

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

*Denny G. 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

SEP 03 1999

**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 #17

Location: Unit O Sec 33 T 32 N R 12 W County San Juan

Pit Type: Separator ☐ Dehydrator ☒ Other Drip

Land Type: BLM ☐ State ☐ Fee ☒ Other

Pit Location: Pit dimensions: length 20 ' width 20 ' depth 3 '

(Attach diagram) Reference: wellhead ☒ other

Footage from reference: 135'

Direction from reference: 15 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 #17

Date Remediation Started: 05/10/1999

Date Completed: 05/10/1999

Remediation Method: Excavation ☒

Approx. Cubic Yard 230

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 230

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 23' X 18' X 15' 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 15'

Sample date 05/10/1999

Sample time 8:15:00 AM

Sample Results

Benzene (ppm) 0.002

Total BTEX (ppm) 0.112

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



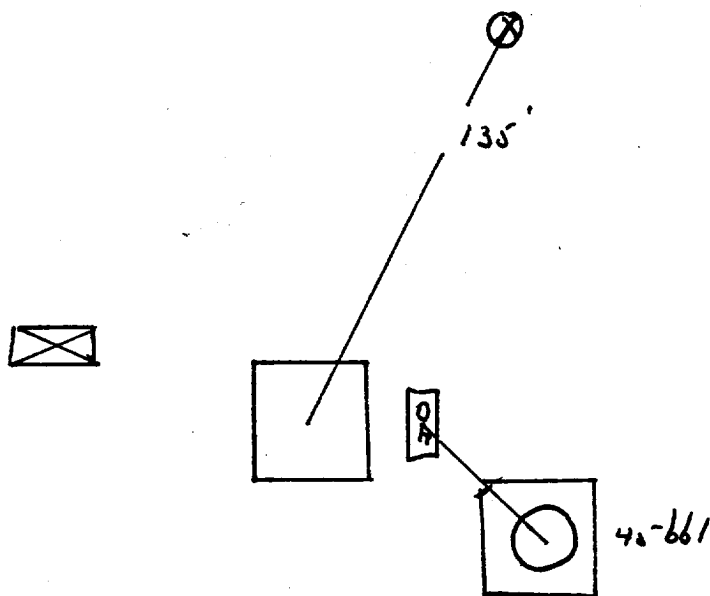
PRINTED NAME Maureen Gannon  
AND TITLE Project Manager

Culpeper Martin # 17  
Burlington  
Sec. 33, 32N, 12W, 0

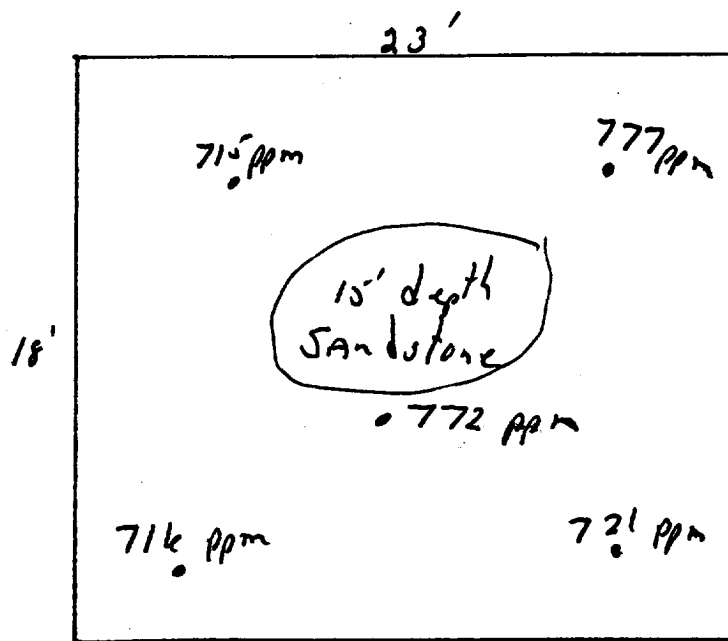
5/10/19

↑  
N

site diagram:



End of Excavation:



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 #17

**Lab Order:** 9905041

## **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.

WARY

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 #17
<b>Work Order:</b>	9905041	<b>Client Sample ID:</b>	9905100815; Bottom @ 15ft.
<b>Lab ID:</b>	9905041-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Culpepper Martin #17	<b>Collection Date:</b>	5/10/99 8:15:00 AM
		<b>COC Record:</b>	7593

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	5/18/99
<b>AROMATIC VOLATILES BY GC/PID</b>						
	<b>SW8021B</b>					Analyst: DM
Benzene	2.2	2		µg/Kg	2	5/13/99
Toluene	ND	4		µg/Kg	2	5/13/99
Ethylbenzene	3.7	2		µg/Kg	2	5/13/99
m,p-Xylene	93	4		µg/Kg	2	5/13/99
o-Xylene	13	2		µg/Kg	2	5/13/99

111.9  
•1119 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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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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 #17
<b>Work Order:</b>	9905041	<b>Client Sample ID:</b>	9905100820; Walls @ 10ft.
<b>Lab ID:</b>	9905041-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Culpepper Martin #17	<b>Collection Date:</b>	5/10/99 8:20:00 AM
		<b>COC Record:</b>	7593

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	5/18/99

**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

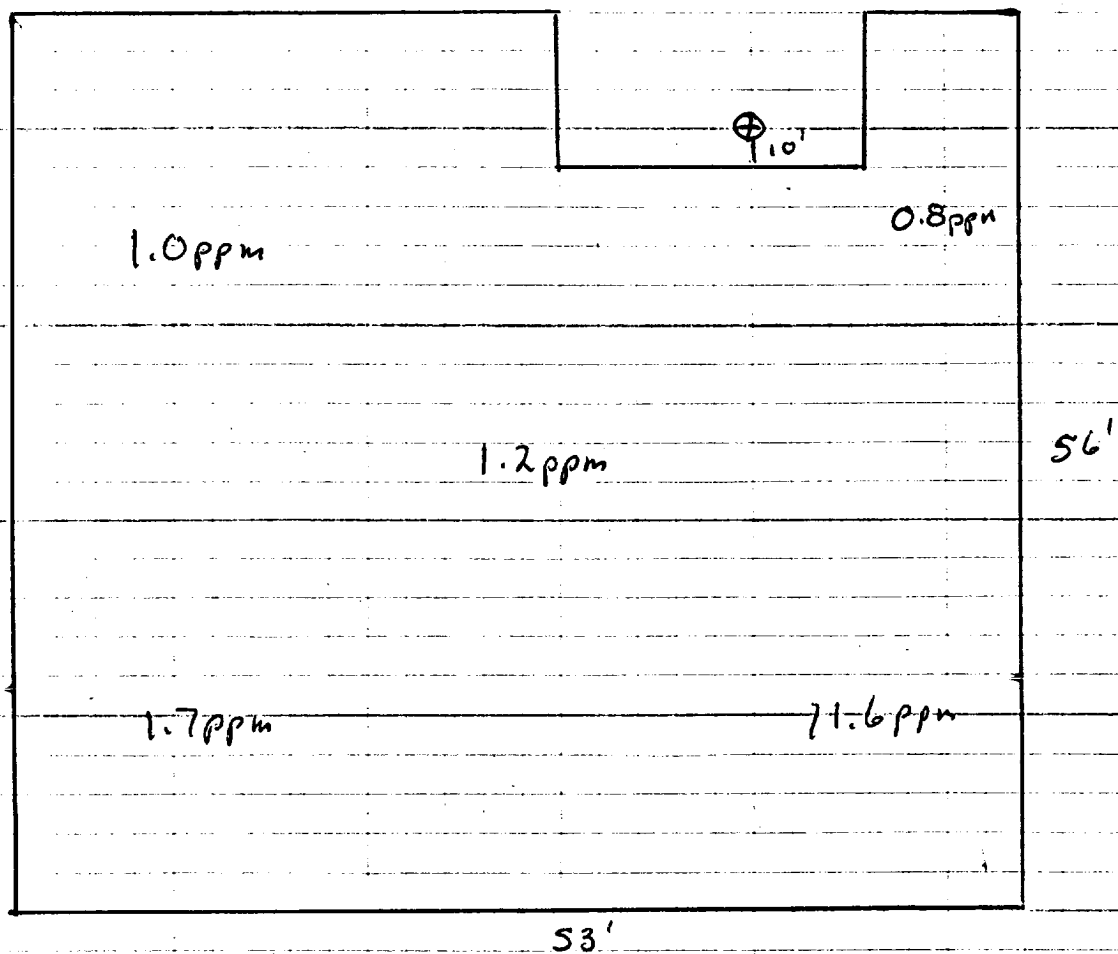
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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Culpepper Martin #17  
Sec - 33 T-32N R-12W 46-0  
Burlington

# LAND FARM DRAWING



2" to 12" Depth

Headspace Reading 16.4 ppm  
Sample # 990634.1209

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 17 & 14A LF

**Lab Order:** 9906075

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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: 13-Jul-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Culpepper Martin 17 LF
<b>Work Order:</b>	9906075	<b>Client Sample ID:</b>	9906241209; 5pt Comp
<b>Lab ID:</b>	9906075-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Culpepper Martin 17 & 14A LF	<b>Collection Date:</b>	6/24/99 12:09:00 PM
		<b>COC Record:</b>	7721

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				Analyst: DC
T/R Hydrocarbons: C10-C28	48	25		mg/Kg	1	7/7/99

**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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