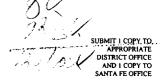
District I P.O. Box 4986 Hours May 2. Fourt
District DEPLITY CITY GAS INSPECTOR
P.O. Drawer DD, Artesia Na GAS INSPECTOR

District III 1000 Rio Brazos Rd Stap NM 8311999 State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Street Santa Fe, New Mexico 87505



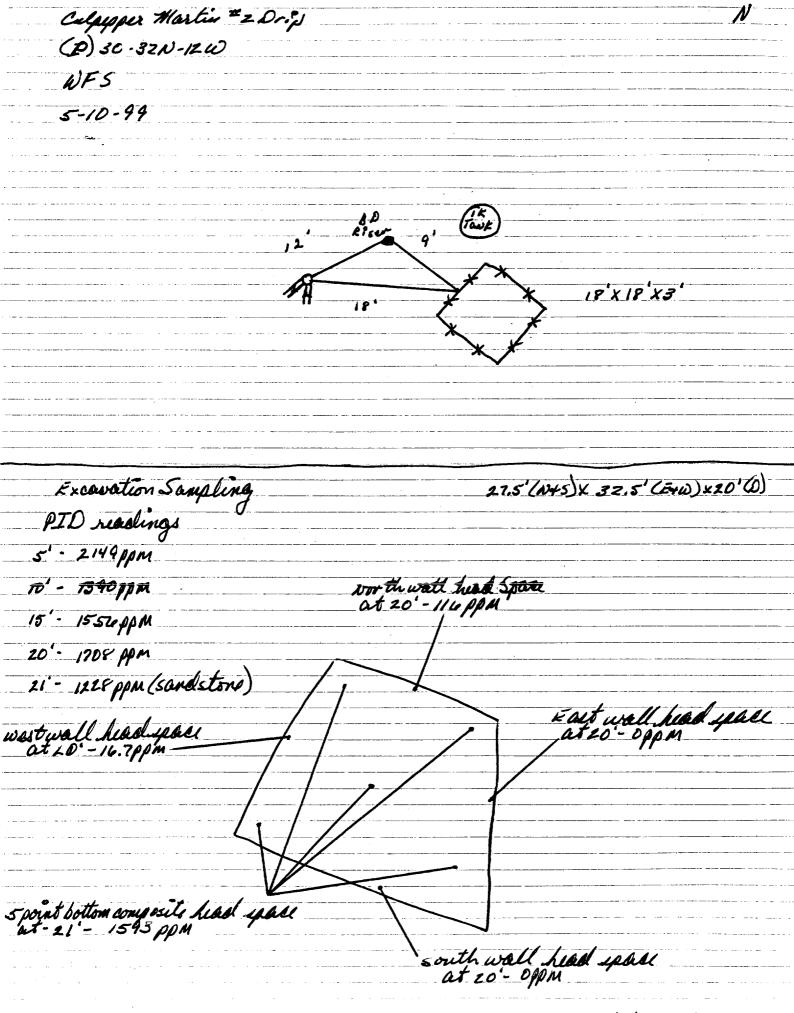
DECEIVED

OIL COM. DIV.

PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Gas Services (Williams) Telephone:	324-3764	······································	
Address:	603 W. Elm Street Farmington, NM	87401			
Facility or We	ell Name:Culpepper Martin #2 Drip				
Location:	Unit P Sec	30T32NI	R 12W County	San Juan	
Pit Type:	Separator Dehy	drator Other	Line drip		
Land Type:	BLM State	Fee 🔽 Other	-		
Pit Location:	Pit dimensions: length	18 ' width	18 ' depth	3 '	
(Attach diagran	n) Reference: wellhead	✓ other			
	Footage from reference:	119']
	Direction from reference:	Degrees 🔽	East North	<u> </u>	
			of West South		
Depth to Grou	ind Water:	Less than 50 feet 50 feet to 99 feet		(20 points) (10 points)	
(Vertical distance from or seasonal high water eleva water		Greater than 100 feet		(0 points)	0
Wellhead Prot	tection Area:				
(Less than 200 feet from a		Yes No		(20 points) (0 points)	0
domestic water source, or feet from all other water s					
Distance to Su	rface Water:	Less than 200 feet 200 feet to 1,000 feet		(20 points) (10 points)	
(Horizontal distance to pe ponds, rivers, streams, cre canals and ditches		Greater than 1,000 feet		(0 points)	
owned and diteits		RANKING SCORE	(TOTAL POINTS):		0

Culpepper Martin #2 Drip							
Date Remediation Started:			Date Completed: 05/11/	1999			
Remediation Method:	Excavation	X	Approx. Cubic Yard	662			
(Check all appropriate	Landfarmed X		Amount Landfarmed (cubic yds) 662				
sections)	Other		·				
Remediation Location:	Onsite	X - Culpepper Martin #2	Offsite				
(i.e., landfarmed onsite, name and location of offsite facility)							
Backfill Material Location:	·						
General Description of Rem	edial Action:						
Excavated contaminated soil 6" to 12". Soil was aerated by	to a pit size of 2	27.5' X 32.5' X 20' and land	dfarmed soil onsite within a bermed a	rea at a depth of			
*** Sandstone encountered a	it 21. See attach	ned risk analysis form and	iab analysis.				
Ground Water Encountered	l: 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 locations and depuis.)	Sample date	05/11/1999	Sample time10:1	0:00 AM			
	Sample Results	3					
	Benzer	ne (ppm) 8.60	00				
	Total E	BTEX (ppm)	90.000 ***				
	Field he	eadspace (ppm)					
	TPH (ppm)	170.00	Method 8015B				
Vertical Extent (ft)		Risk Ar	nalysis form attached Yes	No			
Ground Water Sample:	Yes	□ No ▼	(If yes, see attached Groundwa Summary Report)	ater Site			
I HEREBY CERTIFY THA' KNOWLEDGE AND MY E		MATION ABOVE IS TRU	E AND COMPLETE TO THE BEST	r of my			
DATE July 27, 1999 SIGNATURE MALL	run Yan	<u> </u>	PRINTED NAME Maureen Gan AND TITLE Project Mana				



NOT to scale

LAB: (505) 325-1556

On Site Technologies, LTD. Date: 20-May-99

CLIENT:

PNM - Public Service Company of NM

Project:

Culpepper Martin #2 Drip

Lab Order:

9905045

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.





LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 20-May-99

Client:

Lab ID:

Project:

PNM - Public Service Company of NM

Work Order:

9905045

9905045-01A Culpepper Martin #2 Drip

Matrix: SOIL

Client Sample Info: Culpepper Martin #2 Drip Client Sample ID: 9905111010; 5pt. Bottom Comp

Collection Date: 5/11/99 10:10:00 AM

COC Record: 7191

Parameter	Result	PQL Q	ual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	170	25	mg/Kg	1	5/19/99
AROMATIC VOLATILES BY GC/PID	SV	V8021B			Analyst: DM
Benzene	8600	1000	μ g /Kg	1000	5/12/99
Toluene	40000	2000	μg/Kg	1000	5/12/99
Ethylbenzene	3200	1000	μg/Kg	1000	5/12/99
m,p-Xylene	32000	2000	μg/Kg	1000	5/12/99
o-Xylene	6200	1000	µg/Kg	1000	5/12/99

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



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 20-May-99

Client:

Lab ID:

Project:

PNM - Public Service Company of NM

Work Order:

9905045

Matrix: SOIL

Client Sample Info: Culpepper Martin #2 Drip

Client Sample ID: 9905111015; 4 Wall Comp

Collection Date: 5/11/99 10:15:00 AM

9905045-02A Culpepper Martin #2 Drip

COC Record: 7191

Parameter	Result	PQL	Qual Units	DF	Date Analyzed	
DIESEL RANGE ORGANICS T/R Hydrocarbons: C10-C28	SV ND	V8015B 25	mg/Kg	· 1	Analyst: DC 5/19/99	

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

Culpepper Martin #2 Drip Sec-30 T-32H R-12W UCP WFS

Landfarm Dencing App 662 Cuyds

1.6ppm
15.3ppm
4.6ppm
3.2ppm
137'

Field Headspace: \$ 19.2 ppm



LAB: (505) 325-1556

On Site Technologies, LTD.

CLIENT:

PNM - Public Service Company of NM

Project:

Culpepper Martin Landfarms

Lab Order:

9906057

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.





LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 21-Jun-99

Client:

PNM - Public Service Company of NM

Work Order:

9906057

9906057-03A

Matrix: SOIL

Lab ID: Project:

Culpepper Martin Landfarms

Client Sample Info: Culpepper Martin #2 Drip LF

Client Sample ID: 9906151230; 5pt. Comp.

Collection Date: 6/15/99 12:30:00 PM

COC Record: 7720

Parameter	Result	PQL	Qual Units		DF	Date Analyzed
DIESEL RANGE ORGANICS	- -	V8015B	•			Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25	mg/K	g .	1	6/18/99

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



Well Name:

Well Legals:

Pit Type:

Horizontal Distance to Surface Water:

Groundwater Depth:

Culpepper Martin #2 Drip Unit P, Sec 30, T32N, R12W Line Drip Greater than 1,000 feet Greater than 100 feet

RISK ANALYSIS

PNM requests closure of their former pit on the Culpepper Martin #2 Drip well site using a limited risk analysis based on the following conditions:

- 1. Groundwater is estimated to be at a depth of 109 feet based upon the elevation of the site and the elevation of the nearest "listed" or "named" wash. (Reference: La Plata, NM series 7.5 minute topographic map.)
- 2. PNM excavated 662 cubic yards of soil from the former pit. Subsurface lateral contamination has been remediated (see attached map and analytical results for the side wall profiles). Source removal minimizes the possibility of surface water contamination.
- 3. Sandstone was encountered at 21 feet below ground surface. Bedrock/sandstone provides a barrier between remaining contamination and groundwater. Vertical migration through bedrock or sandstone to groundwater is unlikely.
- 4. PNM excavated and performed remediation to the maximum depth and horizontal extent practicable.

PNM believes their former pit on the Culpepper Martin #2 Drip well site poses minimal threat to groundwater, human health and the environment based upon our past experience in excavating over 1,000 pits.