

District I  
P.O. Box 1980, Hobbs, 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

RECEIVED  
APR 29 1999

OIL CON. DIV.  
DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Minel Inc) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Leonard L. Johnston #2

Location: Unit G Sec 7 T 25N R 3W County Rio Arriba

Pit Type: Separator ☒ Dehydrator ☐ Other                     

Land Type: BLM ☐ State ☐ Fee ☒ Other                     

Pit Location: Pit dimensions: length 20 ' width 20 ' depth 3 '

(Attach diagram) Reference: wellhead ☒ other                     

Footage from reference: 35'

Direction from reference: 60 Degrees ☐ East North ☐  
of ☒ West 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

Leonard L. Johnston #2

Date Remediation Started: 1/28/99 Date Completed: 1/28/99

Remediation Method: Excavation X Approx. Cubic Yard 121

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds) 121

Other \_\_\_\_\_

Remediation Location: Onsite X 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 17' X 12' X 16' 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 16'

Sample date 1/28/99 Sample time 8:00:00 AM

**Sample Results**

Benzene (ppm) < 0.5000

Total BTEX (ppm) 45.6000

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

TPH (ppm) < 25.00 Method 8015A

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 April 27, 1999

SIGNATURE Maureen Gannon

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

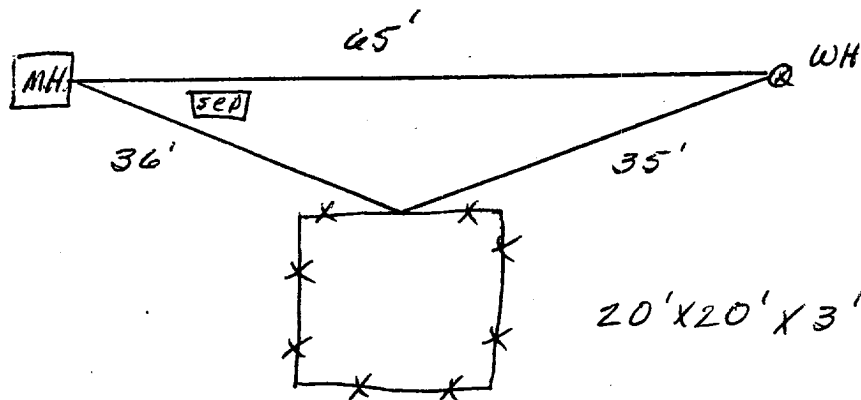
Leonard L. Johnston #2

(G) 7-25N-3W

MINEL INC.

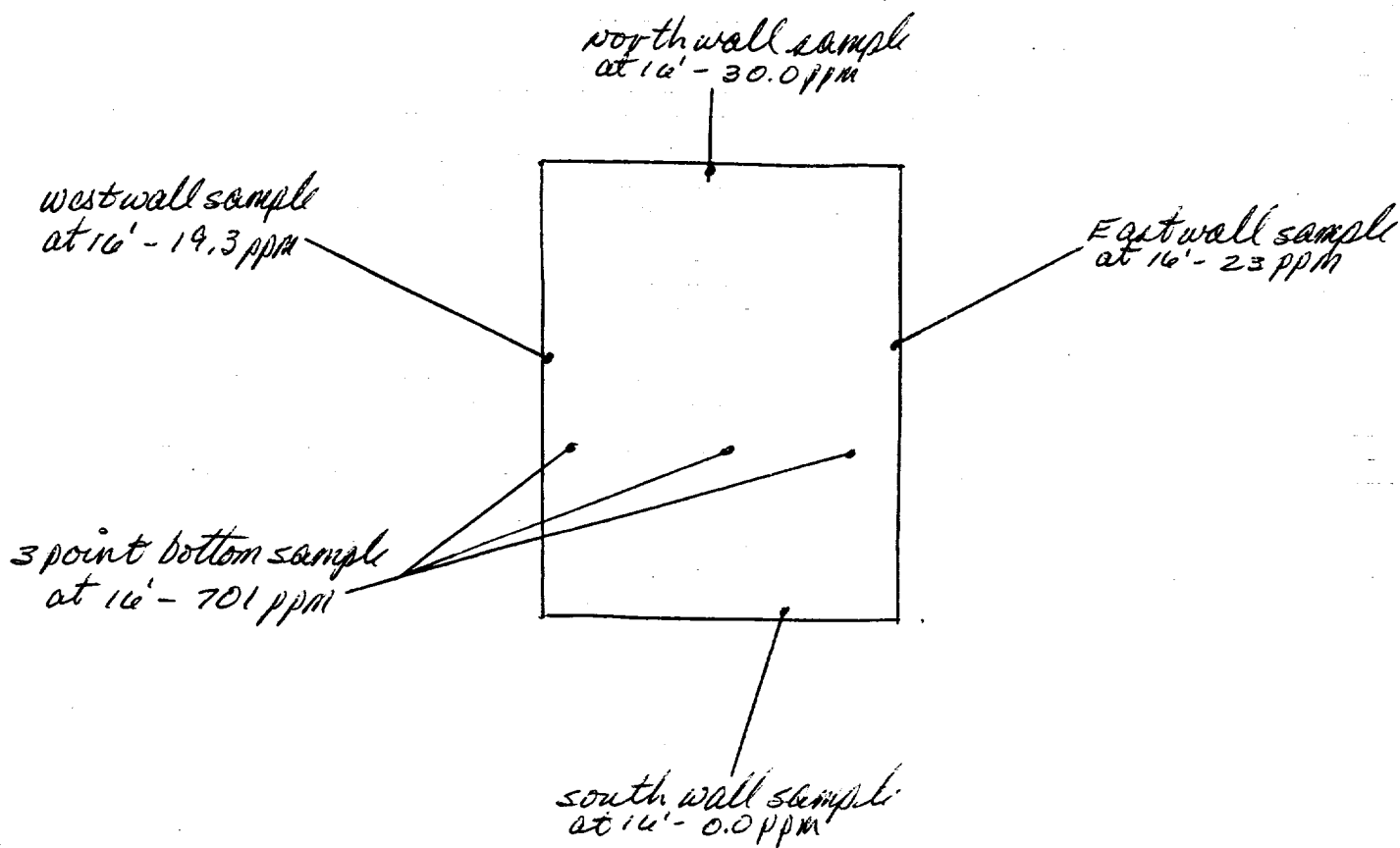
7-27-99

↑  
N



Excavation Sampling

17'(N+S) X 12'(E+W) X 16'(D)



not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 22-Feb-99

---

**CLIENT:** PNM - Public Service Company of NM  
**Project:** Leonard L. Johnston #2  
**Lab Order:** 9901032

---

**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: 22-Feb-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Leonard L. Johnston #2
<b>Work Order:</b>	9901032	<b>Client Sample ID:</b>	9901280800; 3pt. Bottom Comp
<b>Lab ID:</b>	9901032-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Leonard L. Johnston #2	<b>Collection Date:</b>	1/28/99 8:00:00 AM
		<b>COC Record:</b>	5782

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	2/18/99
<b>BTEX</b>		<b>SW8021B</b>				Analyst: HR
Benzene	ND	500		µg/Kg	500	2/11/99
Toluene	ND	1000		µg/Kg	500	2/11/99
Ethylbenzene	6000	500		µg/Kg	500	2/11/99
m,p-Xylene	31000	1000		µg/Kg	500	2/11/99
o-Xylene	8600	500		µg/Kg	500	2/11/99

45600  
45.600ppm

**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

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

# ANALYTICAL REPORT

Date: 22-Feb-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Leonard L. Johnston #2
<b>Work Order:</b>	9901032	<b>Client Sample ID:</b>	9901280805; 4pt. Wall Comp
<b>Lab ID:</b>	9901032-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Leonard L. Johnston #2	<b>Collection Date:</b>	1/28/99 8:05:00 AM
		<b>COC Record:</b>	5782

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	2/19/99
<b>BTEX</b>		<b>SW8021B</b>				Analyst: HR
Benzene	ND	1		µg/Kg	1	1/29/99
Toluene	ND	2		µg/Kg	1	1/29/99
Ethylbenzene	ND	1		µg/Kg	1	1/29/99
m,p-Xylene	2.1	2		µg/Kg	1	1/29/99
o-Xylene	ND	1		µg/Kg	1	1/29/99

<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

1 of 1

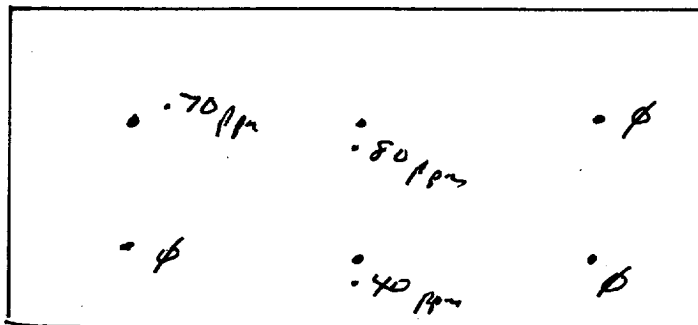
P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDED WITH THE ENVIRONMENT -

Leonard L. Johnston # 2  
Minel Inc.  
Sec. 7, 25N, 34W, G

3-24-99

Land Farmed : On location  
approx. 120 yards



⊗ well head

2" - 12" depth

sample # 9903241055

soil vapor head space reading = 11.9 ppm

not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 29-Mar-99

---

**CLIENT:** PNM - Public Service Company of NM  
**Project:** Landfarms  
**Lab Order:** 9903054

---

**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: 29-Mar-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Leonard Johnston #2
<b>Work Order:</b>	9903054	<b>Client Sample ID:</b>	9903241055
<b>Lab ID:</b>	9903054-08A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Landfarms	<b>Collection Date:</b>	3/24/99 10:55:00 AM
		<b>COC Record:</b>	7552

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015</b>				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	3/25/99

**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

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -