

State of New Mexico
Energy, Minerals and Natural Resources Department

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

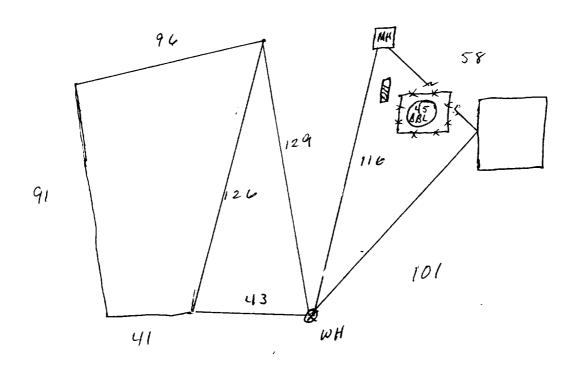
OIL CONSERVATION DIVISION

2040 South Pacheco Street Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

	~ · · · · ·				
Operator:	PNM Gas Services (Southwest Produc	tion) T	elephone: 3	324-3764	
Address: 60	3 W. Elm Street Farmington, NM 8740	1			
Facility or Well	Name: Zachry Federal #1				
Location:	Unit: L Sec. 3	4 T. 30N R	. <u>10 W</u> C	ounty San Juan	
Pit Type:	Separator Dehydrator	<u>✓</u> Other	·		
Land Type:	BLM Y State	Fee Other			
Pit Location:	Pit dimensions: length	5 ' width	15 ' d	lepth 4	
(Attach diagram)	Reference: wellhead 👱	other			
	Footage from reference: 101				_
	Direction from reference: 40	Degrees <u> </u>	East N	North <u>v</u>	
			of West S	South	
Depth to Ground (Vertical distance from contain seasonal high water elevation	minants to	Less than 50 feet 50 feet to 99 feet Greater than 100 feet		(20 points) (10 points) (0 points)	0
water	DECEN				
Wellhead Protec	tion Area: JAN 2 4 1397	Yes No		(20 points) (0 points)	0
(Less than 200 feet from a pr. domestic water source, or, les feet from all other water sour	s than 1,000 (0) (CA) [V]	N.E. P.C. A.A.		(v points)	
Distance to Surfa	ace Water:	Less than 200 feet 200 feet to 1,000 feet		(20 points) (10 points)	
(Horizontal distance to peren ponds, rivers, streams, creeks canals and ditches		Greater than 1,000 feet		(0 points)	0
Canais and ditties		RANKING SCORE	(TOTAL POI	NTS):	0

Date Remediation Started:	8/27/96	Date Completed:	8/28/96
Remediation Method:	Excavation	X Approx. Cubic Yard	169
(Check all appropriate	Landfarmed	X Amount Landfarmed (cu	bic yds)
sections)	Other		
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite	X Offsite	
Backfill Material Location:			
General Description of Ren	redial Action:		
Excavated contaminated to pit s plowing/disking until soil met reg	ize 31'x21'x7' and la	ndfarmed soil onsite within a bermed area at a depth of 6" t	o 12". Soil was aerated by
Ground Water Encountered	d: No	Yes Dep	th
Final Pit Closure Sampling:	Sample Location	5 pt composite-4 side walls and center of pit bottom	
(if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample depth	7'	
sample focultons and depuis.)	Sample date	8/28/96 Sample time	9:45:00 AM
	Sample Results	_	
	Benzen	(ppm) 0.0043	
	Total B	TEX (ppm)5.5851	
	Field hea	dspace (ppm)	
	ТРН	10.2 Method 8015A	
Vertical Extent (ft)		Risk Assessment form attached Yes	No <u>✓</u>
Ground Water Sample:	Yes	No (If yes, attac	th sample results)
I HEREBY CERTIFY THA' KNOWLEDGE AND MY E	T THE INFORM BELIEF	ATION ABOVE IS TRUE AND COMPLETE TO TI	HE BEST OF MY
DATE January 22, 1 SIGNATURE	997 un Dea	PRINTED NAME Denver Bearder AND TITLE Administrator II	



OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn:

Denver Bearden

Date:

3-Sep-96

Company: PNM Gas Services

COC No.:

4955

Address:

603 W. Elm

Sample No.

11943

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Sevices - Zachry Federal #1

Project Location:

9608280945; Pit Excavation Composite Sample

Sampled by:

RH

Date: Date: 28-Aug-96 Time: 3-Sep-96

9:45

Analyzed by: Sample Matrix: DC Soil

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Diesel Range Organics (C10 - C28)	10.2	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	106	5.9	15%

Matrix Spike

тови орин					
	1- Percent	2 - Percent			
Parameter	Recovered	Recovered	Limit	%RSD	Limit
Diesel Range (C10-C28)	104	96	(70-130)	5	20%

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

Approved by: Date:

P.O. BOX 2606 • FARMINGTON, NM 87499

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OFF: (505) 325-5667



LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:

Denver Bearden

Date:

30-Aug-96

Company: PNM Gas Services

COC No.:

4955

Address:

603 W. Elm

Sample No.:

11943

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Sevices - Zachry Federal #1

Project Location:

9608280945; Pit Excavation Composite Sample

Date: 28-Aug-96 Time:

9:45

Sampled by: Analyzed by:

RH DC

Date:

29-Aug-96

Sample Matrix:

Soil

Laboratory Analysis

Parameter		Result	Unit of Measure	Detection Limit	Unit of Measure
Benzene		4.3	ug/kg	0.2	ug/ kg
Toluene		439.6	ug/ kg	0.2	ug/kg
Ethylbenzene		330.5	ug/kg	0.2	ug/ kg
m,p-Xylene		4085.6	ug/ kg	0.2	ug/kg
o-Xylene		725.0	ug/ kg	0.2	ug/ k g
	TOTAL	5585.1	ug/ kg		

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

Approved by: De (
Date: 8/30/96

LANdFormed: On location Composile sample # 9610011030 Soil vapor PID reading = 15.6 pm

.30 ¢

2"-12" dapth

OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn:

Denver Bearden

Date:

4-Oct-96

Company: PNM Gas Services

COC No.:

5049

Address:

603 W. Elm

Sample No.

12410

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Services - Zachry Federal #1 Landfarm

Project Location:

9610011030; 6pt. Composite, 2"-12" depth

Date:

1-Oct-96 Time:

10:30

Sampled by: Analyzed by: GC DC/BV

Date:

4-Oct-96

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Diesel Range Organics (C10 - C28)	34.7	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	110	10.3	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered			Limit
Diesel Range (C10-C28)	112	103	(70-130)	6	20%_

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

Approved by: Date: 10/4/94

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