

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

SUBMIT 1 COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
STATE OFFICE

RECEIVED  
NOV - 1 1999  
OIL CON. DIV.  
DIST. 3

**PIT REMEDIATION AND CLOSURE REPORT**

<b>Operator:</b> PNM Gas Services ( Greystone )		<b>Telephone:</b> 324-3764	
<b>Address:</b> 603 W. Elm Street Farmington, NM 87401			
<b>Facility or Well Name:</b> Gross #1E			
<b>Location:</b>	Unit <u>I</u>	Sec <u>7</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 type="checkbox"/>	State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/> Other _____
<b>Pit Location:</b>	Pit dimensions: length <u>18</u> ' width <u>18</u> ' depth <u>3</u> '		
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other _____		
	Footage from reference: <u>82</u> '		
	Direction from reference: <u>10</u> Degrees <input type="checkbox"/> East <input checked="" type="checkbox"/> North <input type="checkbox"/> South <input checked="" type="checkbox"/> West of _____		
<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>			

Gross #1E

Date Remediation Started: 04/28/1999

Date Completed: 04/29/1999

Remediation Method: Excavation ☒

Approx. Cubic Yard 455

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 455

Other

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 31.5 X 19.5 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 04/29/1999

Sample time 9:05:00 AM

Sample Results

Benzene (ppm) < 0.1

Total BTEX (ppm) 4.69

Field headspace (ppm)

TPH (ppm) 310.00

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

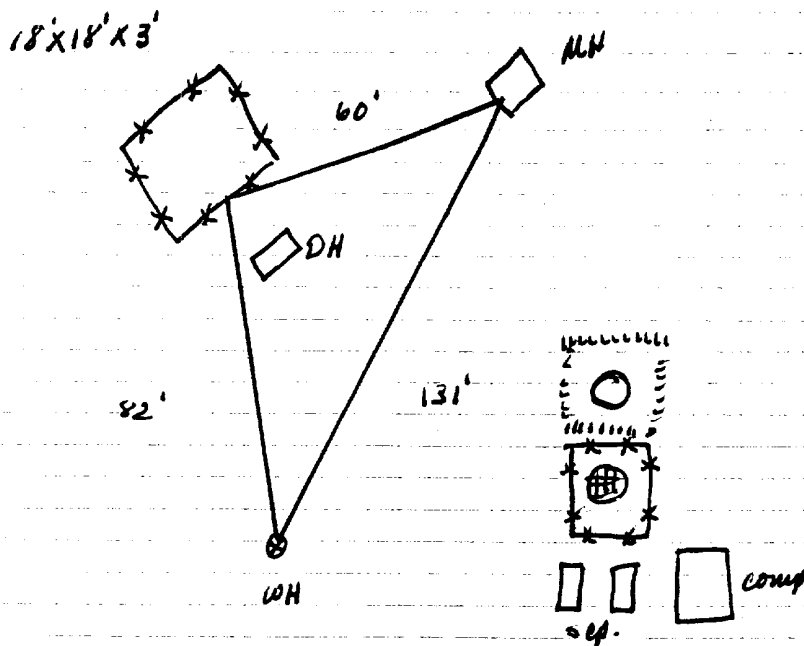
DATE October 28, 1999

SIGNATURE

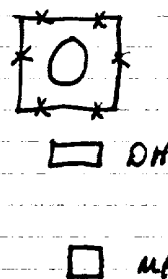
PRINTED NAME Maureen Gannon  
AND TITLE Project Manager

N

Gross #1E  
(I) 7-31N-12W  
Gray Stone  
4-28-99



Field headspace: 0 ppm (walls)



### Excavation Sampling

P&D readings

5' - 2994 ppm

10' - 2604 ppm

15' - 2607 ppm

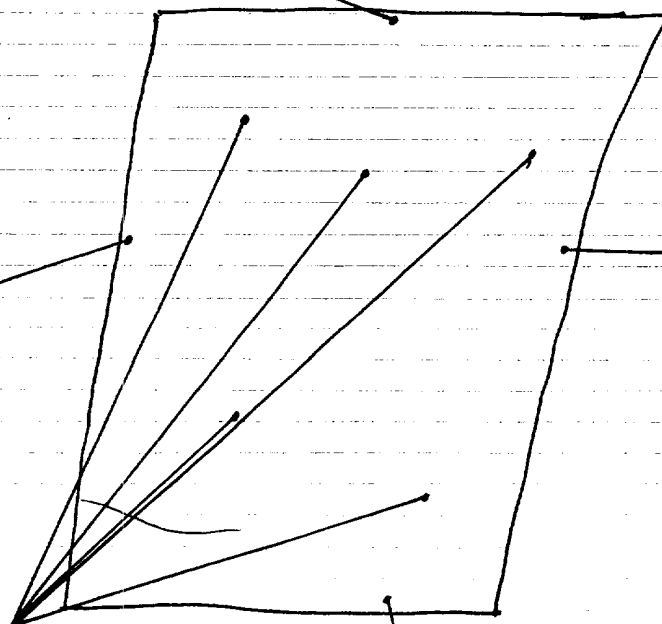
20' - 2480 ppm

west wall headspace  
at 20' - 0 ppm

north wall headspace  
at 20' - 0 ppm

31.5' (W+S) x 19.5' (E+W) x 20' (D)

east wall headspace  
at 20' - 0 ppm



5 point bottom composite headspace  
at 20' - 796 ppm

south wall headspace  
at 20' - 14 ppm

not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 14-May-99

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** Gross #1E  
**Lab Order:** 9904070

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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.

RH

OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 14-May-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Gross #1E
<b>Work Order:</b>	9904070	<b>Client Sample ID:</b>	9904290905; 5pt Bottom Comp
<b>Lab ID:</b>	9904070-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Gross #1E	<b>Collection Date:</b>	4/29/99 9:05:00 AM
		<b>COC Record:</b>	5795

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>						
		<b>SW8015B</b>				Analyst: DC
T/R Hydrocarbons: C10-C28	310	25		mg/Kg	1	5/12/99
<b>AROMATIC VOLATILES BY GC/PID</b>						
		<b>SW8021B</b>				Analyst: DC
Benzene	ND	100		µg/Kg	100	5/11/99
Toluene	230	200		µg/Kg	100	5/11/99
Ethylbenzene	260	100		µg/Kg	100	5/11/99
m,p-Xylene	2400	200		µg/Kg	100	5/11/99
o-Xylene	1800	100		µg/Kg	100	5/11/99

4690  
4.690 ppm

<b>Qualifiers:</b>	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - No: 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: 14-May-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Gross #1E
<b>Work Order:</b>	9904070	<b>Client Sample ID:</b>	9904290900; 4 Wall Comp
<b>Lab ID:</b>	9904070-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Gross #1E	<b>Collection Date:</b>	4/29/99 9:00:00 AM
		<b>COC Record:</b>	5795

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	5/4/99

**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

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- FARMINGTON IS A COMMUNITY COMMITTED TO THE ENVIRONMENT -

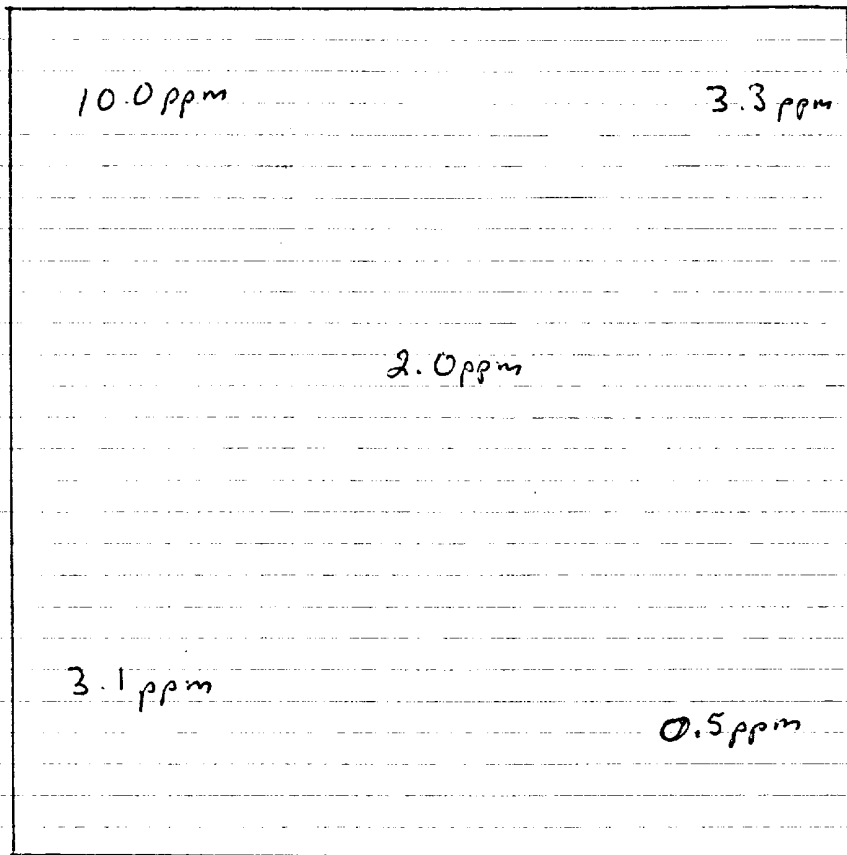
0.000  
Sec-7 T-31N R-12W 46-5  
Greystone

LANDFARM DRAWING #1

Approx <sup>2</sup>/<sub>3</sub> 55 cu. yds.

⊕  
10'

58'



2" to 12" Depth

Headspace Reading 6.7 ppm

sample # 9906301507

Not to Scale



**On Site Technologies, LTD.**

**Date:** 19-Jul-99

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

**Project:** CM #14 & Gross #1E Landfarms

**Lab Order:** 9907003

**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: 19-Jul-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Gross #1E Landfarm
<b>Work Order:</b>	9907003	<b>Client Sample ID:</b>	9906301507; 5pt. Composite
<b>Lab ID:</b>	9907003-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	CM #14 & Gross #1E Landfarms	<b>Collection Date:</b>	6/30/99 3:07:00 PM
		<b>COC Record:</b>	7725

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				Analyst: DC
T/R Hydrocarbons: C10-C28	33	25		mg/Kg	1	7/14/99

**Qualifiers:**

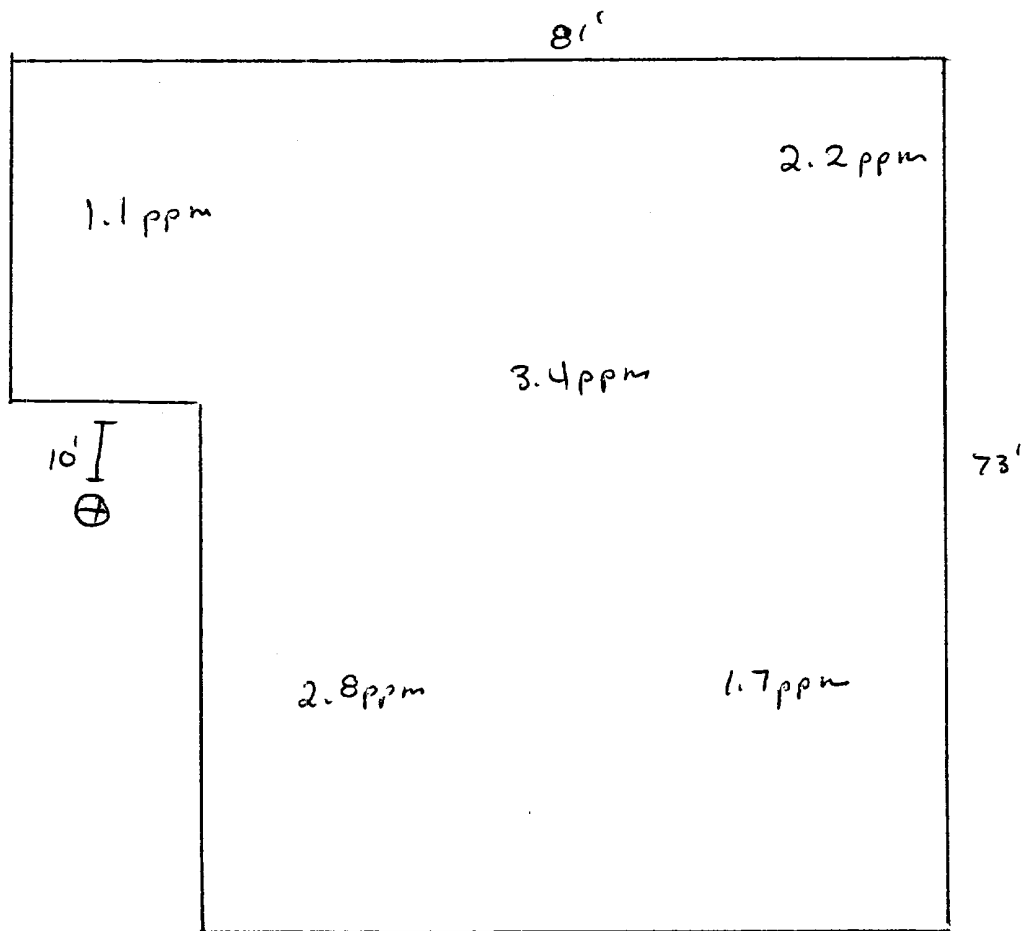
PQL - Practical Quantitation Limit  
ND - Not Detected at Practical Quantitation Limit  
J - Analyte detected below Practical Quantitation Limit  
B - Analyte detected in the associated Method Blank

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

1 of 1

Gross 1E  
Sec-7 T-31N R-12W UL 5  
Burlington

Land farm Drawing #2  
App 200 cu yds



2" to 12" Depth  
Headspace 2.6  
Sample # 9908070844

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 11-Aug-99

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

**Project:** PNM Pit Remediation Landfarms

**Lab Order:** 9908009

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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: 11-Aug-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Gross #1E LF #2
<b>Work Order:</b>	9908009	<b>Client Sample ID:</b>	9908050844; 5pt Composite
<b>Lab ID:</b>	9908009-03A	<b>Matrix:</b>	SOIL
<b>Project:</b>	PNM Pit Remediation Landfarms	<b>Collection Date:</b>	08/05/1999 8:44:00 AM
		<b>COC Record:</b>	7803

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	08/06/1999

**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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For a complete list of services, please refer to the Environmental -