

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

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APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

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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 #8A			
Location:		Unit <u>I</u> Sec <u>19</u> T <u>32 N</u> R <u>12 W</u> County <u>San Juan</u>	
Pit Type:		Separator <input type="checkbox"/> Dehydrator <input checked="" type="checkbox"/> Other <input type="checkbox"/>	
Land Type:		BLM <input type="checkbox"/> State <input type="checkbox"/> Fee <input checked="" type="checkbox"/> Other <input type="checkbox"/>	
Pit Location:		Pit dimensions: length <u>20</u> ' width <u>20</u> ' depth <u>3</u> '	
(Attach diagram)		Reference: wellhead <input checked="" type="checkbox"/> other <input type="checkbox"/>	
		Footage from reference: <u>100</u> '	
		Direction from reference: <u>90</u> Degrees <input checked="" type="checkbox"/> East <input type="checkbox"/> North <input checked="" type="checkbox"/>	
		of <input type="checkbox"/> West <input type="checkbox"/> South <input type="checkbox"/>	
Depth to Ground Water:		Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points) <u>0</u>	
(Vertical distance from contaminants to seasonal high water elevation of ground water)			
Wellhead Protection Area:		Yes (20 points) No (0 points) <u>0</u>	
(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) <u>0</u>	
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)			
RANKING SCORE (TOTAL POINTS):		<u>0</u>	

[illegible]

Culpepper Martin #8A

Date Remediation Started: 05/03/1999

Date Completed: 05/04/1999

Remediation Method:

Excavation ☒

Approx. Cubic Yard 1118

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 1118

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 35.5' X 42.5' 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

Five point composite - bottom.

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

Sample depth

20'

Sample date

05/04/1999

Sample time

10:30:00 AM

Sample Results

Benzene (ppm) < 0.002

Total BTEX (ppm) 0.216300

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

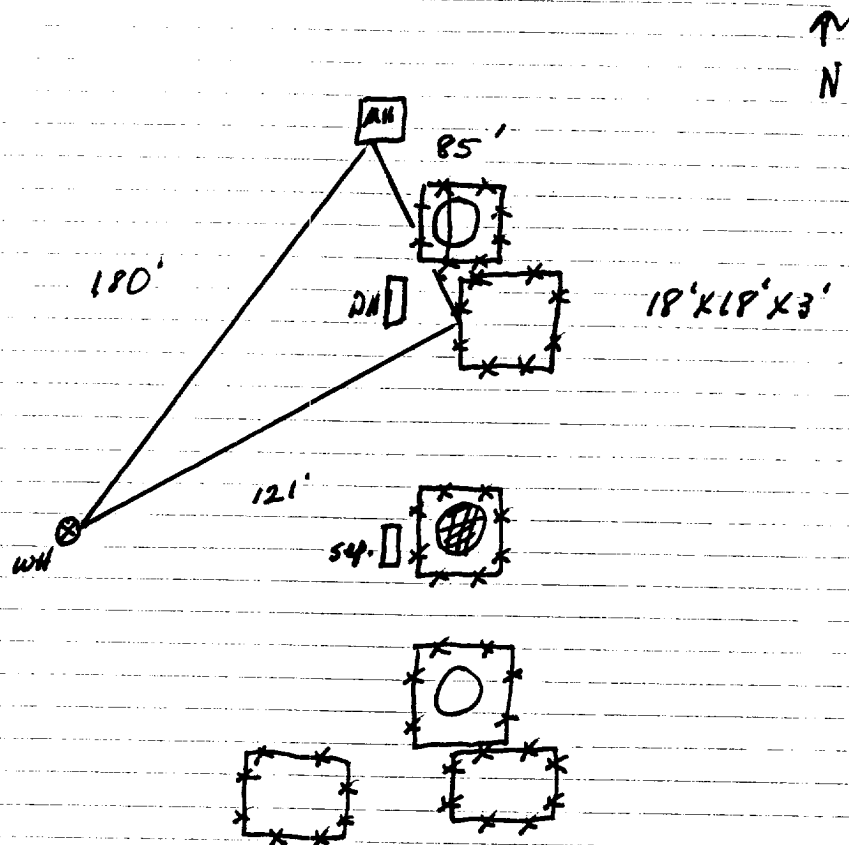
SIGNATURE

Maureen Gannon

PRINTED NAME Maureen Gannon
AND TITLE Project Manager

[illegible]

Culpepper Martin #81
 (P) 19-32N-12W
 Burlington
 5-3-99

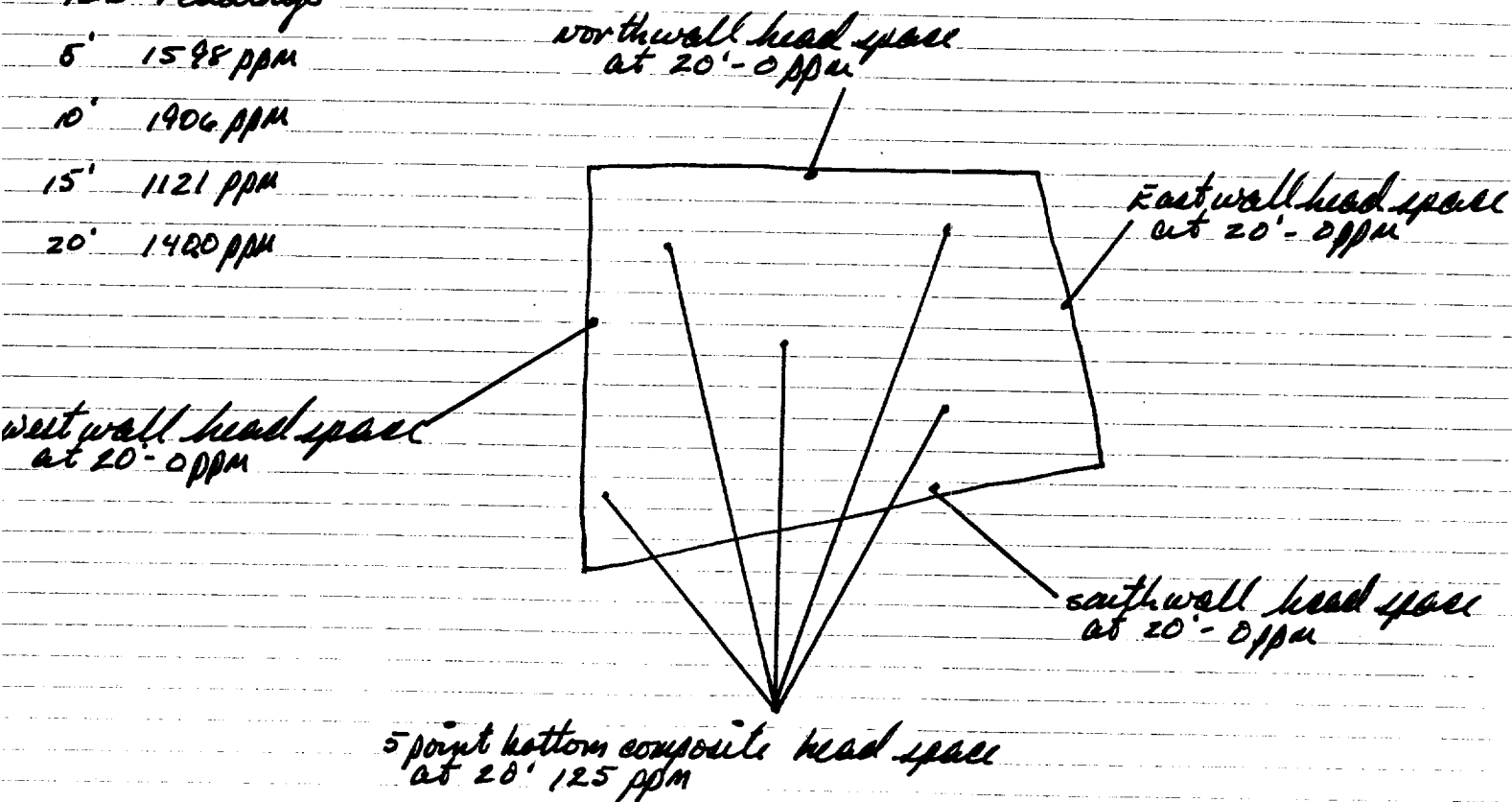


Excavation Sampling

35.5' (W) x 42.5' (E) x 20' D

PID readings

5' 1598 ppm
 10' 1906 ppm
 15' 1121 ppm
 20' 1420 ppm



16d Headspace - 0 ppm (wall composite)

not to scale

[illegible]

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 18-May-99

CLIENT: PNM - Public Service Company of NM
Project: Culpepper Martin
Lab Order: 9905022

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: 18-May-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Culpepper Martin #8 A
Work Order:	9905022	Client Sample ID:	9905041030; 5pt Bottom Comp
Lab ID:	9905022-01A	Matrix:	SOIL
Project:	Culpepper Martin	Collection Date:	5/4/99 10:30:00 AM
		COC Record:	5797

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	5/14/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: DC
Benzene	ND	2		µg/Kg	2	5/11/99
Toluene	35	4		µg/Kg	2	5/11/99
Ethylbenzene	8.3	2		µg/Kg	2	5/11/99
m,p-Xylene	130	4		µg/Kg	2	5/11/99
o-Xylene	43	2		µg/Kg	2	5/11/99

216.3
-216.3 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

1 of 1

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- TECHNICAL SERVICES PROVIDED WITH THE ENVIRONMENT -

[illegible]

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 18-May-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Culpepper Martin #8 A
Work Order:	9905022	Client Sample ID:	9905041045; 4 Wall Comp
Lab ID:	9905022-02A	Matrix:	SOIL
Project:	Culpepper Martin	Collection Date:	5/4/99 10:45:00 AM
		COC Record:	5797

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	5/7/99

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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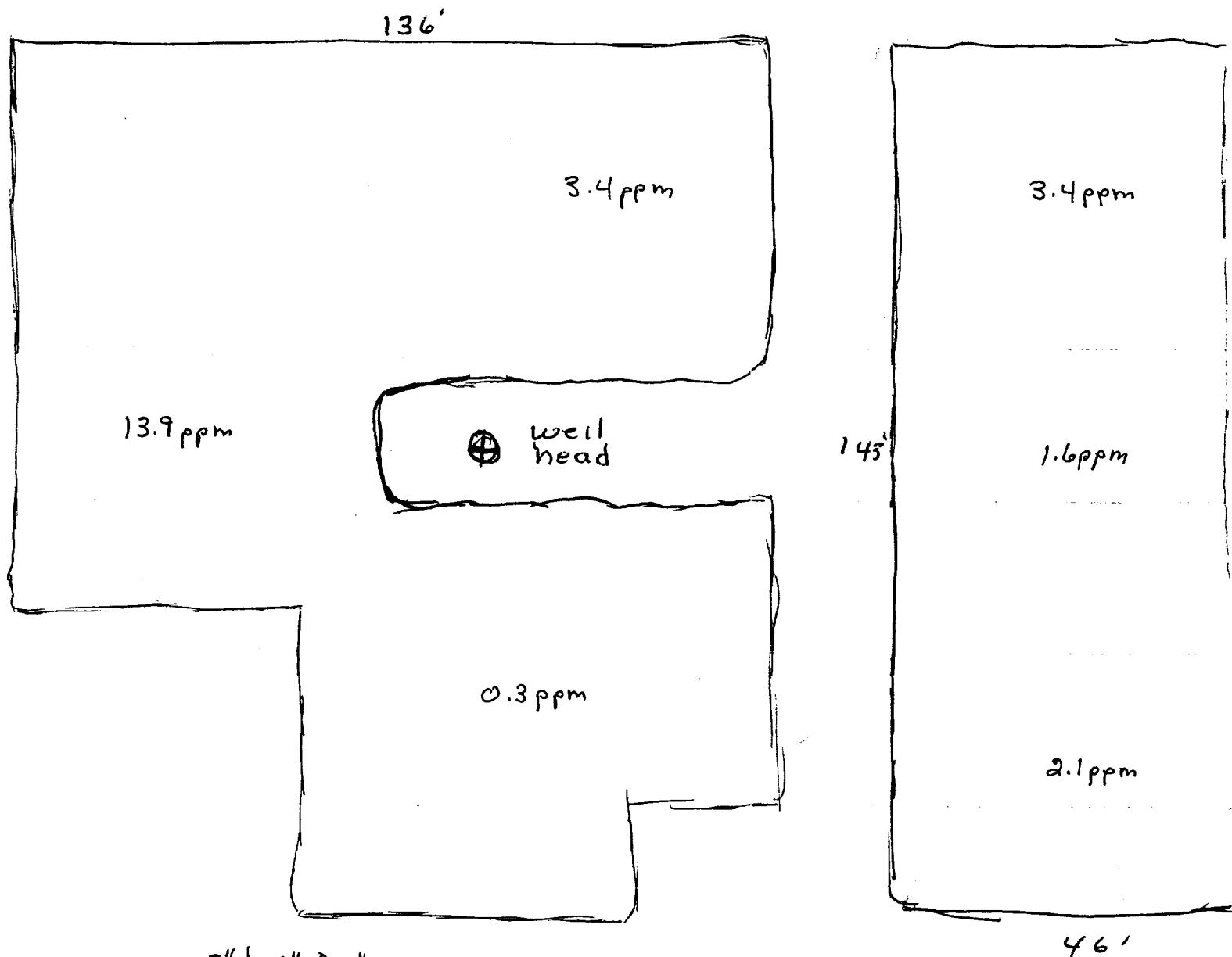
- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

1 of 1

CULPEPPER MARTIN #7A
Sec-19 T0-32N R0-12W
(Burlington)

Landfarm Drawing #1

App 917.59 cu. yds



2" to 12" Depth
Headspace 22.1 ppm
Sample # 9907130922

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 28-Jul-99

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation Landfarms

Lab Order: 9907033

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: 28-Jul-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Culpepper Martin 8A LF
Work Order:	9907033	Client Sample ID:	9907130922; 6pt. Comp
Lab ID:	9907033-01A	Matrix:	SOIL
Project:	PNM Pit Remediation Landfarms	Collection Date:	7/13/99 9:22:00 AM
		COC Record:	7733

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/26/99

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

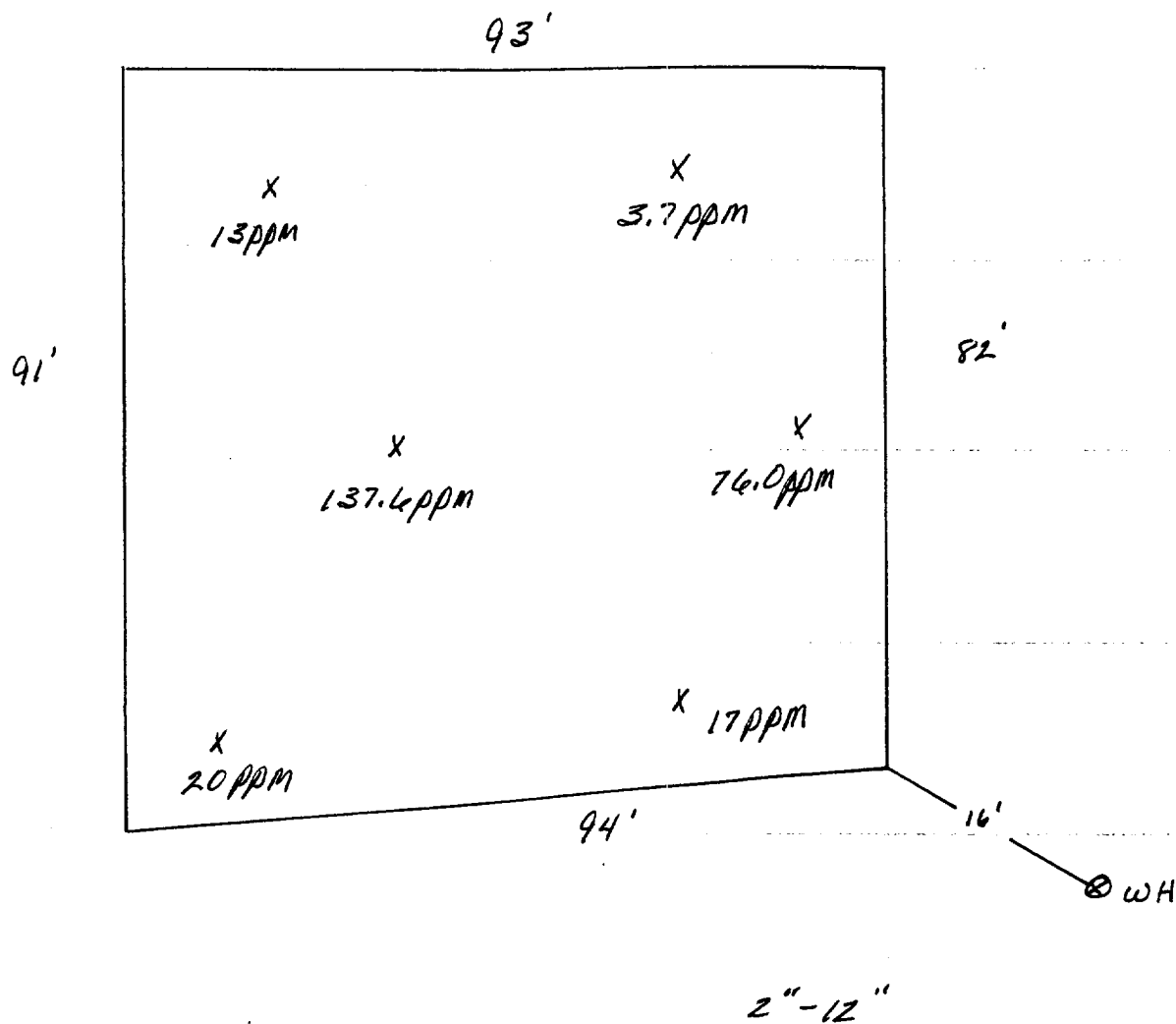
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Culpepper Martin #8A
Sec. - 19 T-32N R-12W
Burlington

11
N

Landfarm #2 Drawing
Approx. 200 cubic yds



Head Space - 75.3 ppm
Sample # - 4408121045

not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 17-Aug-99

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation Landfarms
Lab Order: 9908034

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: 17-Aug-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Culpepper Martin 8A LF #2
Work Order:	9908034	Client Sample ID:	9908121045; 6pt Comp
Lab ID:	9908034-04A	Matrix:	SOIL
Project:	PNM Pit Remediation Landfarms	Collection Date:	08/12/1999 10:45:00 AM
		COC Record:	7653

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	08/13/1999

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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