

District I  
P.O. Box 1980, Hobbs, NM

**DEPUTY OIL & GAS INSPECTOR**  
District II  
P.O. Drawer DD, Artesia, NM 88221

District III  
1000 Rio Brazos Rd., Aztec, NM 87412

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

**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 #14

**Location:** Unit A Sec 32 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:** 130'

**Direction from reference:** 85 Degrees ☒ East North ☒  
of ☐ West South ☐

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

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

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

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

Culpepper Martin #14

Date Remediation Started: 05/11/1999

Date Completed: 05/11/1999

Remediation Method:

Excavation ☒

Approx. Cubic Yard 68

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 38

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 18' X 17' X 6' 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:

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample Location

5 pt. composite - bottom.

Sample depth

6'

Sample date

05/11/1999

Sample time

9:10:00 AM

Sample Results

Benzene (ppm) < 0.025

Total BTEX (ppm) 0.279

Field headspace (ppm)

TPH (ppm)

620.00

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*

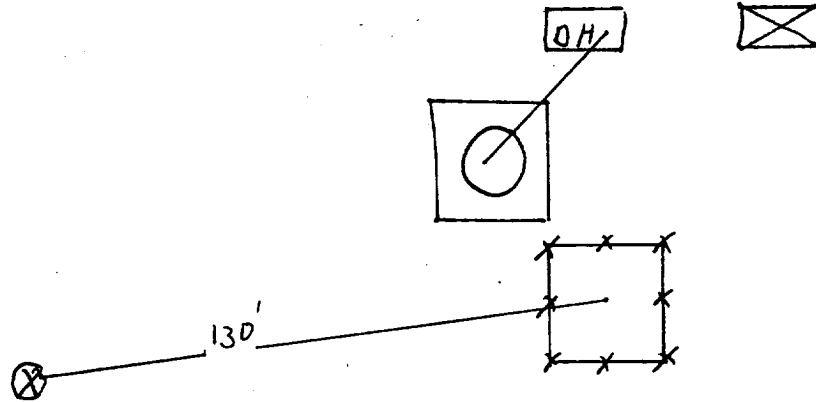
PRINTED NAME Maureen Gannon  
AND TITLE Project Manager

Culpepper Martin # 14  
Burlington  
Sec. 32, 32 N, 12 W, A

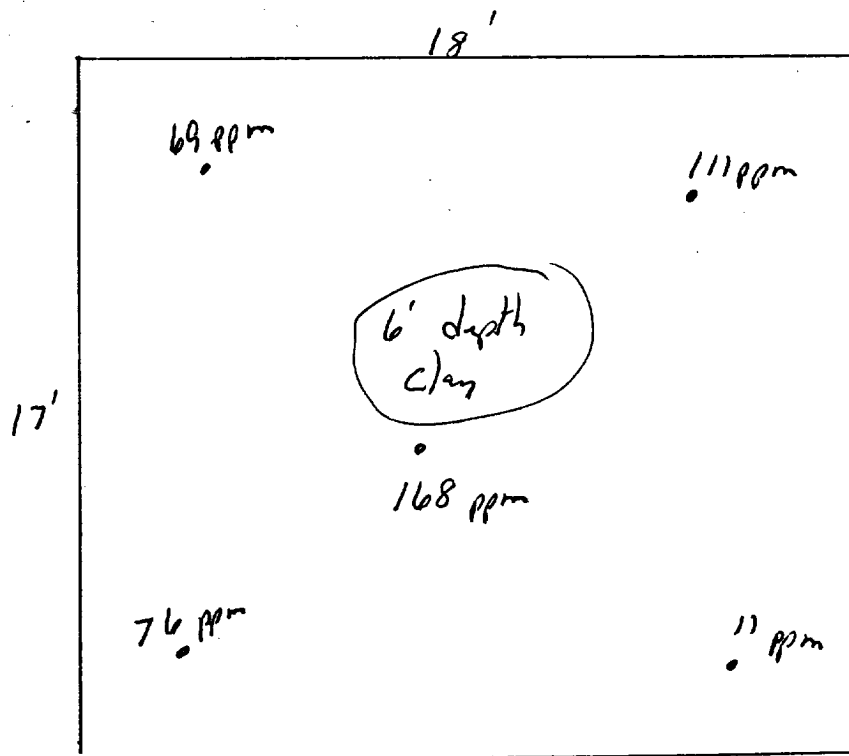
5/11/99

↑  
N

Site diagram:



End of excavation:



not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 25-May-99

---

**CLIENT:** PNM - Public Service Company of NM

**Project:** Culpepper Martin #14

**Lab Order:** 9905048

**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:** 25-May-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Culpepper Martin #14
<b>Work Order:</b>	9905048	<b>Client Sample ID:</b>	9905110910; Bottom @ 6ft.
<b>Lab ID:</b>	9905048-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Culpepper Martin #14	<b>Collection Date:</b>	5/11/99 9:10:00 AM
		<b>COC Record:</b>	7595

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	620	25		mg/Kg	1	5/20/99
<b>AROMATIC VOLATILES BY GC/PID</b>		<b>SW8021B</b>				<b>Analyst: DM</b>
Benzene	ND	25		µg/Kg	25	5/19/99
Toluene	ND	50		µg/Kg	25	5/19/99
Ethylbenzene	29	25		µg/Kg	25	5/19/99
m,p-Xylene	160	50		µg/Kg	25	5/19/99
o-Xylene	90	25		µg/Kg	25	5/19/99

279  
279 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

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

LARRY

OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 25-May-99

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Culpepper Martin #14
<b>Work Order:</b>	9905048	<b>Client Sample ID:</b>	9905110915; Walls @ 3ft.
<b>Lab ID:</b>	9905048-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Culpepper Martin #14	<b>Collection Date:</b>	5/11/99 9:15:00 AM
		<b>COC Record:</b>	7595

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	5/20/99

<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

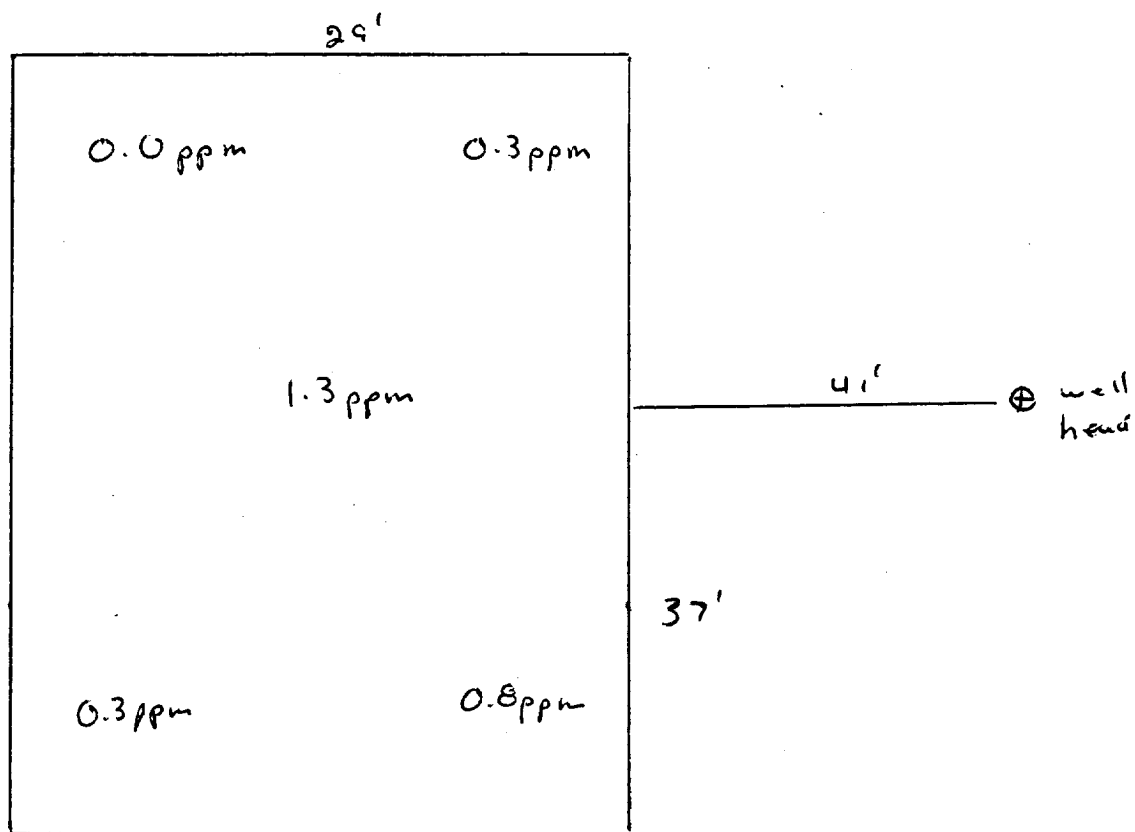
1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Culpepper Martin # 14  
Sec-32 T-32N R-12W ULA  
Burlington

Landfarm Drawing  
App 38 cu yds



2" to 12" Depth  
Headspace 2.8 ppm  
Sample # 9906301421

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 19-Jul-99

---

**CLIENT:** PNM - Public Service Company of NM  
**Project:** CM #14 & Gross #1E Landfarms  
**Lab Order:** 9907003

---

**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 #14 LF
<b>Work Order:</b>	9907003	<b>Client Sample ID:</b>	9906301421; 5pt. Composite
<b>Lab ID:</b>	9907003-01A	<b>Matrix:</b>	SOIL
<b>Project:</b>	CM #14 & Gross #1E Landfarms	<b>Collection Date:</b>	6/30/99 2:21:00 PM
		<b>COC Record:</b>	7725

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	7/14/99

**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

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -