

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

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  
STATE 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 #11A

Location: Unit I 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: 99'

Direction from reference: 10 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 #11A

Date Remediation Started: 05/04/1999

Date Completed: 05/04/1999

## Remediation Method:

Excavation ☒

Approx. Cubic Yard 356

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 356

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 24' X 20' X 20' 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 20'

Sample date 05/04/1999

Sample time 2:40:00 PM

## Sample Results

Benzene (ppm) &lt; 0.002

Total BTEX (ppm) 0.255

Field headspace (ppm) \_\_\_\_\_

TPH (ppm) &lt; 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



PRINTED NAME Maureen Gannon  
AND TITLE Project Manager

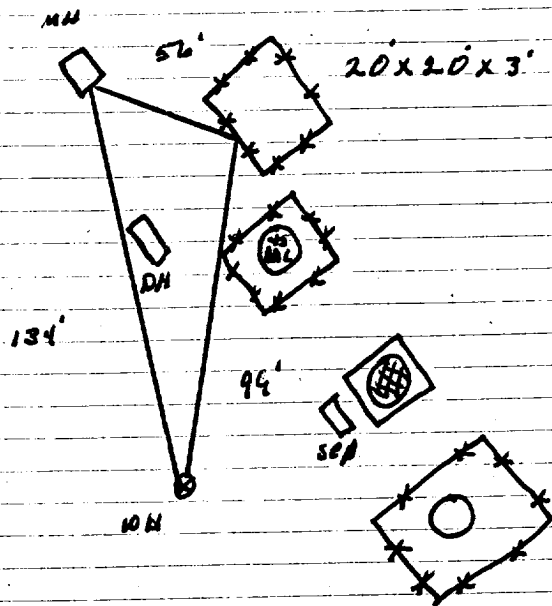
Culpepper Martin #11A

(I) 29-32N-12W

Burlington

5-3-44

2640 ppm



### Excavation Sampling

#### PID Readings

5' - 1465

10' - 2029

15' - 1711

20' - 1690

West wall head space  
at 20' - 0 ppm

5 point bottom composite head space  
at 20' - 473 ppm

at 20' - 0 ppm  
south wall head space

North wall head space  
at 20' - 0 ppm

East 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

**Lab Order:** 9905022

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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 #11A |
| <b>Work Order:</b> | 9905022                            | <b>Client Sample ID:</b>   | 9905041440; 5pt Comp  |
| <b>Lab ID:</b>     | 9905022-05A                        | <b>Matrix:</b>             | SOIL                  |
| <b>Project:</b>    | Culpepper Martin                   | <b>Collection Date:</b>    | 5/4/99 2:40:00 PM     |
|                    |                                    | <b>COC Record:</b>         | 5797                  |

| 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  | 5/17/99       |
| <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                        | 12     | 2              |      | µg/Kg | 2  | 5/11/99       |
| m,p-Xylene                          | 160    | 4              |      | µg/Kg | 2  | 5/11/99       |
| o-Xylene                            | 83     | 2              |      | µg/Kg | 2  | 5/11/99       |

255  
 255 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



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 #11A   |
| <b>Work Order:</b> | 9905022                            | <b>Client Sample ID:</b>   | 9905041445; 4 Wall Comp |
| <b>Lab ID:</b>     | 9905022-06A                        | <b>Matrix:</b>             | SOIL                    |
| <b>Project:</b>    | Culpepper Martin                   | <b>Collection Date:</b>    | 5/4/99 2:45:00 PM       |
|                    |                                    | <b>COC Record:</b>         | 5797                    |

| 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       |

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1 of 1

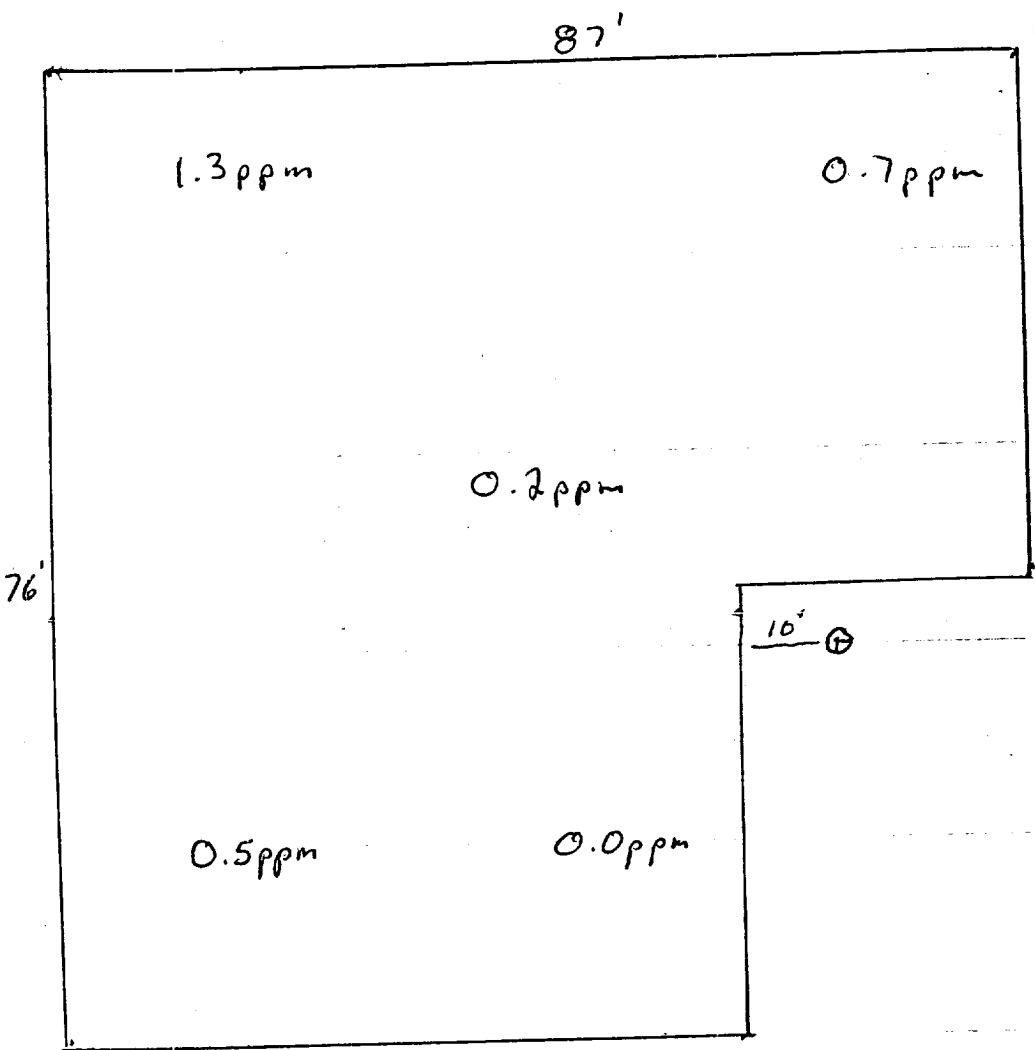
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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Culpepper Martin 11A  
Sec 29 T-32N R-12W 4L-1  
Burlington

Landfarm Drawing

App 355 cu yds



2" to 12" Depth  
Headspace 4.9 ppm  
Sample # 9906151127

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date: 21-Jun-99**

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

## **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 #11A LF |
| <b>Work Order:</b> | 9906057                            | <b>Client Sample ID:</b>   | 9906151127; 5pt. Comp.   |
| <b>Lab ID:</b>     | 9906057-02A                        | <b>Matrix:</b>             | SOIL                     |
| <b>Project:</b>    | Culpepper Martin Landfarms         | <b>Collection Date:</b>    | 6/15/99 11:27:00 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

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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