District II
District II
District II

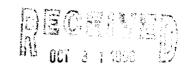
State of New Mexico Energy, Minerals and Natural Resources Department SUBMIT I COPY TO "APPROPRIATE DISTRICT OFFICE AND I COPY TO SANTA FE OFFICE

P O Drawer DD Artesia NM 88221

District III

OIL CONSERVATION DIVISION

2040 South Pacheco Street Santa Fe, New Mexico 87505

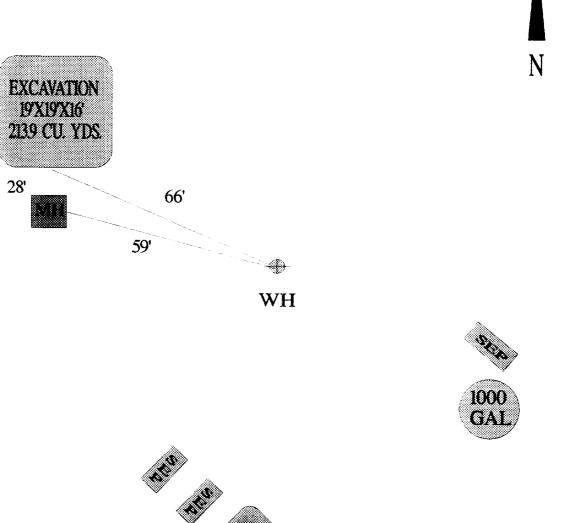


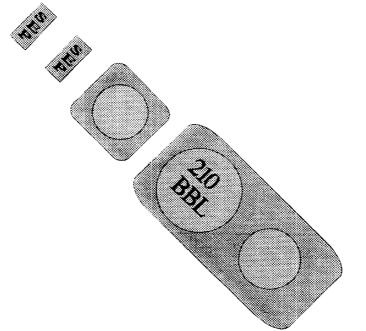
PIT REMEDIATION AND CLOSURE REPORT

	PIT REMEDIATION A	TO CLOSURE REI	OM	CAM DAY Diet. 5	i O
Operator: PN	NM Gas Services (SRC	Telephone:	324-3764		-
Address: 603 W.	Elm Street Farmington, NM 87401				
Facility or Well Name	: McClanahan #18				
Location: Unit:	A Sec. 13	T. <u>28 N</u> R.	10 W County	San Juan	
Pit Type: Sepa	rator Dehydrator	Other	No PNM ed	quipment	
Land Type: BLM	<u>✓.</u> State	Fee Other			
Pit Location:	Pit dimensions: length 1	8 ' width	18 depth	4 '	
(Attach diagram)	Reference: wellhead 🗸	other			_
	Footage from reference: 66'			· · · · · · · · · · · · · · · · · · ·	
	Direction from reference: 80	Degrees E	East North	<u>Ž</u>	
		<u>Z</u> /	of West South	·	
Depth to Ground Wa (Vertical distance from contaminants seasonal high water elevation of grouwater	10	Less than 50 feet 50 feet to 99 feet Greater than 100 feet		(20 points) (10 points) (0 points)	0
Wellhead Protection (Less than 200 feet from a private domestic water source, or less than feet from all other water sources)		Yes No		(20 points) (0 points)	20
Distance to Surface \(\begin{align*} \text{(Horizontal distance to perennial lak ponds, rivers, streams, creeks, irrigal)} \end{align*}	es.	Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet		(20 points) (10 points) (0 points)	0_
ponds, rivers, streams, creeks, tirigal canals and ditches		RANKING SCORE	(TOTAL POINTS	5):	20

Date Remediation Started:	8/20/96	Date Con	npleted:8/20/96
Remediation Method:	Excavation X	Approx. C	Cubic Yard 214
(Check all appropriate	Landfarmed X	Amount I	Landfarmed (cubic yds) 214
sections)	Other		
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite	Offsite	McClanahan #21 (13-28N-10W)
Backfill Material Location:			_
General Description of Ren	nedial Action:		
Excavated contaminated soil to aerated by plowing/disking until	pit size of 19'x19'x16' and soil met regulatory levels.	l landfarmed soil offsite within a berm	ned area at a depth of 6" to 12". Soil was
Ground Water Encountered	d: No	∀ Yes	Depth
Final Pit Closure Sampling:	Sample Location	5 pt composite-4 side walls and ce	enter of pit bottom
(if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample depth	16'	
sample locations and depuis.	Sample date	8/20/96 Sampl	le time 2:45:00 PM
	Sample Results		
	Benzene (pp	pm) < 0.0002	
	Total BTEX	(ppm) 0.0133	
	Field headspa	ace (ppm)	_
	TPH <	5.00 Method	8015A
Vertical Extent (ft)		Risk Assessment form atta	ached Yes No
Ground Water Sample:	Yes	No	(If yes, attach sample results)
I HEREBY CERTIFY THA KNOWLEDGE AND MY B	Γ THE INFORMATIO ELIEF	ON ABOVE IS TRUE AND COM	MPLETE TO THE BEST OF MY
DATE October 25. 1 SIGNATURE	996 Hannon	PRINTED NAME AND TITLE	Maureen Gannon Environmental Engineer

McCLANAHAN #18 EXCAVATION 08/20/96





OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Denver Bearden Attn:

Date:

21-Aug-96

Company: PNM Gas Services

COC No.:

4946

603 W. Elm Address:

Sample No.

11841

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Services - McClanahan #18

Project Location:

9608201445; Pit Excavation Composite Sample

Sampled by:

Date: Date:

20-Aug-96 Time:

21-Aug-96

14:45

Analyzed by: Sample Matrix: DC Soil

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Diesel Range Organics (C10 - C28)	<5.0	mg/kg	5.0	mg/kg

Quality Assurance Report

DRO QC No.:

0489-QC

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	<5.0	ppm	100	107	7.2	15%

Matrix Snike

matrix opine	1- Percent	2 - Percent			
Parameter	Recovered	Recovered	Limit	%RSD	Limit
Diesel Range (C10-C28)	88	101	(70-130)	10	20%

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by:) (/
Date: 8/21/96

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:

Denver Bearden

Date: 21-Aug-96

Company: PNM Gas Services

COC No.:

4946

Address:

603 W. Elm

Sample No.:

11841

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - McClanahan #18

Project Location:

9608201445; Pit Excavation Composite Sample

Sampled by:

RH

Date: Date:

20-Aug-96 Time: 21-Aug-96

14:45

Analyzed by: Sample Matrix: DC Soil

Laboratory Analysis

Parameter		Result	Unit of Measure	Detection Limit	Unit of Measure
Benzene		<0.2	ug/ k g	0.2	ug/kg
Toluene		3.3	ug/kg	0.2	ug/ kg
Ethylbenzene		0.7	ug/kg	0.2	ug/ k g
m,p-Xylene		7.4	ug/kg	0.2	ug/ k g
o-Xylene		2.0	ug/kg	0.2	ug/kg
	TOTAL	13.3	ug/kg		

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by:

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Medianhon #18 Meridian Oil Sec. 13, 28N, IDW

9-12-96

Land Farm: On location composite sample # 9609121315 lept. soil vapor head space PIO reading = 12.2 ppm

Ø

2.3 .90 2.3 .90

2"-12" depth sand OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn:

Denver Bearden

Date:

16-Sep-96

Company: PNM Gas Services

COC No.:

5036

Address:

603 W. Elm

Sample No.

12139

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Services - McClanahan #18 Landfarm

Project Location:

9609121315; 6pt. Composite, 2"-12" depth

Date:

12-Sep-96 Time:

13:15

Sampled by: Analyzed by:

HR

Date:

14-Sep-96

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Diesel Range Organics (C10 - C28)	17.1	mg/kg	5.0	mg/kg

Quality Assurance Report

DRO QC No.:

0489-QC

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	< 5.0	ppm	100	104	3.8	15%

Matrix Spike

Parameter	1- Percent 2 - Percent Recovered Recovered		Limit	%RSD	Limit
Diesel Range (C10-C28)	82	96	(70-130)	11	20%

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by:

P.O. BOX 2606 • FARMINGTON, NM 87499

- Technology Blending Industry with the Environment -