

District I:  
P O. Box 3980, Hobbs, NM  
District II:  
P O. Drawer DD, Artesia, NM 88221  
District III:  
1000 Rio Brazos Rd, Aztec, NM 87410

*Denny L. Foust*  
**DEPUTY OIL & GAS INSPECTOR**

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**  
JUL 30 1999

**OIL CON. DIV**  
DIST. 3

**PIT REMEDIATION AND CLOSURE REPORT**

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

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Barker Dome Com #1

Location: Unit A Sec 23 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: 56'

Direction from reference: 85 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

Barker Dome Com #1

Date Remediation Started: 05/20/1999

Date Completed: 05/24/1999

Remediation Method:

Excavation ☒

Approx. Cubic Yard 101

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 101

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' X 22' X 4' 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

4'

Sample date

05/24/1999

Sample time

8:40:00 AM

Sample Results

Benzene (ppm)

0.45

Total BTEX (ppm)

45.65

Field headspace (ppm)

TPH (ppm)

490.00

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

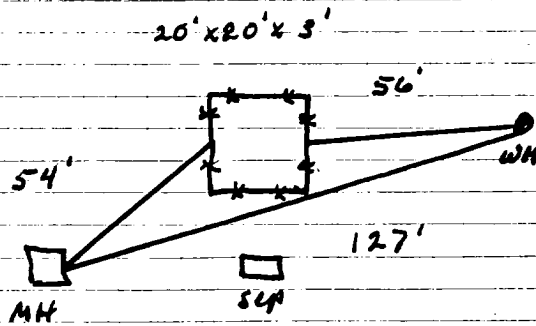
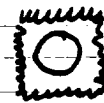
*Maureen Gannon*

PRINTED NAME Maureen Gannon  
AND TITLE Project Manager

Barker Dome Co #1  
(A) 23-31N-12W

↑  
N

Quarter  
5-20-99 @ 1537



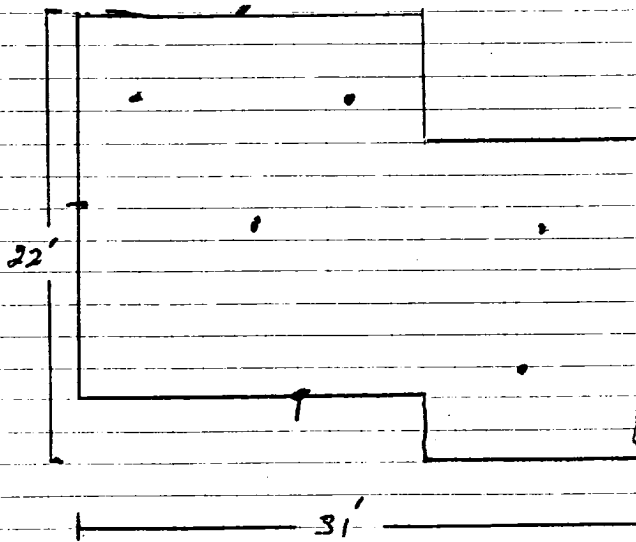
□ SLP

### Excavation Sampling

North wall  
Sample at 2'  
12.8 ppm

H.S. 56.5 ppm

West wall  
Sample at 3'  
6.4 ppm



31' x 22' x 4'  
101 cu yds

East wall  
Sample at 3'  
33.8 ppm

South wall  
Sample at 3'  
6.9 ppm

Bottom Sample  
at 4'  
1166 ppm

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 08-Jun-99

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** Barker Dome Com #1  
**Lab Order:** 9905081

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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



Roy

LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 08-Jun-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Barker Dome Com #1
<b>Work Order:</b>	9905081	<b>Client Sample ID:</b>	9905240840; 5pt. Bottom Comp
<b>Lab ID:</b>	9905081-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Barker Dome Com #1	<b>Collection Date:</b>	5/24/99 8:40:00 AM
		<b>COC Record:</b>	7624

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>						
	<b>SW8015B</b>					
T/R Hydrocarbons: C10-C28	490	25		mg/Kg	1	6/1/99
<b>AROMATIC VOLATILES BY GC/PID</b>						
	<b>SW8021B</b>					
Benzene	450	200		µg/Kg	200	6/1/99
Toluene	5300	400		µg/Kg	200	6/1/99
Ethylbenzene	3900	200		µg/Kg	200	6/1/99
m,p-Xylene	32000	400		µg/Kg	200	6/1/99
o-Xylene	4000	200		µg/Kg	200	6/1/99

Analyst: DC

Analyst: DC

45650  
45.65 ppm

**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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OFF: (505) 325-5667



Roy

LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 08-Jun-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Barker Dome Com #1
<b>Work Order:</b>	9905081	<b>Client Sample ID:</b>	9905240830; 4pt. Wall Comp
<b>Lab ID:</b>	9905081-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Barker Dome Com #1	<b>Collection Date:</b>	5/24/99 8:30:00 AM
		<b>COC Record:</b>	7624

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	33	25		mg/Kg	1	6/1/99

**Qualifiers:**

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- J - Analyte detected below Practical Quantitation Limit
- B - Analyte detected in the associated Method Blank

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

1 of 1

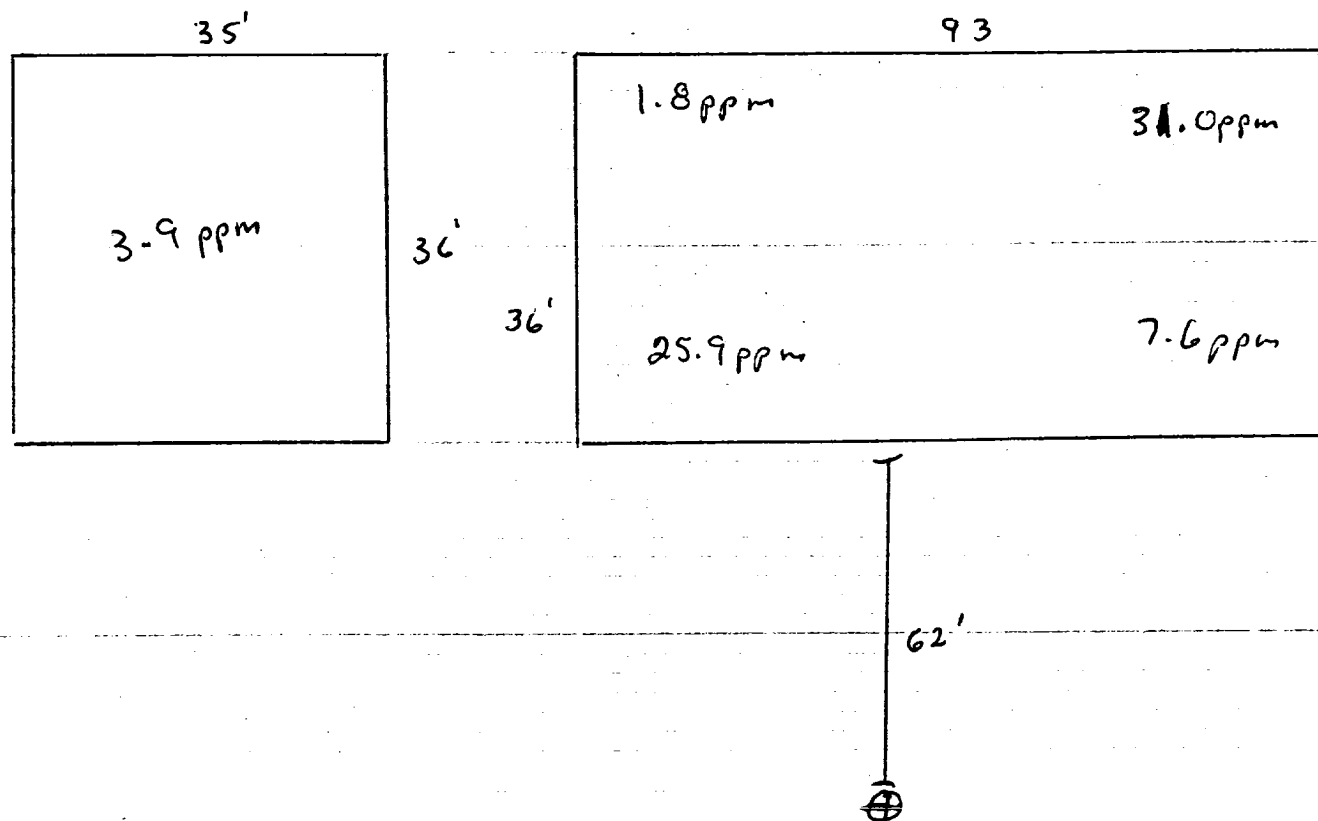
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BARKER Dome Com<sup>1</sup>  
Sec-23 T-31N R-12W ULA  
Questar

LANDFARM DRAWING

App 101 cu yds



2" to 12" Depth

Headspace 32.0 ppm

Sample # 9907011310

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 19-Jul-99

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** PNM Pit Remediation Landfarms  
**Lab Order:** 9907007

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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: 19-Jul-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Barker Dome Com #1 LF
<b>Work Order:</b>	9907007	<b>Client Sample ID:</b>	9907011310; 5pt. Composite
<b>Lab ID:</b>	9907007-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	PNM Pit Remediation Landfarms	<b>Collection Date:</b>	7/1/99 1:10:00 PM
		<b>COC Record:</b>	7730

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				Analyst: DC
T/R Hydrocarbons: C10-C28	72	25		mg/Kg	1	7/15/99

**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

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