

District I  
P.O. Box 19800, Albuquerque, NM 87106  
*Donny E. Faust*  
DEPUTY OIL & GAS INSPECTOR

District III  
1600 Rio Brazos Rd, Aztec, NM 87410  
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

SUBMIT 1 COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED  
JUL 30 1999

OIL CON. DIV.  
DIST. 3

Operator: PNM Gas Services (Burlington) Telephone: 324-3764  
Address: 603 W. Elm Street Farmington, NM 87401  
Facility or Well Name: Culpepper Martin #9A  
Location: Unit A Sec 30 T 32N R 12W County San Juan  
Pit Type: Separator ☐ Dehydrator ☒ Other \_\_\_\_\_  
Land Type: BLM ☐ State ☐ Fee ☒ Other \_\_\_\_\_

Pit Location: Pit dimensions: length 18' width 18' depth 3'  
(Attach diagram) Reference: wellhead ☒ other \_\_\_\_\_  
Footage from reference: 141'  
Direction from reference: 65 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 #9A

Date Remediation Started: 05/06/1999

Date Completed: 05/10/1999

Remediation Method:

Excavation ☒

Approx. Cubic Yard 506

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 506

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 32.5' X 42' X 10' 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

10'

Sample date

05/10/1999

Sample time

9:15:00 AM

Sample Results

Benzene (ppm) < 0.025

Total BTEX (ppm) 1.475

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

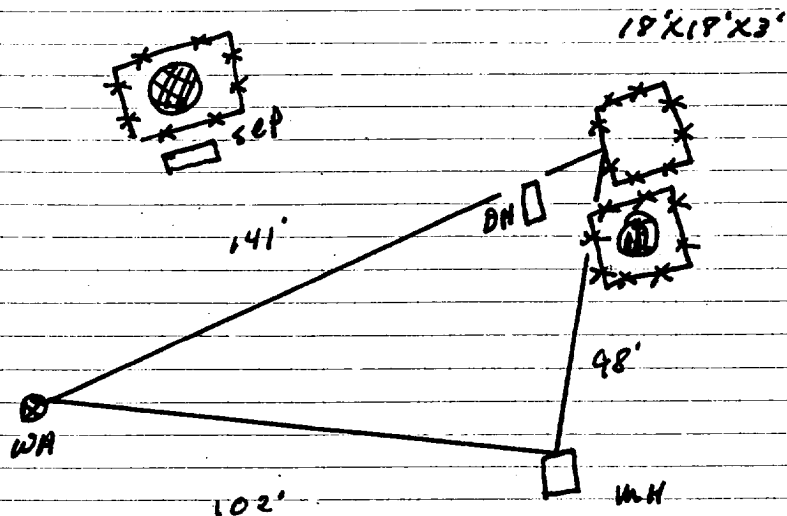
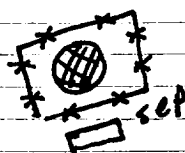
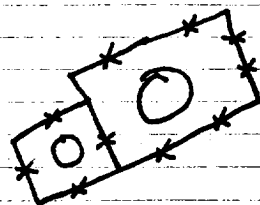
PRINTED NAME Maureen Gannon  
AND TITLE Project Manager

Culpper Martin # 9A

(A) 30-32N-12W

Arlington

5-6-99



Excavation Sampling  
PID readings

32.5'(N+S) x 42'(E+W) x 10'(D)

5' - 1494 ppm

8' - 1689 ppm

10' - 1634 ppm

north wall head space  
at 10' - 0 ppm

east wall head space  
at 10' - 0 ppm

west wall head space  
at 10' - 0 ppm

5 point bottom composite head space  
at 10' - 866 ppm

south wall head space  
at 10' - 78.3 ppm

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 #9A & #13A

**Lab Order:** 9905044

## **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.

Ray

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 #9A
<b>Work Order:</b>	9905044	<b>Client Sample ID:</b>	9905100915; 5pt. Bottom Comp
<b>Lab ID:</b>	9905044-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Culpepper Martin #9A & #13A	<b>Collection Date:</b>	5/10/99 9:15:00 AM
		<b>COC Record:</b>	7190

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	ND	25		µg/Kg	25	5/13/99
Toluene	150	50		µg/Kg	25	5/13/99
Ethylbenzene	65	25		µg/Kg	25	5/13/99
m,p-Xylene	1000	50		µg/Kg	25	5/13/99
o-Xylene	260	25		µg/Kg	25	5/13/99

1475  
1.475 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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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 #9A
<b>Work Order:</b>	9905044	<b>Client Sample ID:</b>	9905100920; 4 Wall Comp
<b>Lab ID:</b>	9905044-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Culpepper Martin #9A & #13A	<b>Collection Date:</b>	5/10/99 9:20:00 AM
		<b>COC Record:</b>	7190

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	5/19/99

**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

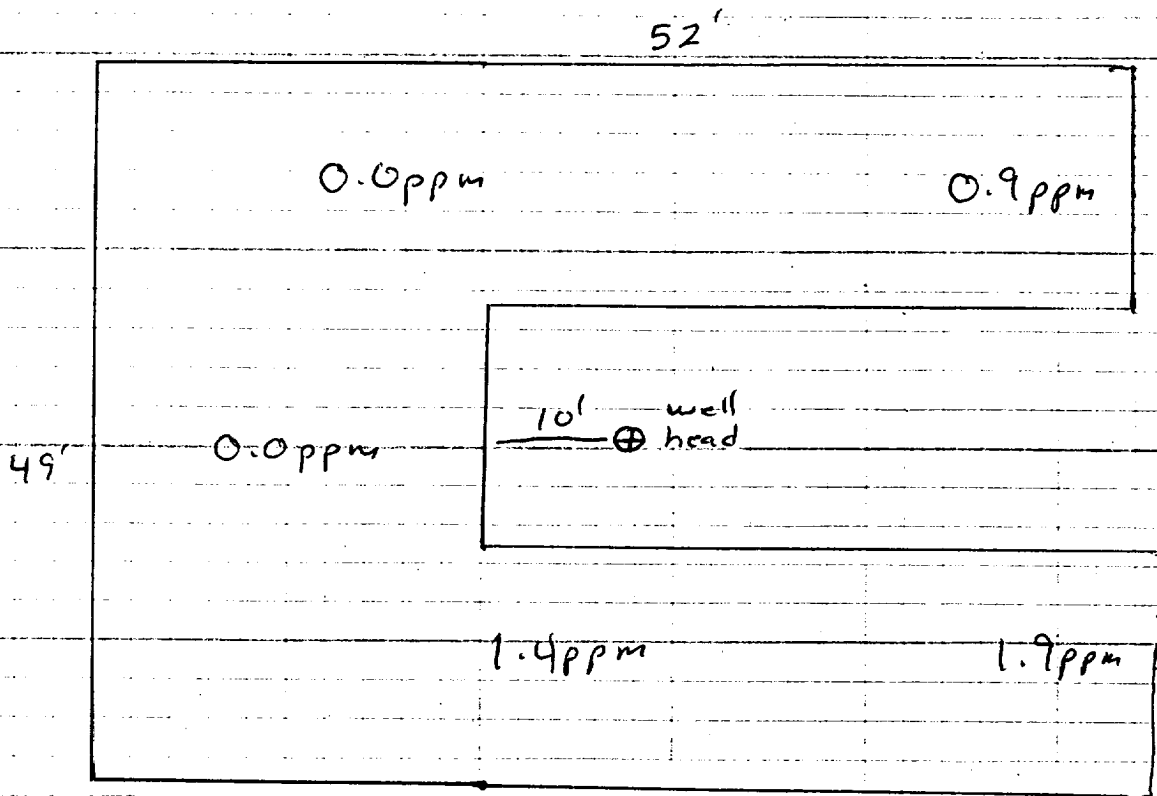
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Culpepper Martin #9A  
Sec-30 T-32N R-12W UL-A  
Burlington

Landfarm Drawing

App 505 cu yds



2" to 12" Depth

Headspace Reading 10.4 ppm  
Sample # 9906301002

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:** Culpepper Martin Landfarms  
**Lab Order:** 9907002

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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>	Culpepper Martin #9A LF
<b>Work Order:</b>	9907002	<b>Client Sample ID:</b>	9906301002; 5pt. Composite
<b>Lab ID:</b>	9907002-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Culpepper Martin Landfarms	<b>Collection Date:</b>	6/30/99 10:02:00 AM
		<b>COC Record:</b>	7727

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	7/13/99

**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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