

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

District II
P. O. Drawer DD, Artesia, NM 88221

OIL CONSERVATION DIVISION

District III
1000 Rio Brazos Rd, Aztec, NM 87410

2040 South Pacheco Street
Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED
NOV - 1 1999
OIL CON. DIV.
11/1/99

Operator: PNM Gas Services (Burlington)		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: Culpepper Martin #10A			
Location:	Unit <u>D</u>	Sec <u>32</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>90</u> '		
	Direction from reference: <u>45</u> Degrees <input checked="" type="checkbox"/> East <input type="checkbox"/> North <input type="checkbox"/> South <input checked="" type="checkbox"/>		
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): <u>0</u>			

Culpepper Martin #10A

Date Remediation Started: 05/11/1999

Date Completed: 05/11/1999

Remediation Method: Excavation ☒

Approx. Cubic Yard 243

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 243

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 22' X 13' 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

13'

Sample date

05/11/1999

Sample time

10:45:00 AM

Sample Results

Benzene (ppm) < 0.5

Total BTEX (ppm) 28.3

Field headspace (ppm) _____

TPH (ppm)

360.00

Method

8015B

Vertical Extent (ft) _____

Risk Analysis form attached Yes _____

No ☒

Ground Water Sample:

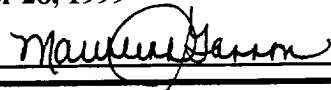
Yes ☐No ☒

(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



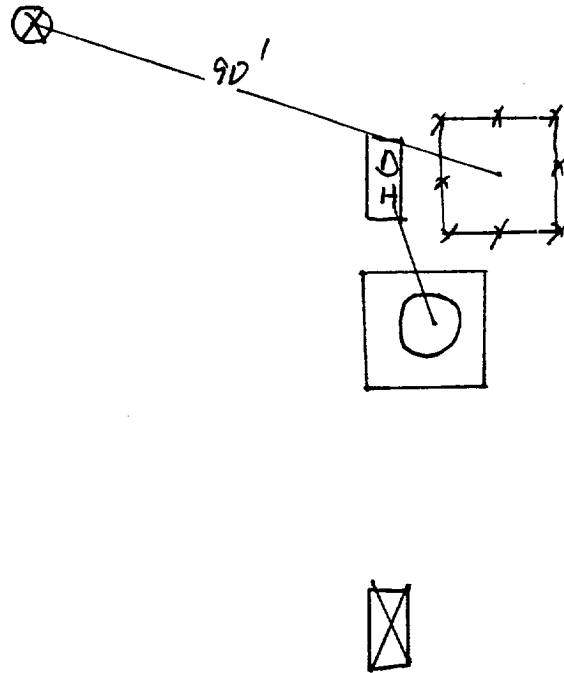
PRINTED NAME Maureen Gannon
AND TITLE Project Manager

Culpeper- Martin # 10 A
Burlington
Sec. 32, 32N, 12W, 0

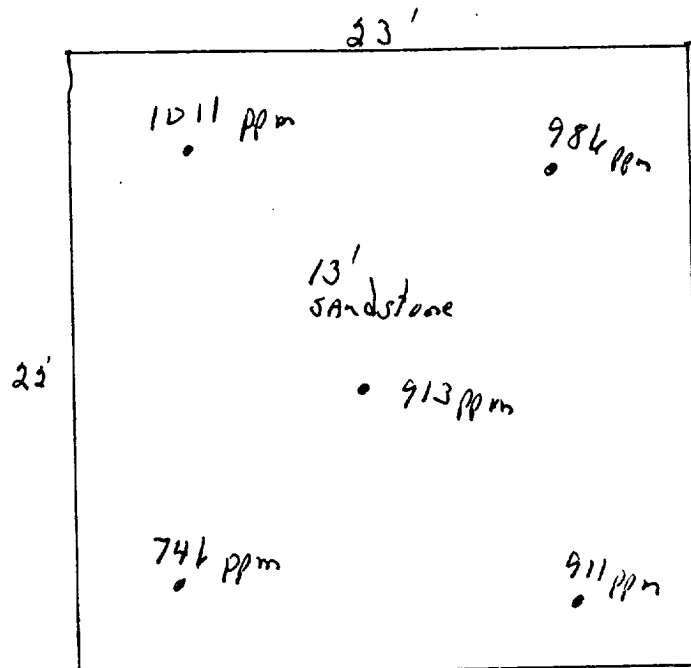
5/11/99

↑
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 #10A

Lab Order: 9905049

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.

**ANALYTICAL REPORT**

Date: 25-May-99

Client: PNM - Public Service Company of NM
Work Order: 9905049
Lab ID: 9905049-01A **Matrix:** SOIL
Project: Culpepper Martin #10A

Client Sample Info: Culpepper Martin #10A
Client Sample ID: 9905111045; Bottom @ 13ft.
Collection Date: 5/11/99 10:45:00 AM
COC Record: 7596

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	360	25		mg/Kg	1	5/20/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: DM
Benzene	ND	500		µg/Kg	500	5/18/99
Toluene	1500	1000		µg/Kg	500	5/18/99
Ethylbenzene	1700	500		µg/Kg	500	5/18/99
m,p-Xylene	21000	1000		µg/Kg	500	5/18/99
o-Xylene	4100	500		µg/Kg	500	5/18/99

28500
 28.3 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: 25-May-99

Client: PNM - Public Service Company of NM
Work Order: 9905049
Lab ID: 9905049-02A **Matrix:** SOIL
Project: Culpepper Martin #10A

Client Sample Info: Culpepper Martin #10A
Client Sample ID: 9905111050; Walls @ 10ft.
Collection Date: 5/11/99 10:50:00 AM
COC Record: 7596

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	100	25		mg/Kg	1	5/20/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: DM
Benzene	ND	1		µg/Kg	1	5/18/99
Toluene	ND	2		µg/Kg	1	5/18/99
Ethylbenzene	17	1		µg/Kg	1	5/18/99
m,p-Xylene	140	2		µg/Kg	1	5/18/99
o-Xylene	69	1		µg/Kg	1	5/18/99

226
 226 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

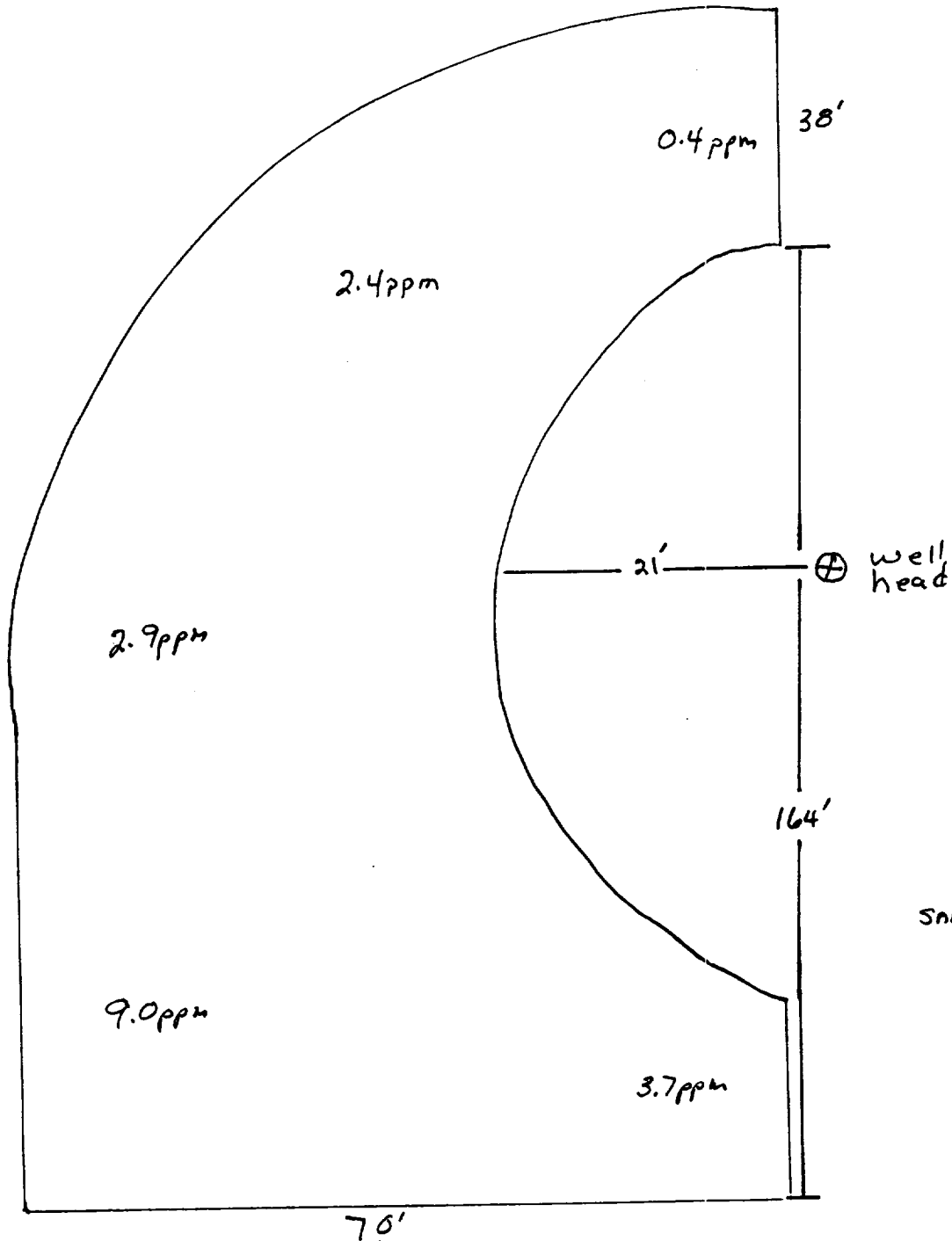
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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Culpepper Martin 10A
Sec-32 T-32 N R-12 W 46-0
Burlington

Landfarm DRAWING

App 243 cu yds



2" to 12" Depth
Headspace 10.7 ppm
Sample 9907131145

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 #10A LF
Work Order:	9907033	Client Sample ID:	9907131145; 5pt. Comp
Lab ID:	9907033-04A	Matrix:	SOIL
Project:	PNM Pit Remediation Landfarms	Collection Date:	7/13/99 11:45:00 AM
		COC Record:	7733

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	44	25		mg/Kg	1	7/27/99

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
- Sun: - Surrogate

1 of 1

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Environmental Remediation Services, Inc. (505) 325-5667 FAX (505) 325-5668