

<b>Operator:</b> <u>PNM Gas Services ( Greystone )</u>		<b>Telephone:</b> <u>324-3764</u>	
<b>Address:</b> <u>603 W. Elm Street Farmington, NM 87401</u>			
<b>Facility or Well Name:</b> <u>Southern Union #1M</u>			
<b>Location:</b>	Unit <u>I</u>	Sec <u>19</u>	T <u>31 N</u> R <u>12 W</u> County <u>San Juan</u>
<b>Pit Type:</b>	Separator <input type="checkbox"/>	Dehydrator <input checked="" type="checkbox"/>	Other _____
<b>Land Type:</b>	BLM <input checked="" type="checkbox"/>	State <input type="checkbox"/>	Fee <input type="checkbox"/> Other _____
<b>Pit Location:</b> Pit dimensions: length <u>18</u> ' width <u>18</u> ' depth <u>4</u> ' (Attach diagram)			
Reference: wellhead <input checked="" type="checkbox"/> other _____			
Footage from reference: <u>102'</u>			
Direction from reference: <u>10</u> Degrees <input checked="" type="checkbox"/> East <input type="checkbox"/> West of North <input checked="" type="checkbox"/> South <input type="checkbox"/>			
<b>Depth to Ground Water:</b> (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) <u>0</u>
<b>Wellhead Protection Area:</b> (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) <u>0</u>
<b>Distance to Surface Water:</b> (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) <u>0</u>
<b>RANKING SCORE (TOTAL POINTS) :</b>			<u>0</u>

Southern Union #1M

Date Remediation Started: 05/25/1999

Date Completed: 05/26/1999

Remediation Method: Excavation ☒

Approx. Cubic Yard 456

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 376

Other 80 cu yds clean 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 a pit size of 42.5' X 14.5' 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

05/26/1999

Sample time

9:45:00 AM

Sample Results

Benzene (ppm)

0.00160

Total BTEX (ppm)

0.153

Field headspace (ppm)

TPH (ppm)

< 25.00

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 January 24, 2000

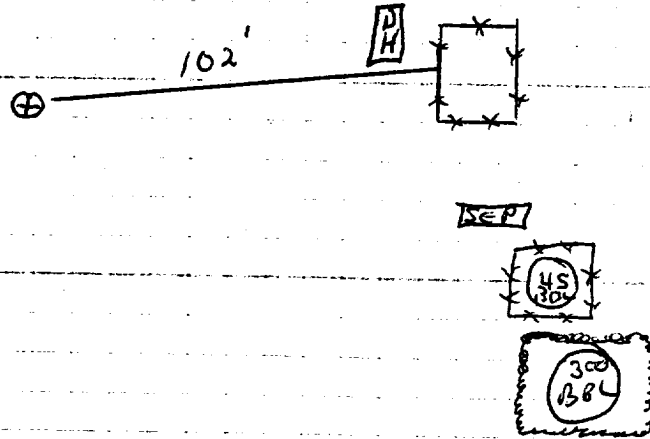
SIGNATURE



PRINTED NAME Maureen Gannon  
AND TITLE Project Manager

Southern Union IM  
Sec-19 T-31N R-12W UL I  
Greystone  
5-25-44

Site Drawing

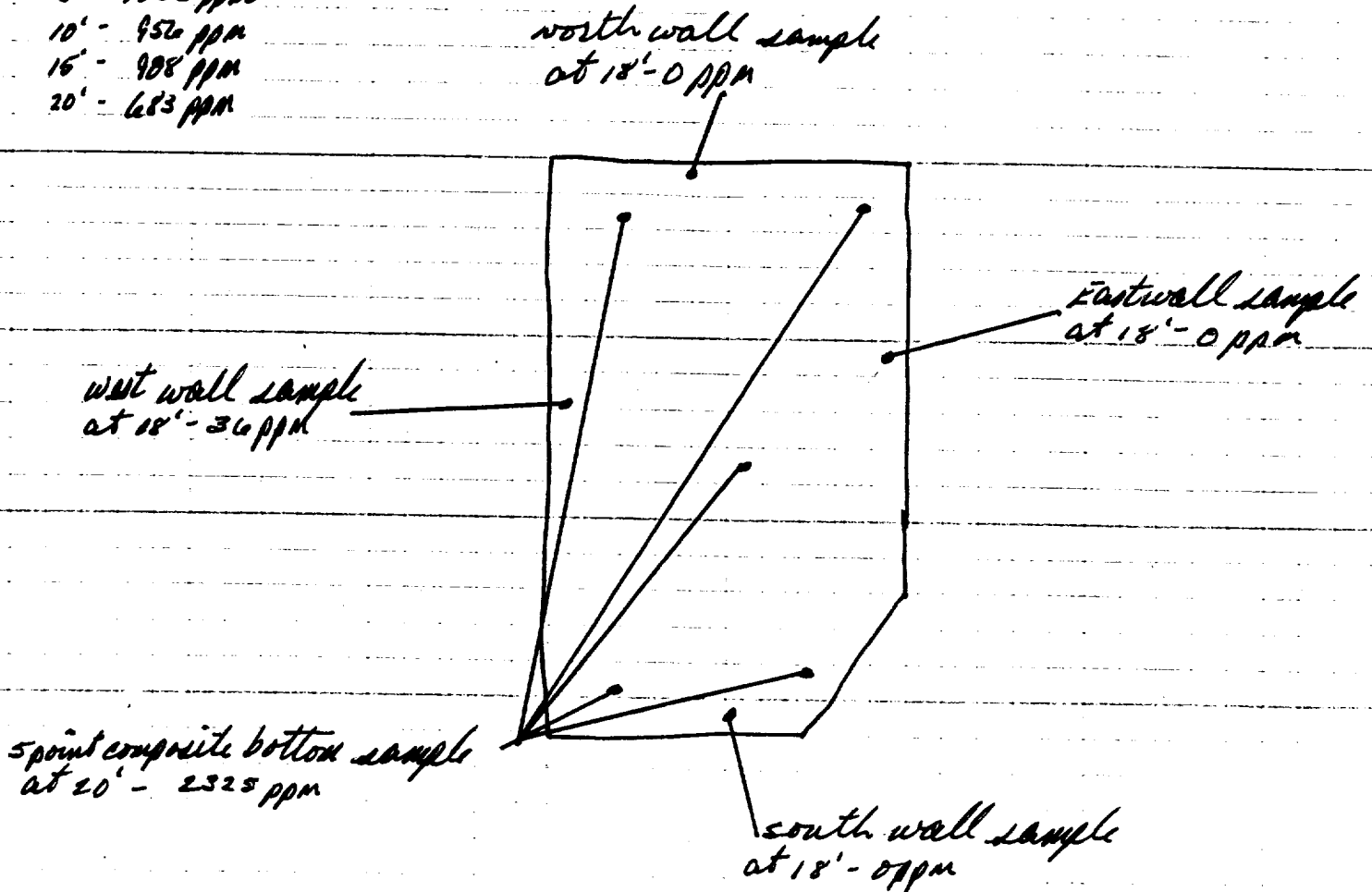


Excavation Sampling

42.5' (N+S) x 14.5' (E+W) x 20' (D)

PID readings

5' - 1002 ppm  
10' - 956 ppm  
15' - 988 ppm  
20' - 683 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:** Southern Union #1M & #1M Drip

**Lab Order:** 9905095

## **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



Ray

LAB: (505) 325-1556

# ANALYTICAL REPORT

Date: 08-Jun-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Southern Union #1M
<b>Work Order:</b>	9905095	<b>Client Sample ID:</b>	9905260945; 5pt. Bottom Comp
<b>Lab ID:</b>	9905095-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Southern Union #1M & #1M Drip	<b>Collection Date:</b>	5/26/99 9:45:00 AM
		<b>COC Record:</b>	7628

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>						
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	Analyst: DC 6/3/99
<b>AROMATIC VOLATILES BY GC/PID</b>						
		<b>SW8021B</b>				Analyst: DM
Benzene	1.6	1		µg/Kg	1	5/28/99
Toluene	4.2	2		µg/Kg	1	5/28/99
Ethylbenzene	10	1		µg/Kg	1	5/28/99
m,p-Xylene	130	2		µg/Kg	1	5/28/99
o-Xylene	7.2	1		µg/Kg	1	5/28/99

153  
.153 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

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 08-Jun-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Southern Union #1M
<b>Work Order:</b>	9905095	<b>Client Sample ID:</b>	9905260950; 4pt. Wall Comp
<b>Lab ID:</b>	9905095-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Southern Union #1M & #1M Drip	<b>Collection Date:</b>	5/26/99 9:50:00 AM
		<b>COC Record:</b>	7628

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/3/99

**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

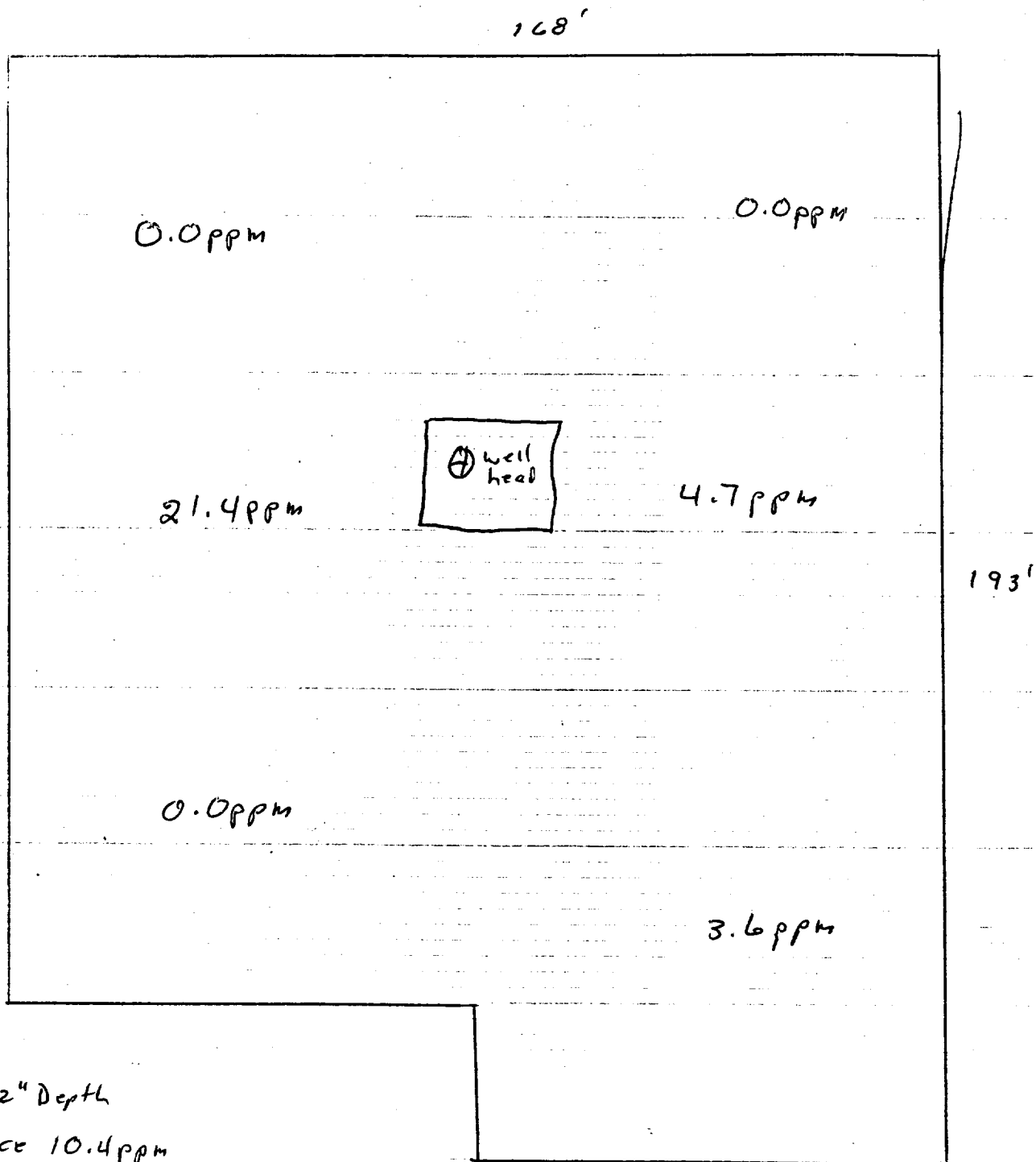
P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Southern Union 1M  
SEC-19 T-31N R-12W 41 I  
Greystone

LAND FARM DRAWING

App cu yds 376



Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 22-Jul-99

---

**CLIENT:** PNM - Public Service Company of NM  
**Project:** PNM Pit Remediation Landfarms  
**Lab Order:** 9907018

---

## **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.



Roy

OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 22-Jul-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Southern Union 1M LF
<b>Work Order:</b>	9907018	<b>Client Sample ID:</b>	9907080840; 6pt Comp
<b>Lab ID:</b>	9907018-03A	<b>Matrix:</b>	SOIL
<b>Project:</b>	PNM Pit Remediation Landfarms	<b>Collection Date:</b>	7/8/99 8:40:00 AM
		<b>COC Record:</b>	7732

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/20/99

**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 SERVING INDUSTRY WITH THE ENVIRONMENT -