

District III ;  
1000 Rio Brazos Rd.

*Denny E. Faust*  
DEPUTY OIL & GAS INSPECTOR

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

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OIL CON. DIV.  
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## PIT REMEDIATION AND CLOSURE REPORT

Approved \_\_\_\_\_

<b>Operator:</b>	PNM Gas Services ( Burlington )	<b>Telephone:</b>	324-3764
<b>Address:</b>	603 W. Elm Street Farmington, NM 87401		
<b>Facility or Well Name:</b>	Culpepper Martin #13A		
<b>Location:</b>	Unit <u>  E  </u>	Sec <u> 29 </u>	T <u> 32 N </u> R <u> 12 W </u> County <u> San Juan </u>
<b>Pit Type:</b>	Separator <input type="checkbox"/>	Dehydrator <input checked="" type="checkbox"/>	Other _____
<b>Land Type:</b>	BLM <input type="checkbox"/>	State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/> Other _____

<b>Pit Location:</b>	Pit dimensions:	length <u> 15 '</u>	width <u> 15 '</u>	depth <u> 4 '</u>
(Attach diagram)	Reference:	wellhead <input checked="" type="checkbox"/>	other _____	
	Footage from reference:	<u> 112 '</u>		
	Direction from reference:	<u> 65 </u> Degrees	<input checked="" type="checkbox"/> East	North <input type="checkbox"/>
			of	
			<input type="checkbox"/> West	South <input checked="" type="checkbox"/>

<b>Depth to Ground Water:</b>	Less than 50 feet	(20 points)	
	50 feet to 99 feet	(10 points)	
(Vertical distance from contaminants to seasonal high water elevation of ground water)	Greater than 100 feet	( 0 points)	10

<b>Wellhead Protection Area:</b>	Yes	(20 points)	
(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)	No	( 0 points)	0

<b>Distance to Surface Water:</b>	Less than 200 feet	(20 points)	
	200 feet to 1,000 feet	(10 points)	
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Greater than 1,000 feet	( 0 points)	0

<b>RANKING SCORE (TOTAL POINTS) :</b>	10
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Culpepper Martin #13A

Date Remediation Started: 05/10/1999

Date Completed: 05/10/1999

Remediation Method: Excavation ☒

Approx. Cubic Yard 436

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 436

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 21' X 28' 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 05/10/1999

Sample time 1:20:00 PM

Sample Results

Benzene (ppm) 0.11

Total BTEX (ppm) 2.29

Field headspace (ppm)

TPH (ppm) 29.00

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*

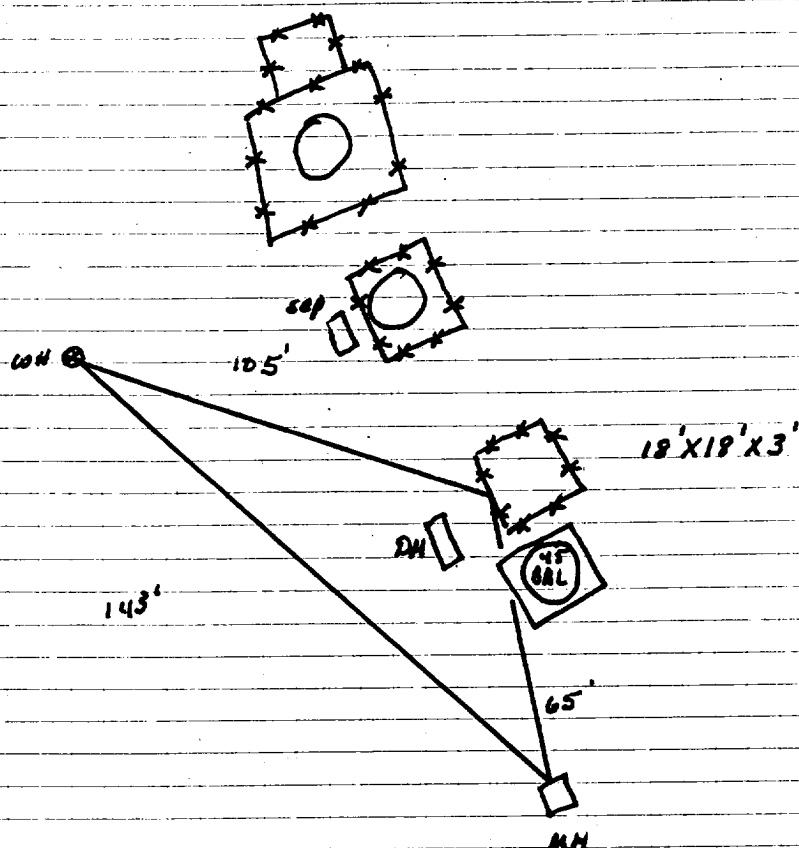
PRINTED NAME Maureen Gannon  
AND TITLE Project Manager

Culpper Martin #13A

(E) 29-32N12W

Burlington

5-10-49



### Excavation Sampling

#### PID readings

5' - 1522 ppm

10' - 1719 ppm

15' - 1404 ppm

20' - 1003 ppm

West wall head space  
at 20' - 92.3 ppm

North wall head space  
at 20' - 0 ppm

East wall head space  
at 20' - 0 ppm

5 point bottom composite head space  
at 20' - 450.8 ppm

South wall head space  
at 20' - 54.8 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

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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: 20-May-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Culpepper Martin #13A
Work Order:	9905044	Client Sample ID:	9905101320; 5pt. Bottom Comp
Lab ID:	9905044-03A	Matrix:	SOIL
Project:	Culpepper Martin #9A & #13A	Collection Date:	5/10/99 1:20:00 PM
		COC Record:	7190

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				Analyst: DC
T/R Hydrocarbons: C10-C28	29	25		mg/Kg	1	5/19/99
<b>AROMATIC VOLATILES BY GC/PID</b>		<b>SW8021B</b>				Analyst: DM
Benzene	110	25		µg/Kg	25	5/13/99
Toluene	410	50		µg/Kg	25	5/13/99
Ethylbenzene	120	25		µg/Kg	25	5/13/99
m,p-Xylene	1300	50		µg/Kg	25	5/13/99
o-Xylene	350	25		µg/Kg	25	5/13/99

2290  
2.290 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: 20-May-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Culpepper Martin #13A
<b>Work Order:</b>	9905044	<b>Client Sample ID:</b>	9905101325; 4 Wall Comp
<b>Lab ID:</b>	9905044-04A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Culpepper Martin #9A & #13A	<b>Collection Date:</b>	5/10/99 1:25:00 PM
		<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

**Qualifiers:**

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1 of 1

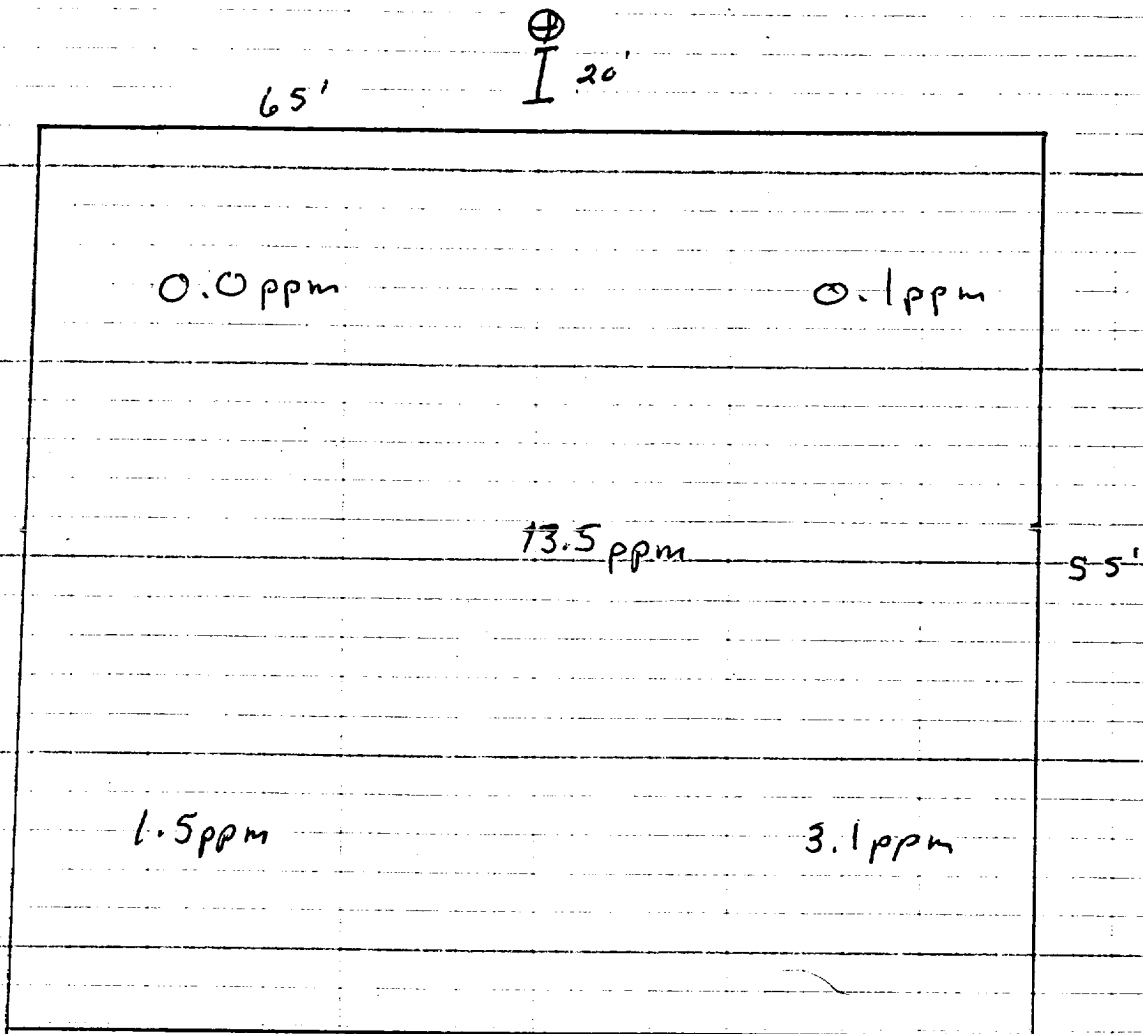
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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Culpepper Martin #13A  
Sec-29 T-29N R-12W ULE  
Burlington

LAND FARM DRAWING

App 435 cnyds



2" to 12" Depth  
Headspace Reading 20.8 ppm  
Sample # 9906301045

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

**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.



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 #13A LF
<b>Work Order:</b>	9907002	<b>Client Sample ID:</b>	9906301045; 5pt. Composite
<b>Lab ID:</b>	9907002-03A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Culpepper Martin Landfarms	<b>Collection Date:</b>	6/30/99 10:45:00 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  
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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