

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

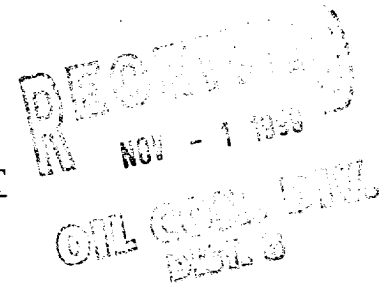
State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

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

PIT REMEDIATION AND CLOSURE REPORT



Operator: PNM Gas Services (Energex) **Telephone:** 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Culpepper Martin #3M

Location: Unit F Sec 7 T 31 N R 12 W 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: 94 '

Direction from reference: 59 Degrees ☒ East ☐ West of North ☒ South ☐

Depth to Ground Water: <small>(Vertical distance from contaminants to seasonal high water elevation of ground water)</small>	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: <small>(Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources)</small>	Yes	(20 points)	
	No	(0 points)	<u>0</u>

Distance to Surface Water: <small>(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)</small>	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 #3M

Date Remediation Started: 04/27/1999

Date Completed: 04/28/1999

Remediation Method: Excavation ☒ Approx. Cubic Yard 938
(Check all appropriate sections) Landfarmed ☒ Amount Landfarmed (cubic yds) 838
Other 100 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 30.5' X 41.5' 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 04/28/1999 Sample time 12:30:00 PM

Sample Results

Benzene (ppm) 0.00120

Total BTEX (ppm) 0.069900

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 October 28, 1999

SIGNATURE Maureen Gannon

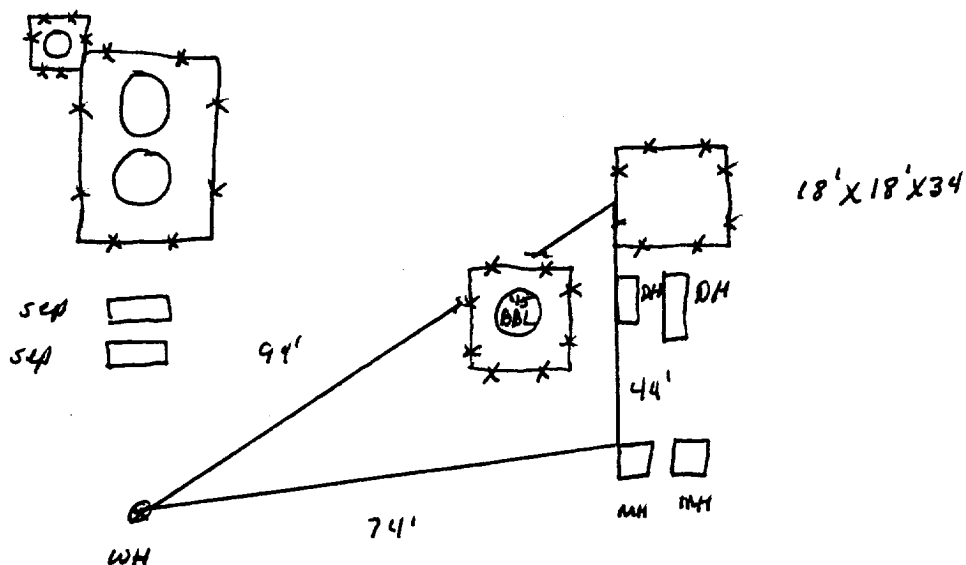
PRINTED NAME Maureen Gannon
AND TITLE Project Manager

Culpepper Martin #311

(F) 7-31N-12W

Energie

4-27-99



Excavation Sampling

$$30.5' (N+S) \times 41.5' (E+W) \times 20' (D)$$

PID readings

5' - 1334 ppm

10' - 2444 ppm

15' - 2044 μ m

20' - 299 ppm

north wall head space
at 20' - oppm

at 20' - 0 ppm

west wall head space
at 20' - 0" pm

at 20' - 0 pm

East wall head space
- at 20' - open

at 20' open

5 point bottom composite head space
at 20" - opp h_i

at 20 - opp h

South wall head space
at 20' - oppm

at 20' - oppm

not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 07-May-99

CLIENT: PNM - Public Service Company of NM

Project: Culpepper Martin 3M

Lab Order: 9904063

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.

RH

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 07-May-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Culpepper Martin 3M
Work Order:	9904063	Client Sample ID:	9904281230; 5pt. Bottom Comp
Lab ID:	9904063-01A	Matrix:	SOIL
Project:	Culpepper Martin 3M	Collection Date:	4/28/99 12:30:00 PM
		COC Record:	5794

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS						
	SW8015B					
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	5/6/99
AROMATIC VOLATILES BY GC/PID						
	SW8021B					
Benzene	1.2	1		µg/Kg	1	4/29/99
Toluene	8	2		µg/Kg	1	4/29/99
Ethylbenzene	1.7	1		µg/Kg	1	4/29/99
m,p-Xylene	46	2		µg/Kg	1	4/29/99
o-Xylene	13	1		µg/Kg	1	4/29/99

69.9
0.0699 ppm

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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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 07-May-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Culpepper Martin 3M
Work Order:	9904063	Client Sample ID:	9904281235; 4 Wall Comp
Lab ID:	9904063-02A	Matrix:	SOIL
Project:	Culpepper Martin 3M	Collection Date:	4/28/99 12:35:00 PM
		COC Record:	5794

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	5/4/99

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

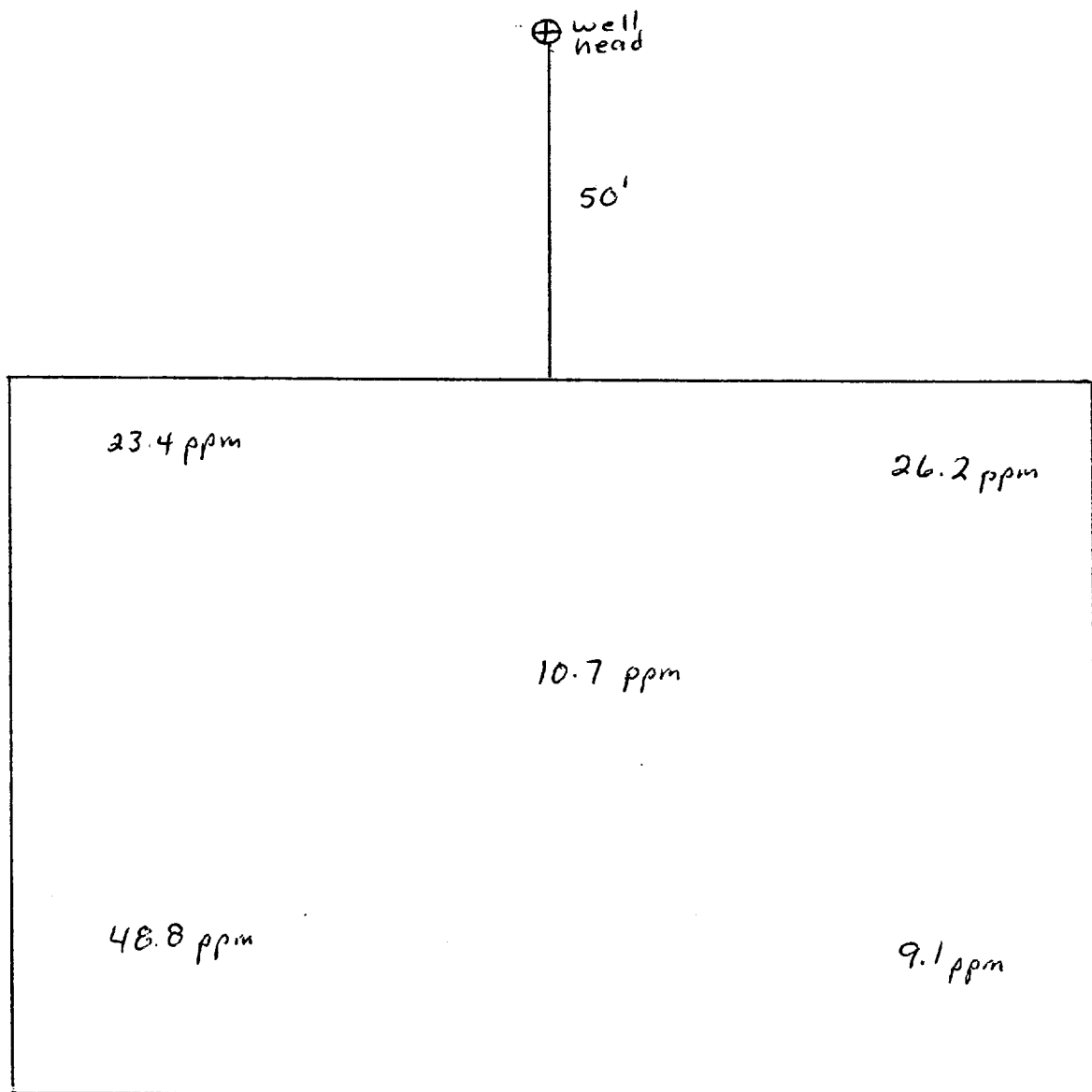
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- TECHNOLOGY SERVING INDUSTRY WITH THE ENVIRONMENT -

Culpepper Martin 3M
Sec. 7 T-31N R-12W ULG
Burlington

Land farm Drawing #1



2" to 12" Depth
Headspace - 97.6 ppm
Sample # 9907011136

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: PNM Pit Remediation Landfarms

Lab Order: 9907006

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

Client:	PNM - Public Service Company of NM	Client Sample Info:	Culpepper Martin #3M LF
Work Order:	9907006	Client Sample ID:	9907011136; 5pt. Composite
Lab ID:	9907006-02A	Matrix:	SOIL
Project:	PNM Pit Remediation Landfarms	Collection Date:	7/1/99 10:00:00 AM
		COC Record:	7726

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	44	25		mg/Kg	1	7/15/99

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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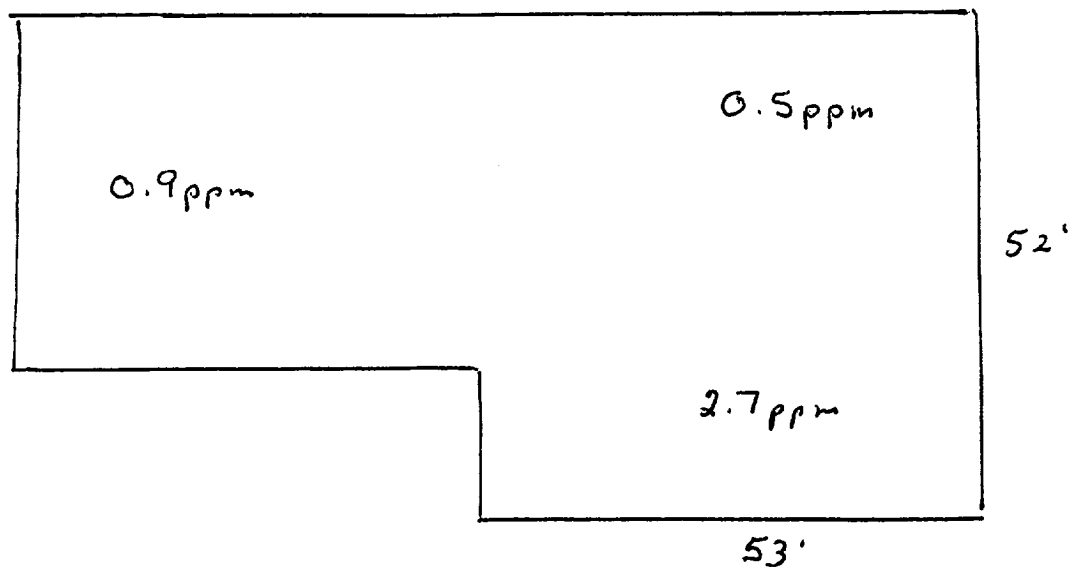
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Culpepper Martin 3M
Sec-7 T-31N R-12W 44-G
Burlington

Landfarm Drawing #2

App Cu. yds

161'



well
head



70'

73'

1.2 ppm

62'

2" to 12" Depth
Headspace 3.0ppm
Sample # 9908310852

1.7ppm

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 09-Sep-99

CLIENT: PNM - Public Service Company of NM

Project: Culpepper Martin 3M LF #2

Lab Order: 9908063

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: 09-Sep-99

Client: PNM - Public Service Company of NM
Work Order: 9908063
Lab ID: 9908063-01A **Matrix:** SOIL
Project: Culpepper Martin 3M LF #2

Client Sample Info: Culpepper Martin 3M LF #2
Client Sample ID: 9908310852; 5pt. Composite
Collection Date: 8/31/99 8:52:00 AM
COC Record: 7807

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	9/8/99

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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For more information, please call (505) 325-5667 or visit our website at www.onsitetech.com