

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  
SANTA FE OFFICE

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

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services ( Burlington ) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Hare #16

Location: Unit H Sec 3 T 29 N R 10 W County San Juan

Pit Type: Separator ☐ Dehydrator ☒ Other                     

Land Type: BLM ☒ State ☐ Fee ☐ Other                     

Pit Location: Pit dimensions: length 12 ' width 12 ' depth 3 '

(Attach diagram) Reference: wellhead ☒ other                     

Footage from reference: 108'

Direction from reference: Due Degrees ☐ East North ☐  
of ☒ West South ☐

<b>Depth to Ground Water:</b>	Less than 50 feet	(20 points)	
	50 feet to 99 feet	(10 points)	
(Vertical distance from contaminants to seasonal high water elevation of ground water)	Greater than 100 feet	( 0 points)	<u>0</u>

<b>Wellhead Protection Area:</b>	Yes	(20 points)	
(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)	No	( 0 points)	<u>0</u>

<b>Distance to Surface Water:</b>	Less than 200 feet	(20 points)	
	200 feet to 1,000 feet	(10 points)	
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Greater than 1,000 feet	( 0 points)	<u>0</u>

**RANKING SCORE (TOTAL POINTS):** 0

Hare #16

Date Remediation Started: 06/10/1999

Date Completed: 06/10/1999

Remediation Method: Excavation ☒

Approx. Cubic Yard 131

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 100

Other 31 cu yds 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 21' X 21' X 8' 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 8'

Sample date 06/10/1999

Sample time 11:56:00 AM

Sample Results

Benzene (ppm) &lt; 0.001

Total BTEX (ppm) 0.0169

Field headspace (ppm)

TPH (ppm) &lt; 50.00

Method 8015B

Vertical Extent (ft)

Risk Analysis form attached Yes ☐ No ☒

Ground Water Sample:

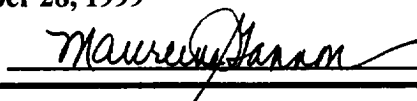
Yes ☐No ☒

(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

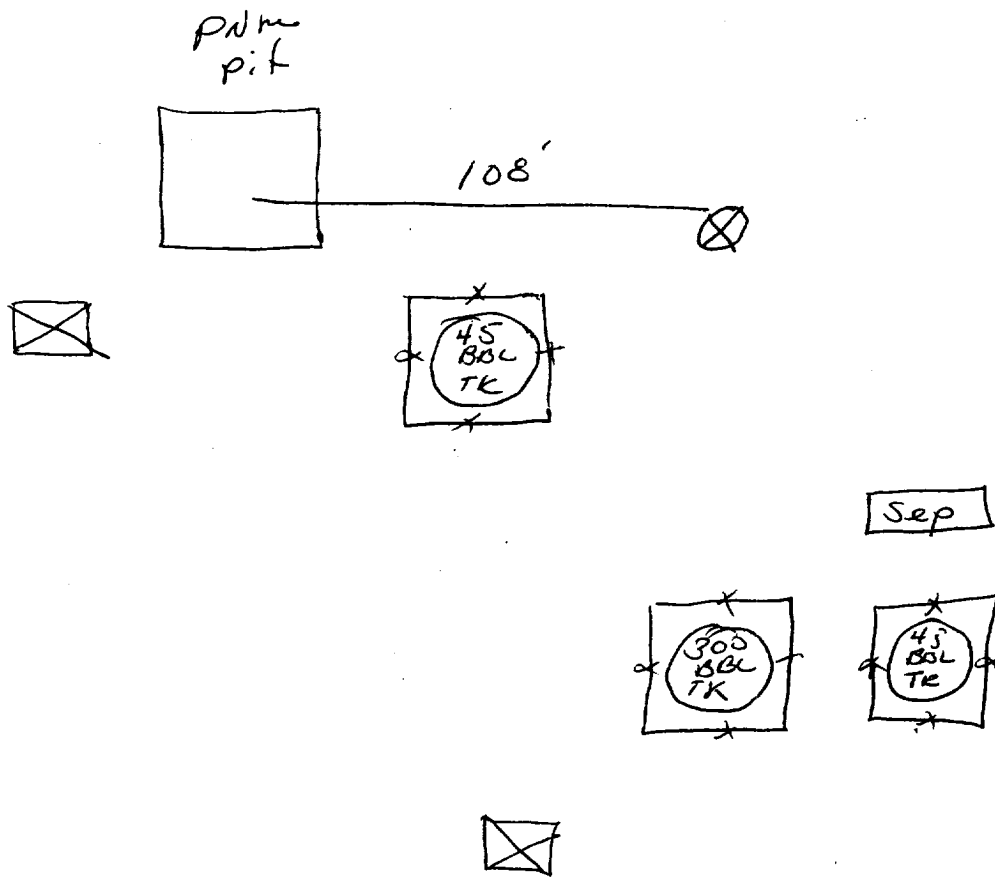
DATE October 28, 1999

SIGNATURE

PRINTED NAME Maureen Gannon  
AND TITLE Project Manager

Sec. 3 T29N R10W Unit 4  
Burlington

# Site Drawing



11-14  
Sec. 3 T29N R10W Unit H  
Burlington

# Excavation Drawing

North Wall  
Sample 7'  
1.6 ppm

Bottom  
Sample 8'  
5th Composite  
586 ppm

West Wall  
Sample 7'  
0.0 ppm

East Wall  
Sample 7'  
2.3 ppm

South Wall  
Sample 7'  
1.0 ppm

Field headspace: 1.8 ppm (walls)

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 28-Jun-99

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** PNM Pit Remediation  
**Lab Order:** 9906046

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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.



## ANALYTICAL REPORT

Date: 28-Jun-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Hare 16
<b>Work Order:</b>	9906046	<b>Client Sample ID:</b>	9906101156; 5pt. Bottom Comp
<b>Lab ID:</b>	9906046-08A	<b>Matrix:</b>	SOIL
<b>Project:</b>	PNM Pit Remediation	<b>Collection Date:</b>	6/10/99 11:56:00 AM
		<b>COC Record:</b>	7029

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				<b>Analyst: DC</b>
T/R Hydrocarbons: C10-C28	ND	50		mg/Kg	2	6/24/99
<b>AROMATIC VOLATILES BY GC/PID</b>		<b>SW8021B</b>				<b>Analyst: DC</b>
Benzene	ND	1		µg/Kg	1	6/23/99
Toluene	ND	2		µg/Kg	1	6/23/99
Ethylbenzene	1.6	1		µg/Kg	1	6/23/99
m,p-Xylene	13	2		µg/Kg	1	6/23/99
o-Xylene	2.3	1		µg/Kg	1	6/23/99

16.9  
0.0169 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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OFF: (505) 325-5667



RD

LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 28-Jun-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Hare 16
<b>Work Order:</b>	9906046	<b>Client Sample ID:</b>	9906101155; 4pt. Wall Comp
<b>Lab ID:</b>	9906046-07A	<b>Matrix:</b>	SOIL
<b>Project:</b>	PNM Pit Remediation	<b>Collection Date:</b>	6/10/99 11:55:00 AM
		<b>COC Record:</b>	7029

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	6/21/99

**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

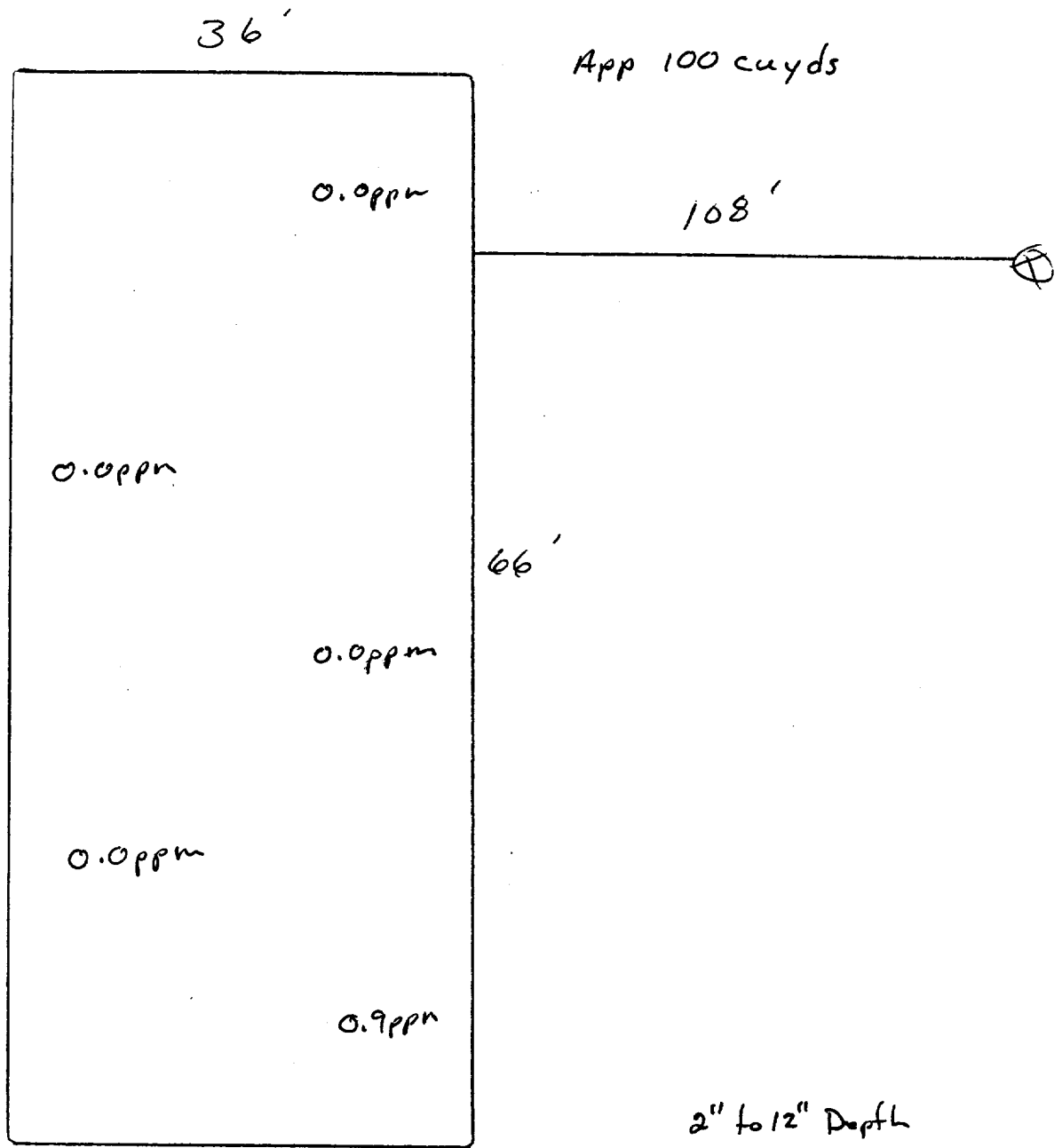
Surr: - Surrogate

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Sec. 3 T29N R10W Unit H  
Burlington

# Land farm Drawing



2" to 12" Depth  
Headspace 3.8ppm  
Sample # 9907141505





**On Site Technologies, LTD.**

**Date:** 30-Jul-99

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** PNM Pit Remediation Landfarms  
**Lab Order:** 9907036

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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: 30-Jul-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Hare 16 LF
<b>Work Order:</b>	9907036	<b>Client Sample ID:</b>	9907141505; 5pt Comp
<b>Lab ID:</b>	9907036-08A	<b>Matrix:</b>	SOIL
<b>Project:</b>	PNM Pit Remediation Landfarms	<b>Collection Date:</b>	7/14/99 3:05:00 PM
		<b>COC Record:</b>	7491

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	7/29/99

**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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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -