

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

*Denny S. Fort*  
**DEPUTY OIL & GAS INSPECTOR**

SEP 03 1999

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Street  
Santa Fe, New Mexico 87505

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

*Bedford*  
**RECEIVED**  
JUL 30 1999

**OIL CON. DIV.**  
**DIST. 3**

*Hymie*  
**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: Decker A #1A

Location: Unit A Sec 3 T 31 N R 12 W County San Juan

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: 110 '                     

Direction from reference: 5 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

Decker A #1A

Date Remediation Started: 04/13/1999

Date Completed: 04/13/1999

Remediation Method: Excavation

X

Approx. Cubic Yard 174

(Check all appropriate sections)

Landfarmed

X

Amount Landfarmed (cubic yds) 174

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 24' X 28' 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.

\*\*\* Sandstone encountered at 7'. See attached risk analysis form and lab analysis.

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

7'

Sample date

04/13/1999

Sample time

1:50:00 PM

Sample Results

Benzene (ppm)

1.900

Total BTEX (ppm)

65.600 \*\*\*

Field headspace (ppm)

TPH (ppm)

3200.00

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 July 27, 1999

SIGNATURE

*Maureen Gannon*

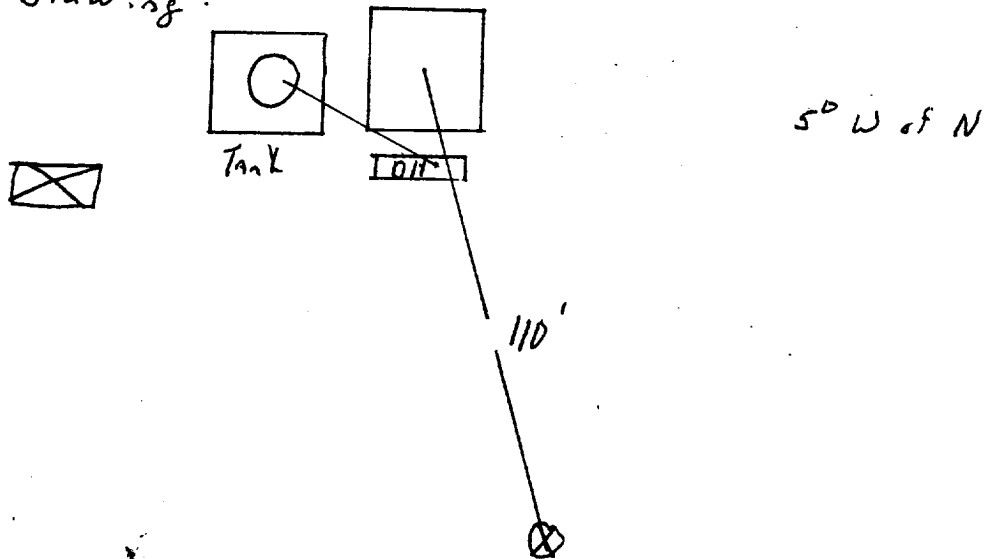
PRINTED NAME Maureen Gannon  
AND TITLE Project Manager

Decker A #1A  
Burlington  
Sec. 3, 31N, 12W, R

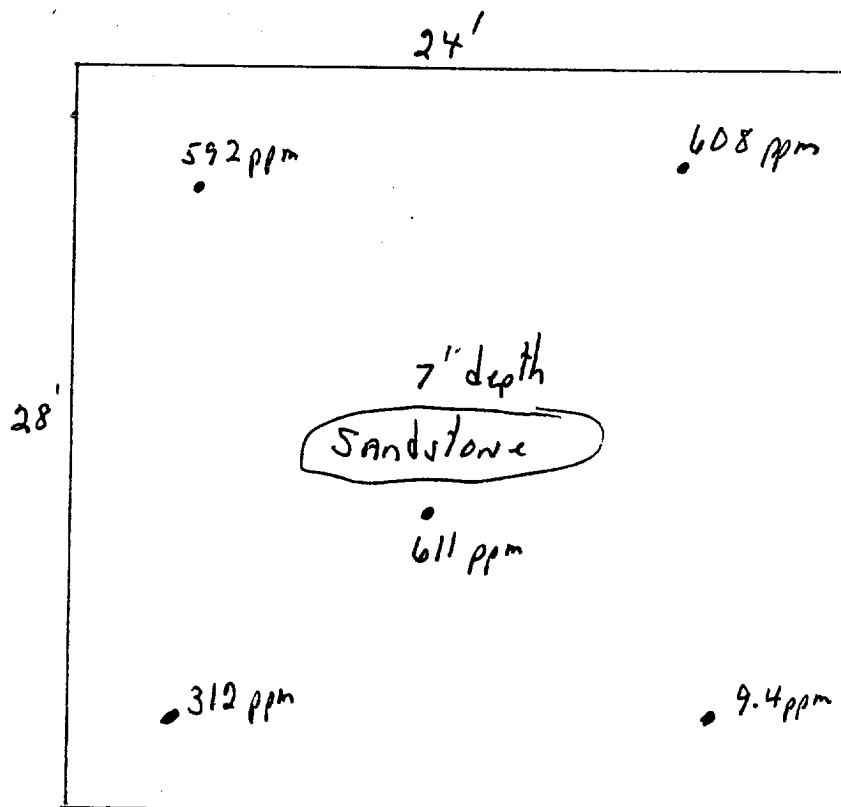
4/13/99



Site Drawing:



End of excavation:



not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 22-Apr-99

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

**Project:** Decker A#1A

**Lab Order:** 9904016

**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: 22-Apr-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Decker A#1A
<b>Work Order:</b>	9904016	<b>Client Sample ID:</b>	9904131350; Bottom @ 7ft
<b>Lab ID:</b>	9904016-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Decker A#1A	<b>Collection Date:</b>	4/13/99 1:50:00 PM
		<b>COC Record:</b>	7558

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>						
T/R Hydrocarbons: C10-C28	3200	25		mg/Kg	1	Analyst: HR 4/16/99
<b>AROMATIC VOLATILES BY GC/PID</b>						
Benzene	1900	500		µg/Kg	500	Analyst: HR 4/14/99
Toluene	9600	1000		µg/Kg	500	4/14/99
Ethylbenzene	6200	500		µg/Kg	500	4/14/99
m,p-Xylene	39000	1000		µg/Kg	500	4/14/99
o-Xylene	8900	500		µg/Kg	500	4/14/99

65600  
65.6 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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1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

# ANALYTICAL REPORT

Date: 22-Apr-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Decker A#1A
<b>Work Order:</b>	9904016	<b>Client Sample ID:</b>	9904131400; Walls @ 4ft
<b>Lab ID:</b>	9904016-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Decker A#1A	<b>Collection Date:</b>	4/13/99 2:00:00 PM
		<b>COC Record:</b>	7558

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>						
T/R Hydrocarbons: C10-C28	350	25		mg/Kg	1	4/19/99
<b>AROMATIC VOLATILES BY GC/PID</b>						
Benzene	ND	25		µg/Kg	25	4/15/99
Toluene	ND	50		µg/Kg	25	4/15/99
Ethylbenzene	350	25		µg/Kg	25	4/15/99
m,p-Xylene	2900	50		µg/Kg	25	4/15/99
o-Xylene	240	25		µg/Kg	25	4/15/99

3490  
3.490 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

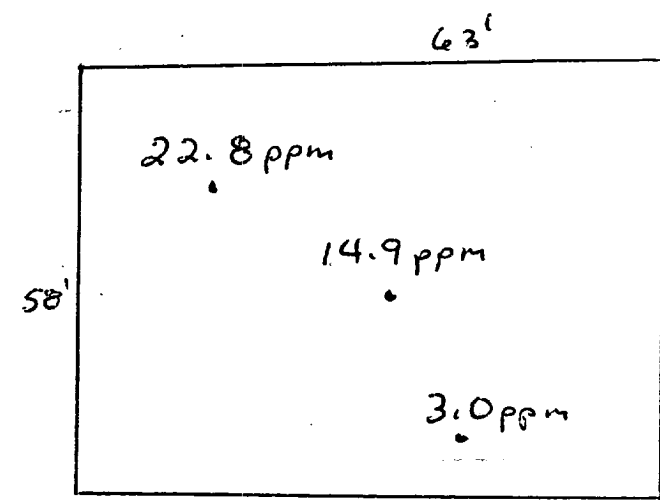
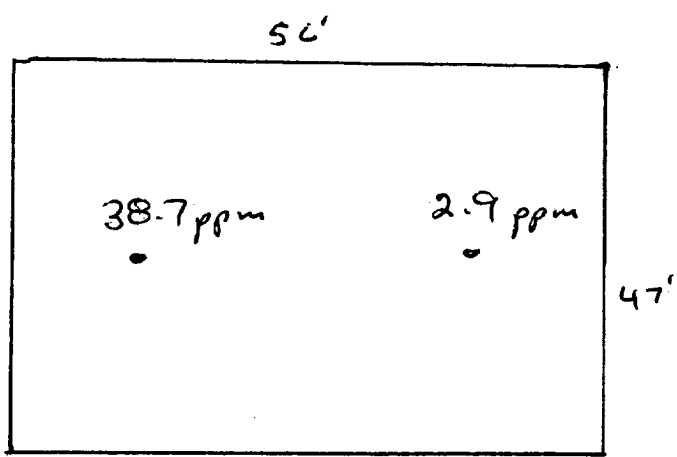
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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

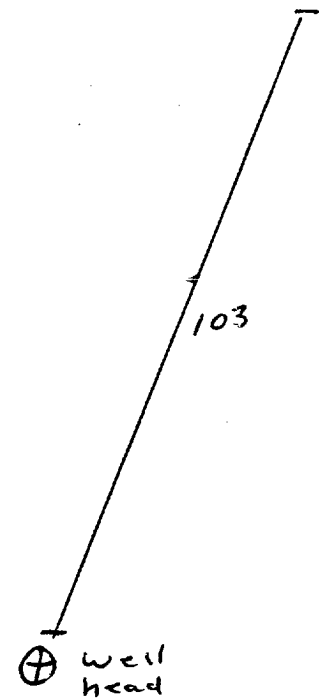
Decker A #1A  
Sec-3 T-31N R-12W  
Burlington

# Landfarm Drawing

on location App 174 Cuyds



2" to 12" Depth  
Headspace 73.1 ppm  
Sample # ~~73.1 ppm~~ 9906020823  
(RB)



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**On Site Technologies, LTD.**

**Date:** 14-Jun-99

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** PNM Pit Remediation Landfarms  
**Lab Order:** 9906005

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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



RB

LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 14-Jun-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Decker A #1A LF
<b>Work Order:</b>	9906005	<b>Client Sample ID:</b>	9906020823; 5pt. Comp
<b>Lab ID:</b>	9906005-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	PNM Pit Remediation Landfarms	<b>Collection Date:</b>	6/2/99 8:23:00 AM
		<b>COC Record:</b>	7713

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				Analyst: DC
T/R Hydrocarbons: C10-C28	1370	25		mg/Kg	1	6/4/99

**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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1 of 1



## Environmental Services

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Well Name:	Decker A #1A
Well Legals:	Unit A, Sec 3, T31N, R12W
Pit Type:	Dehydrator
Horizontal Distance to Surface Water:	Greater than 1,000 feet
Groundwater Depth:	Greater than 100 feet

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### RISK ANALYSIS

PNM requests closure of their former pit on the Decker A #1A well site using a limited risk analysis based on the following conditions:

1. Groundwater is estimated to be at a depth of 393 feet based upon the elevation of the site and the elevation of the nearest "listed" or "named" wash. (Reference: Adobe Downs Ranch, NM series 7.5 minute topographic map.)
2. PNM excavated 174 cubic yards of soil from the former pit. Subsurface lateral contamination has been remediated (see attached map and analytical results for the side wall profiles). Source removal minimizes the possibility of surface water contamination.
3. Sandstone was encountered at 7 feet below ground surface. Bedrock/sandstone provides a barrier between remaining contamination and groundwater. Vertical migration through bedrock or sandstone to groundwater is unlikely.
4. PNM excavated and performed remediation to the maximum depth and horizontal extent practicable.

PNM believes their former pit on the Decker A #1A well site poses minimal threat to groundwater, human health and the environment based upon our past experience in excavating over 1,000 pits.