

*Denny E. Faust*  
District I **DEPUTY OIL & GAS INSPECTOR**  
P.O. Box 1980, Hobbs, NM

District II **SEP 03 1999**  
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

*OK*  
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 (Burlington) **Telephone:** 324-3764

**Address:** 603 W. Elm Street Farmington, NM 87401

**Facility or Well Name:** Culpepper Martin #2

**Location:** Unit P Sec 30 T 32 N R 12 W County San Juan

**Pit Type:** Separator ☐ Dehydrator ☐ Other No equipment

**Land Type:** BLM ☐ State ☐ Fee ☒ Other

**Pit Location:** Pit dimensions: length 15' width 15' depth 3'

(Attach diagram) **Reference:** wellhead ☒ other

**Footage from reference:** 116'

**Direction from reference:** 54 Degrees ☒ East ☒ North ☐ 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

Culpepper Martin #2

Date Remediation Started: 05/11/1999

Date Completed: 05/11/1999

Remediation Method:

Excavation

☒

Approx. Cubic Yard

603

(Check all appropriate sections)

Landfarmed

☒

Amount Landfarmed (cubic yds)

603

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 35' X 31' X 15' 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

15'

Sample date

05/11/1999

Sample time

3:55:00 PM

Sample Results

Benzene (ppm)

0.002

Total BTEX (ppm)

0.234

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

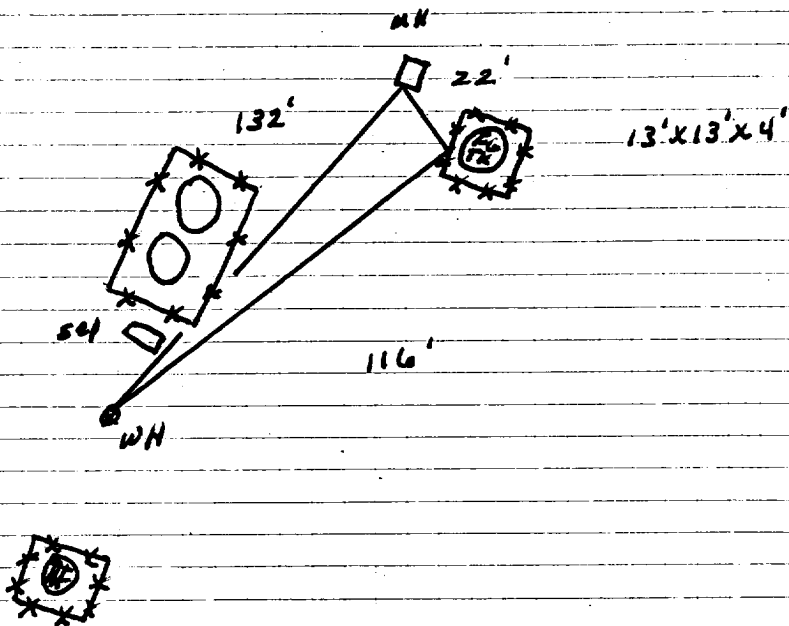
DATE July 27, 1999

SIGNATURE

*Maureen Gannon*

PRINTED NAME Maureen Gannon  
AND TITLE Project Manager

Calypso Martin #2  
 (P) 30-32N-12W  
 Burlington  
 5-11-94 @ 0400

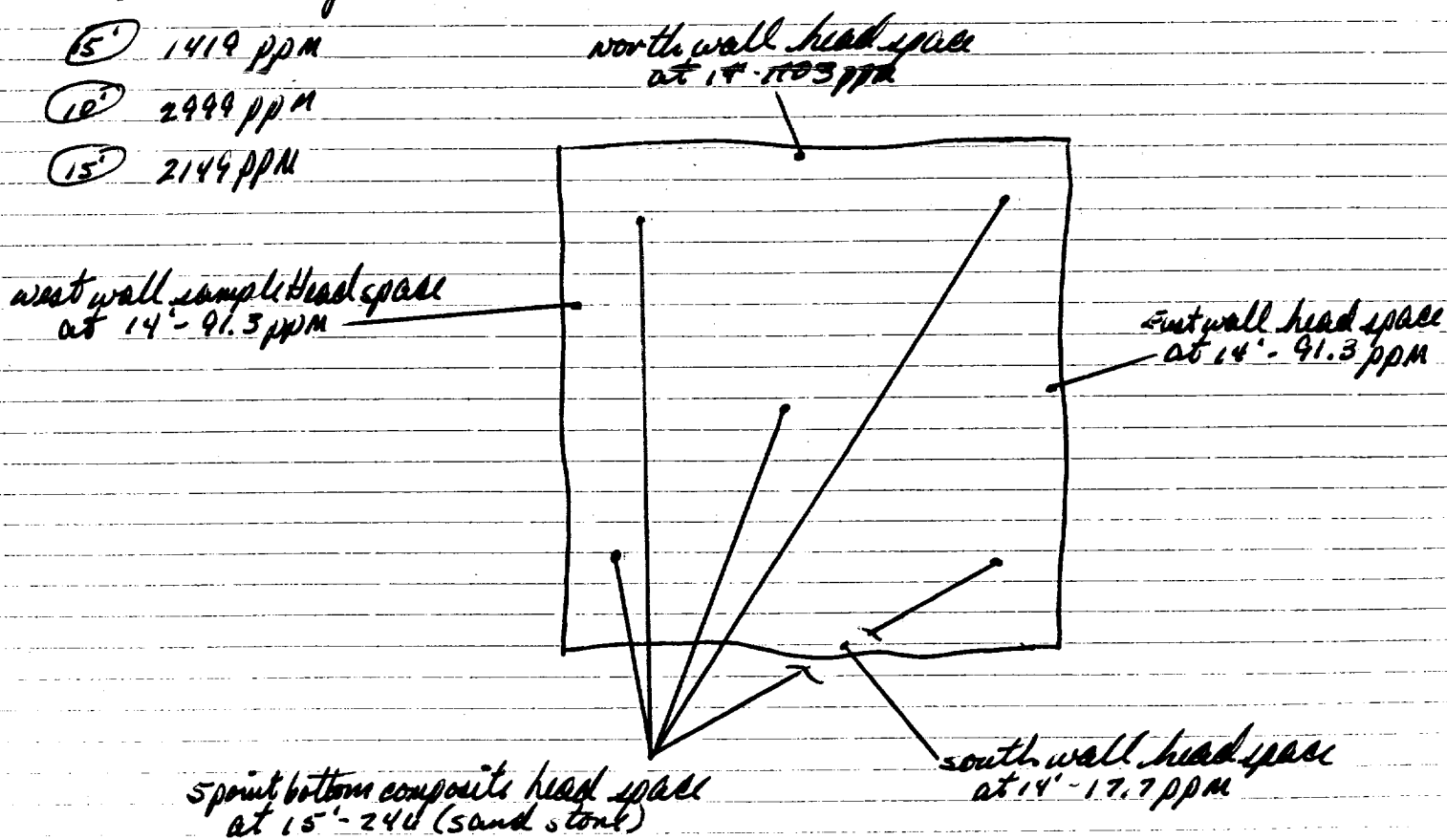


### Excavation Sampling

PID readings

- (5') 1419 ppm
- (10') 2999 ppm
- (15') 2144 ppm

35'(N+S) x 31'(E+W) x 15'(D)



not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 20-May-99

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

**Project:** Culpepper Martin #2

**Lab Order:** 9905047

## **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.

Roy

OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 20-May-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Culpepper Martin #2
<b>Work Order:</b>	9905047	<b>Client Sample ID:</b>	9905111555; 5pt. Bottom Comp
<b>Lab ID:</b>	9905047-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Culpepper Martin #2	<b>Collection Date:</b>	5/11/99 3:55:00 PM
		<b>COC Record:</b>	7616

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	5/19/99
<b>AROMATIC VOLATILES BY GC/PID</b>		<b>SW8021B</b>				Analyst: DM
Benzene	2.3	2		µg/Kg	2	5/13/99
Toluene	35	4		µg/Kg	2	5/13/99
Ethylbenzene	9.2	2		µg/Kg	2	5/13/99
m,p-Xylene	140	4		µg/Kg	2	5/13/99
o-Xylene	48	2		µg/Kg	2	5/13/99

234.5  
2345 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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1 of 1

Roy

OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 20-May-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Culpepper Martin #2
<b>Work Order:</b>	9905047	<b>Client Sample ID:</b>	9905111550; 4pt. Wall Comp
<b>Lab ID:</b>	9905047-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Culpepper Martin #2	<b>Collection Date:</b>	5/11/99 3:50:00 PM
		<b>COC Record:</b>	7616

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	5/19/99

**Qualifiers:**

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

1 of 1

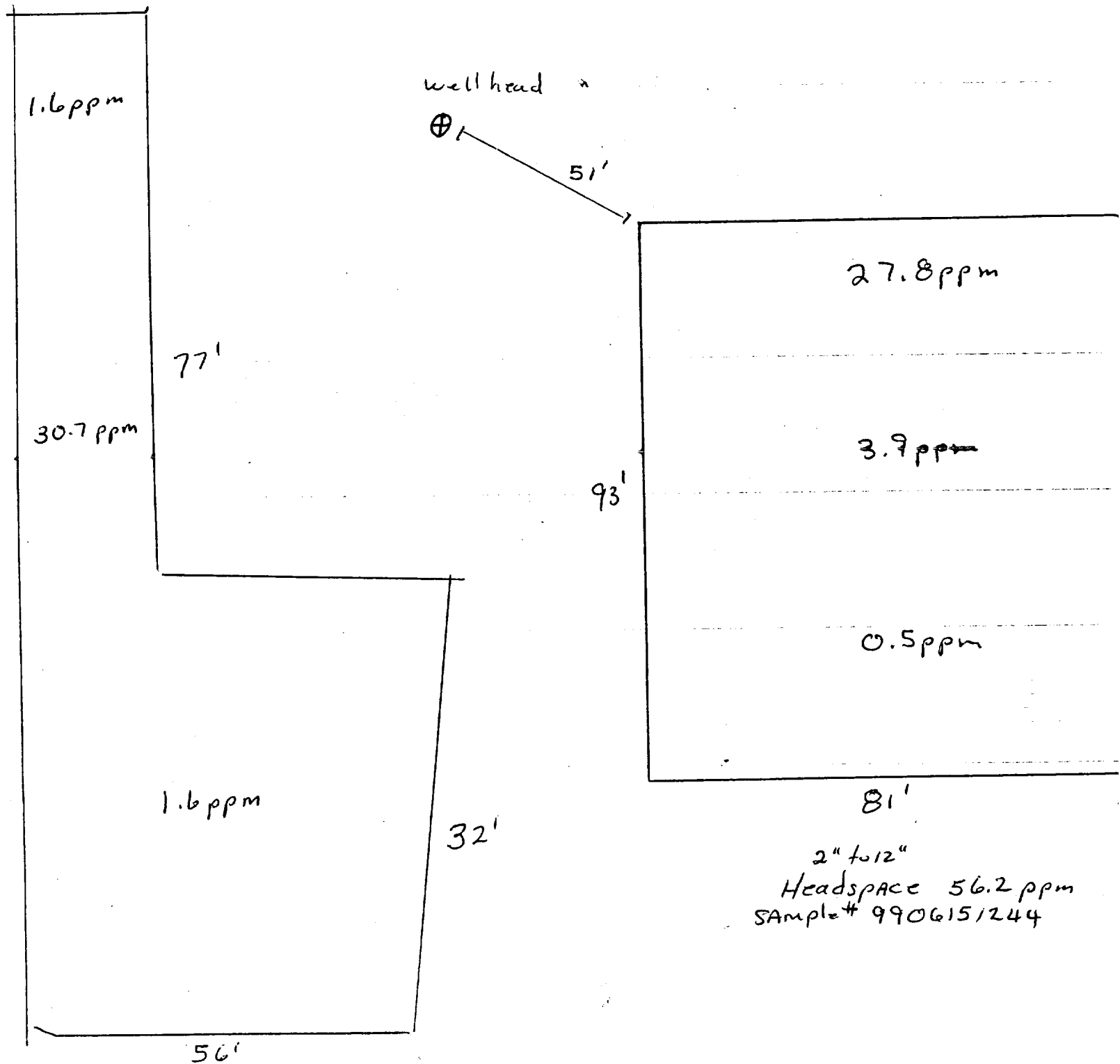
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Culpepper Martin #2  
Sec-30 T-32N R-12W UL-P  
Burlington

Land farm Drawing

App 603 cu yds



OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 21-Jun-99

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** Culpepper Martin Landfarms  
**Lab Order:** 9906057

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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.



RB

OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 21-Jun-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Culpepper Martin #2 LF
<b>Work Order:</b>	9906057	<b>Client Sample ID:</b>	9906151244; 6pt. Comp.
<b>Lab ID:</b>	9906057-04A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Culpepper Martin Landfarms	<b>Collection Date:</b>	6/15/99 12:44:00 PM
		<b>COC Record:</b>	7720

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	6/18/99

**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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