

District I  
P.O. Box 1980, Hobbs, NM 88240  
District II  
P.O. Drawer 100, Lordsburg, NM 88000  
District III  
1000 Rio Brazos Rd, Aztec, NM 87801

*Henry E. Foster*  
**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

04  
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 #11

Location: Unit A Sec 29 T 32 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: 69'

Direction from reference: Due 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)  | <u>0</u> |

**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)  | <u>0</u> |

**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)  | <u>0</u> |

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

Culpepper Martin #11

Date Remediation Started: 05/06/1999

Date Completed: 05/06/1999

## Remediation Method:

Excavation ☒

Approx. Cubic Yard 630

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 600

Other 30 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 45' X 27' X 14' 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

14'

Sample date

05/06/1999

Sample time

10:06:00 AM

## Sample Results

Benzene (ppm)

0.170

Total BTEX (ppm)

19.470

Field headspace (ppm)

TPH (ppm)

120.00

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



PRINTED NAME Maureen Gannon  
AND TITLE Project Manager

Sec. 29 T32N R12W Unit A.  
Burlington

# Excavation Drawing

27' x 45' x 14'

Sample North Wall  
13' 77.6ppm

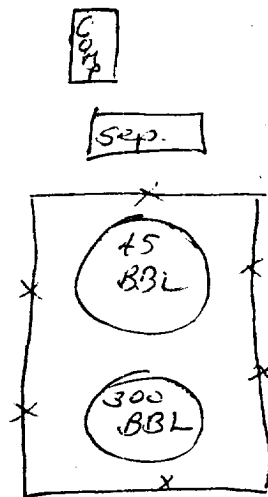
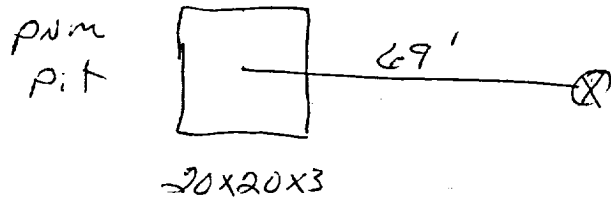
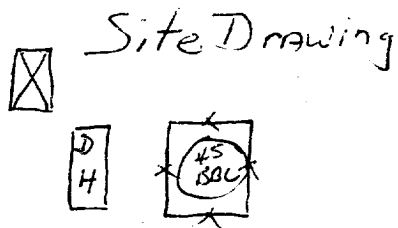
Sample West Wall  
13' 20.7ppm

5pt. Composite  
on the bottom  
Hard rock  
772 ppm  
Head space

Sample East Wall  
13' 55.4ppm

Sample South Wall  
13' 97.3ppm

Sec. 29 T32N R12W Unit A  
Burlington



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 #11, #3A and #3

**Lab Order:** 9905034

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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.

12on

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 #11         |
| <b>Work Order:</b> | 9905034                            | <b>Client Sample ID:</b>   | 9905061006; 5pt. Bottom Comp |
| <b>Lab ID:</b>     | 9905034-02A                        | <b>Matrix:</b>             | SOIL                         |
| <b>Project:</b>    | Culpepper Martin #11, #3A and #3   | <b>Collection Date:</b>    | 5/6/99 10:06:00 AM           |
|                    |                                    | <b>COC Record:</b>         | 7478                         |

| Parameter                           | Result | PQL            | Qual | Units | DF  | Date Analyzed |
|-------------------------------------|--------|----------------|------|-------|-----|---------------|
| <b>DIESEL RANGE ORGANICS</b>        |        | <b>SW8015B</b> |      |       |     | Analyst: DC   |
| T/F Hydrocarbons: C10-C28           | 120    | 25             |      | mg/Kg | 1   | 5/18/99       |
| <b>AROMATIC VOLATILES BY GC/PID</b> |        | <b>SW8021B</b> |      |       |     | Analyst: DM   |
| Benzene                             | 170    | 100            |      | µg/Kg | 100 | 5/13/99       |
| Toluene                             | 2800   | 200            |      | µg/Kg | 100 | 5/13/99       |
| Ethylbenzene                        | 1300   | 100            |      | µg/Kg | 100 | 5/13/99       |
| m,p-Xylene                          | 12000  | 200            |      | µg/Kg | 100 | 5/13/99       |
| o-Xylene                            | 3200   | 100            |      | µg/Kg | 100 | 5/13/99       |

19470  
19.470 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

1 of 1

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

**ANALYTICAL REPORT****Date:** 18-May-99

|                    |                                    |                            |                            |
|--------------------|------------------------------------|----------------------------|----------------------------|
| <b>Client:</b>     | PNM - Public Service Company of NM | <b>Client Sample Info:</b> | Culpepper Martin #11       |
| <b>Work Order:</b> | 9905034                            | <b>Client Sample ID:</b>   | 9905061000; 4pt. Wall Comp |
| <b>Lab ID:</b>     | 9905034-01A                        | <b>Matrix:</b>             | SOIL                       |
| <b>Project:</b>    | Culpepper Martin #11, #3A and #3   | <b>Collection Date:</b>    | 5/6/99 10:00:00 AM         |
|                    |                                    | <b>COC Record:</b>         | 7478                       |

| 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  | 5/12/99       |

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1 of 1

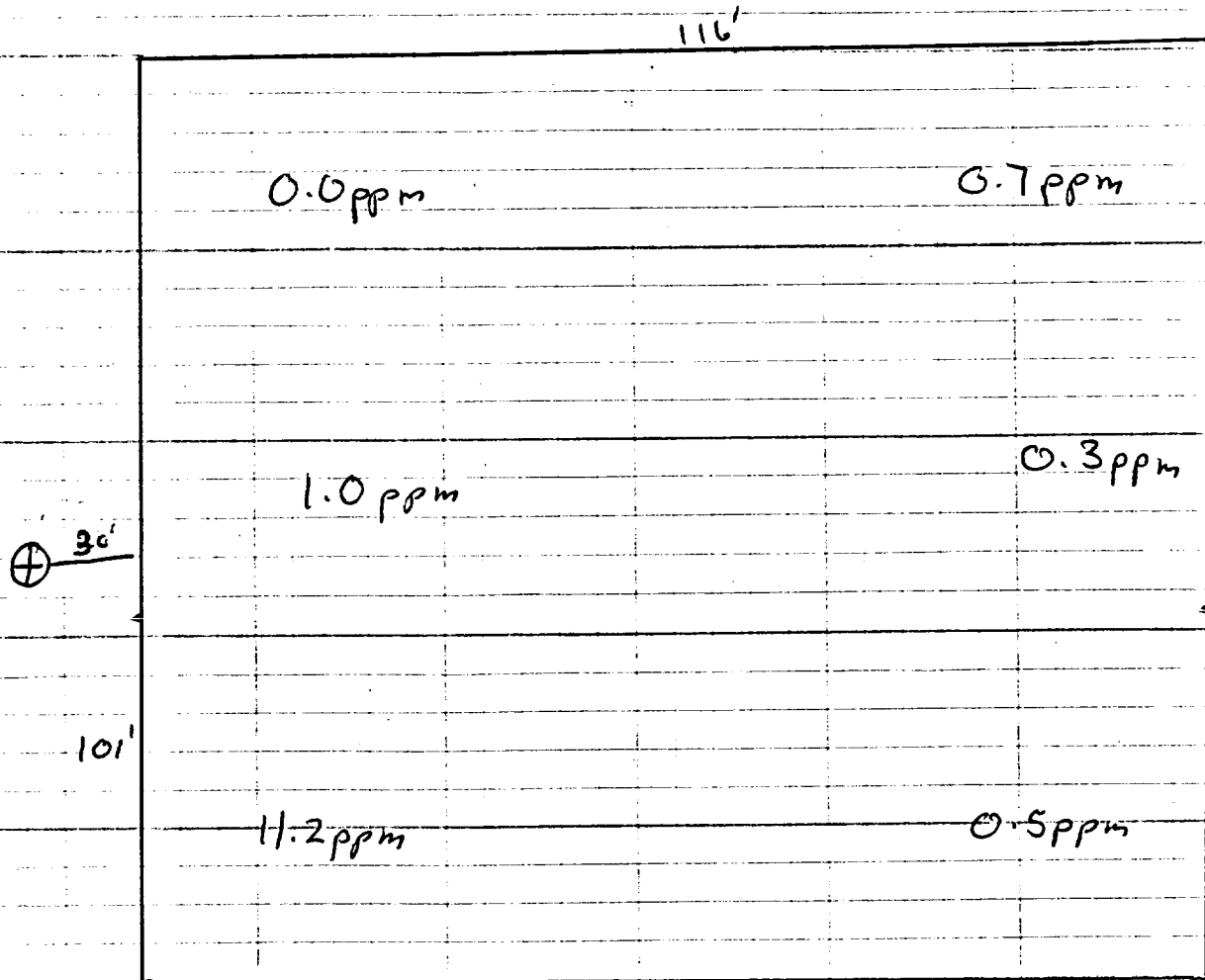
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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Culpeper Martin # 11  
Sec - 29 T-32N R-12W 4L-A  
Burlington

# LAND FARM DRAWING

App 600 cu yds



2" to 12" Depth

Headspace Reading 3.0 ppm  
Sample # 9906151055

Not to  
Scale





**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 #11 LF |
| <b>Work Order:</b> | 9906057                            | <b>Client Sample ID:</b>   | 9906151055; 6pt. Comp.  |
| <b>Lab ID:</b>     | 9906057-01A                        | <b>Matrix:</b>             | SOIL                    |
| <b>Project:</b>    | Culpepper Martin Landfarms         | <b>Collection Date:</b>    | 6/15/99 10:55:00 AM     |
|                    |                                    | <b>COC Record:</b>         | 7720                    |

| 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  | 6/18/99            |

**Qualifiers:**

PQL - Practical Quantitation Limit  
ND - Not Detected at Practical Quantitation Limit  
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E - Value above quantitation range  
Surr: - Surrogate

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