 7'Sample date 6/8/98 Sample time 8:00:00 AM

## Sample Results

Benzene (ppm) < 0.0010Total BTEX (ppm) 0.0072

Field headspace (ppm) \_\_\_\_\_

TPH (ppm) 66.00 Method 8015AVertical Extent (ft) \_\_\_\_\_ Risk Analysis form attached Yes ☐ No ☒Ground Water Sample: Yes ☐ No ☒ (If yes, see attached Groundwater Site Summary Report)

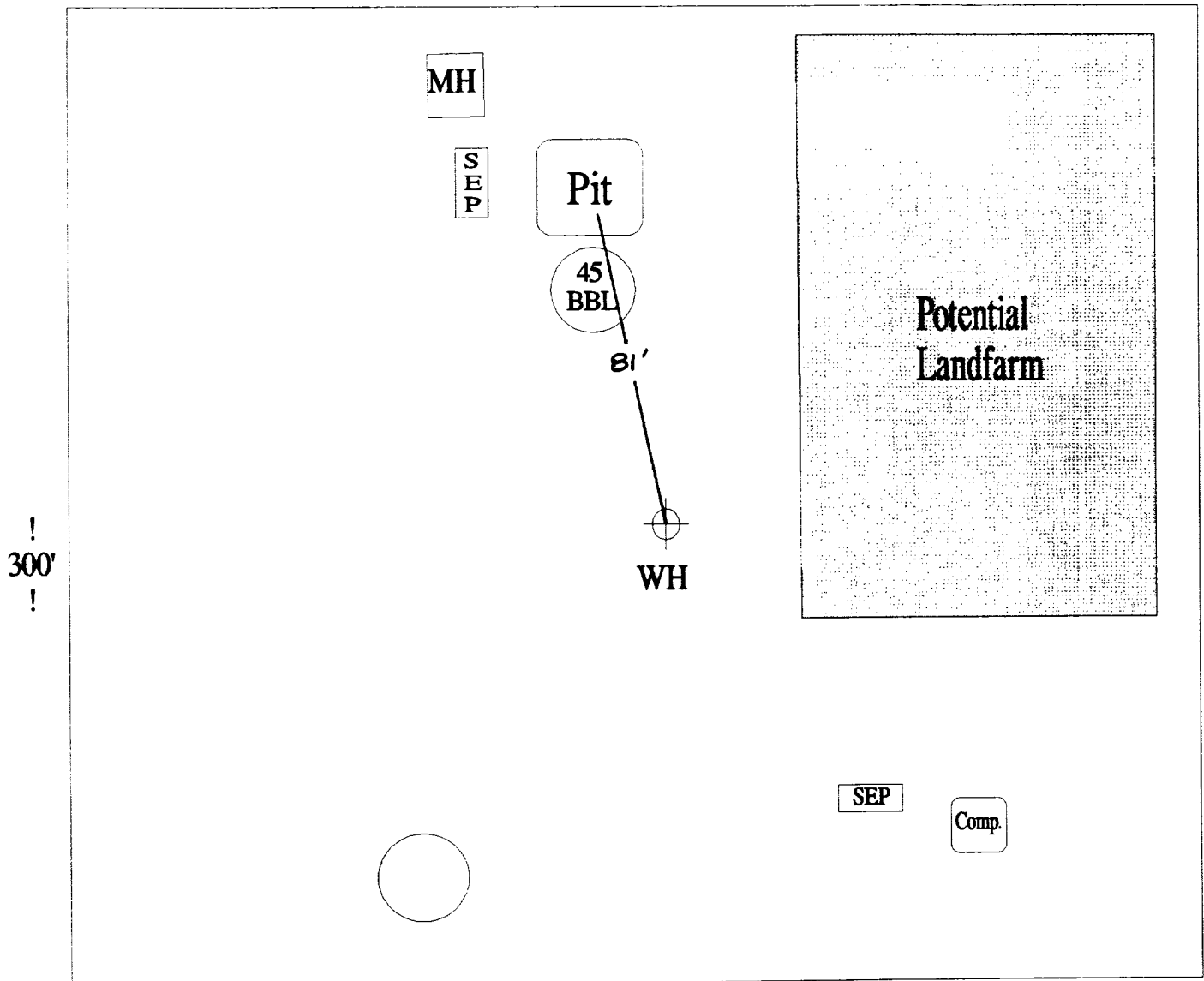
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

DATE October 29, 1998

SIGNATURE

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

Federal #33-31  
Dreyfus  
Lease # SF-078886  
(B)-33-27N-11W  
San Juan County



OFF: (505) 325-5667

# ON SITE

LAB: (505) 325-1556

TECHNOLOGIES, LTD.

**On Site Technologies, LTD.**

**Date:** 16-Jun-98

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

**Project:** Federal 33-31

**Lab Order:** 9806022

## CASE NARRATIVE

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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 33-31
Work Order:	9806022	Client Sample ID:	9806080845; Bottom Sample
Lab ID:	9806022-02A	Matrix:	SOIL
Project:	Federal 33-31	Collection Date:	6/8/98 8:40:00 AM
		COC Record:	5225

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015</b>				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/11/98
<b>BTEX</b>		<b>SW8020A</b>				Analyst: DC
Benzene	ND	1		µg/Kg	1	6/10/98
Toluene	ND	2		µg/Kg	1	6/10/98
Ethylbenzene	1.2	1		µg/Kg	1	6/10/98
m,p-Xylene	6	2		µg/Kg	1	6/10/98
o-Xylene	ND	1		µg/Kg	1	6/10/98

7.2  
0.0072 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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OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 16-Jun-98

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Federal 33-31
<b>Work Order:</b>	9806022	<b>Client Sample ID:</b>	9806080840; Wall Composite
<b>Lab ID:</b>	9806022-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Federal 33-31	<b>Collection Date:</b>	6/8/98 8:00:00 AM
		<b>COC Record:</b>	5225

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015</b>				<b>Analyst: HR</b>
T/R Hydrocarbons: C10-C28	66	25		mg/Kg	1	6/11/98
<b>BTEX</b>		<b>SW8020A</b>				<b>Analyst: DC</b>
Benzene	ND	1		µg/Kg	1	6/10/98
Toluene	ND	2		µg/Kg	1	6/10/98
Ethylbenzene	ND	1		µg/Kg	1	6/10/98
m,p-Xylene	2.5	2		µg/Kg	1	6/10/98
o-Xylene	ND	1		µg/Kg	1	6/10/98

2.5  
0.0025 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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Federal 33-31

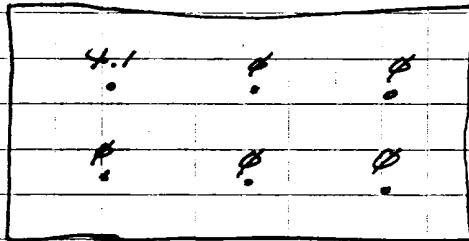
7-1-98

Louis Dreyfus

Sec. 33, 27 N, 11 W, 13

Landfarm:

104 yards



9807010700

2"-12" depth

soil vapor headspace = 4.1 ppm

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 07-Jul-98

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** Landfarms  
**Lab Order:** 9807001

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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: 07-Jul-98

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Federal 33-31
<b>Work Order:</b>	9807001	<b>Client Sample ID:</b>	9807010700; 6pt. Comp. 2-12in.
<b>Lab ID:</b>	9807001-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Landfarms	<b>Collection Date:</b>	7/1/98 7:00:00 AM
		<b>COC Record:</b>	7308

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015</b>				<b>Analyst: DC</b>
T/R Hydrocarbons: C10-C28	2000	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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