

District I  
P.O. Box 1980, Santa Fe, NM

District II  
P.O. Box 1980, Santa Fe, NM

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  
JUL 30 1999

OIL CON. DIV.  
DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

Approved

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

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Culpepper Martin #4 Burlington

Location: Unit N Sec 28 T 32N R 12W County San Juan

Pit Type: Separator ☐ Dehydrator ☒ Other

Land Type: BLM ☐ State ☐ Fee ☒ Other

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

(Attach diagram) Reference: wellhead ☒ other

Footage from reference: 56'

Direction from reference: 47 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

Culpepper Martin #4 Burlington

Date Remediation Started: 05/05/1999

Date Completed: 05/06/1999

Remediation Method:

Excavation ☒

Approx. Cubic Yard 260

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 260

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 18' X 19.5' X 20' and landfarmed soil onsite within a bermed area at a depth of 6" to 2". 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

05/06/1999

Sample time

8:20:00 AM

Sample Results

Benzene (ppm) < 0.002

Total BTEX (ppm) 0.043

Field headspace (ppm)

TPH (ppm)

60.00

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

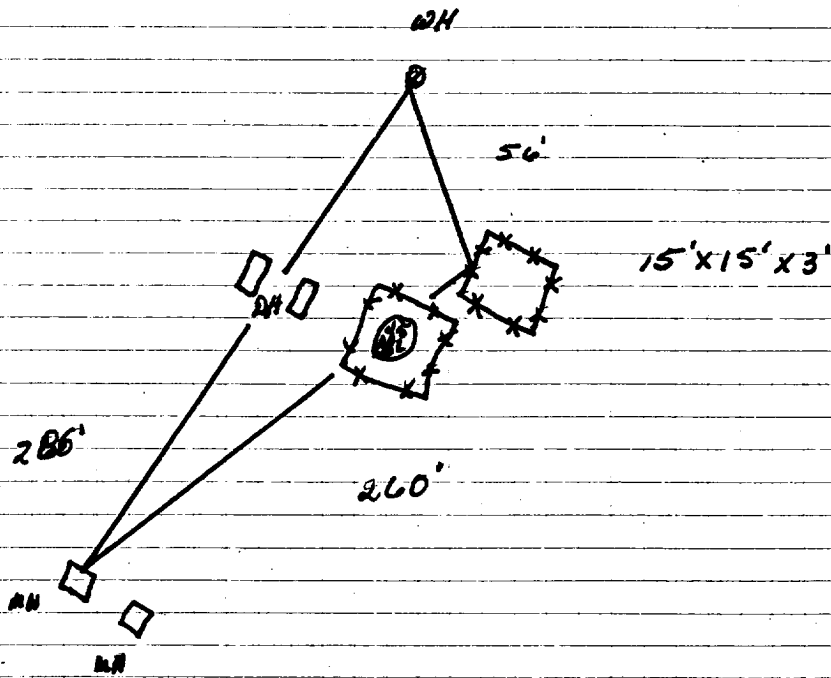
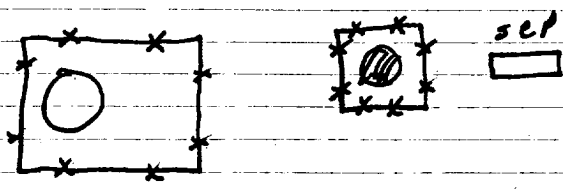
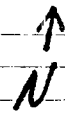
DATE July 27, 1999

SIGNATURE

*Maureen Gannon*

PRINTED NAME Maureen Gannon  
AND TITLE Project Manager

Culpeper Martin #4  
 (N) 28-32N-12W  
 Burlington  
 5-5-99



Excavation sampling

18'(N+S) x 19.5'(E+W) x 20'(D)

RTD readings

- 5' - 1329 ppm
- 10' - 2689 ppm
- 15' - 296 ppm
- 20' - 274 ppm

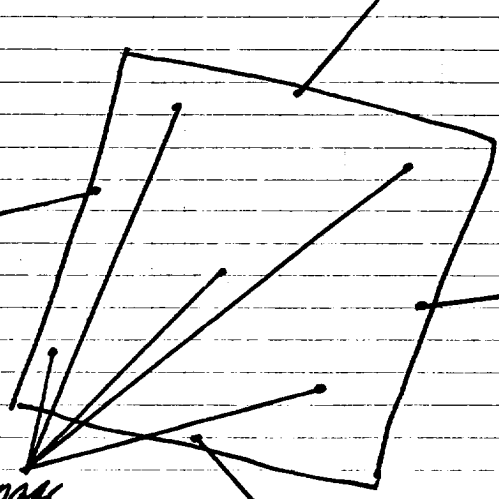
North wall head space  
 at 20' - 48.2 ppm

East wall head space  
 at 20' - 40.3 ppm

East wall head space  
 at 20' - 0 ppm

5 point composite bottom head space  
 at 20' - 82.3 ppm

South wall head space  
 at 20' - 0 ppm



not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 18-May-99

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

**Project:** Culpepper Martin #4 and #2A

**Lab Order:** 9905033

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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.

Ray

OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 18-May-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Culpepper Martin #4
<b>Work Order:</b>	9905033	<b>Client Sample ID:</b>	9905060820; 5pt. Bottom Comp
<b>Lab ID:</b>	9905033-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Culpepper Martin #4 and #2A	<b>Collection Date:</b>	5/6/99 8:20:00 AM
		<b>COC Record:</b>	7189

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				Analyst: DC
T/R Hydrocarbons: C10-C28	60	25		mg/Kg	1	5/18/99
<b>AROMATIC VOLATILES BY GC/PID</b>		<b>SW8021B</b>				Analyst: DC
Benzene	ND	2		µg/Kg	2	5/11/99
Toluene	ND	4		µg/Kg	2	5/11/99
Ethylbenzene	4.5	2		µg/Kg	2	5/11/99
m,p-Xylene	25	4		µg/Kg	2	5/11/99
o-Xylene	14	2		µg/Kg	2	5/11/99

43.5  
0.0435 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: 18-May-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Culpepper Martin #4
<b>Work Order:</b>	9905033	<b>Client Sample ID:</b>	9905060830; 4 Wall Comp
<b>Lab ID:</b>	9905033-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Culpepper Martin #4 and #2A	<b>Collection Date:</b>	5/6/99 8:30:00 AM
		<b>COC Record:</b>	7189

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	5/10/99

**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

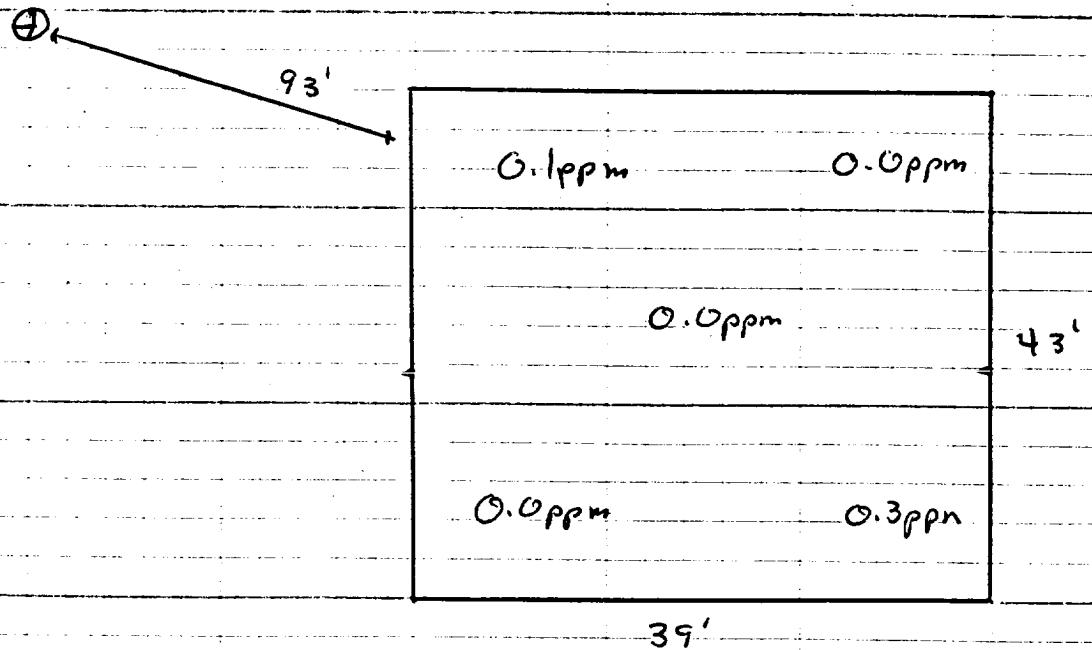
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Culpepper Martin #4  
Sec- 38 T-32N R-12W UL-N  
Burlington

# LANDFARM DRAWING

App 260 cu yds.



2" to 12" Depth

Headspace Reading 2.3ppm  
Sample # 9906241111

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 13-Jul-99

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** Culpepper Martin 4, 3A, 3ARB & 3 LF  
**Lab Order:** 9906074

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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:** 13-Jul-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Culpepper Martin 4 LF
<b>Work Order:</b>	9906074	<b>Client Sample ID:</b>	9906241111; 5pt Comp
<b>Lab ID:</b>	9906074-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Culpepper Martin 4, 3A, 3ARB & 3 LF	<b>Collection Date:</b>	6/24/99 11:11:00 AM
		<b>COC Record:</b>	7722

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	25		mg/Kg	1	7/7/99

**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

1 of 1

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