District I

State of New Mexico
Energy, Minerals and Natural Resources Department

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

District 11 P.O. Drawer DD. Artesia. NM 88221

District III 57 1000 Rio Brazos Rd, Aztec, NM 87410

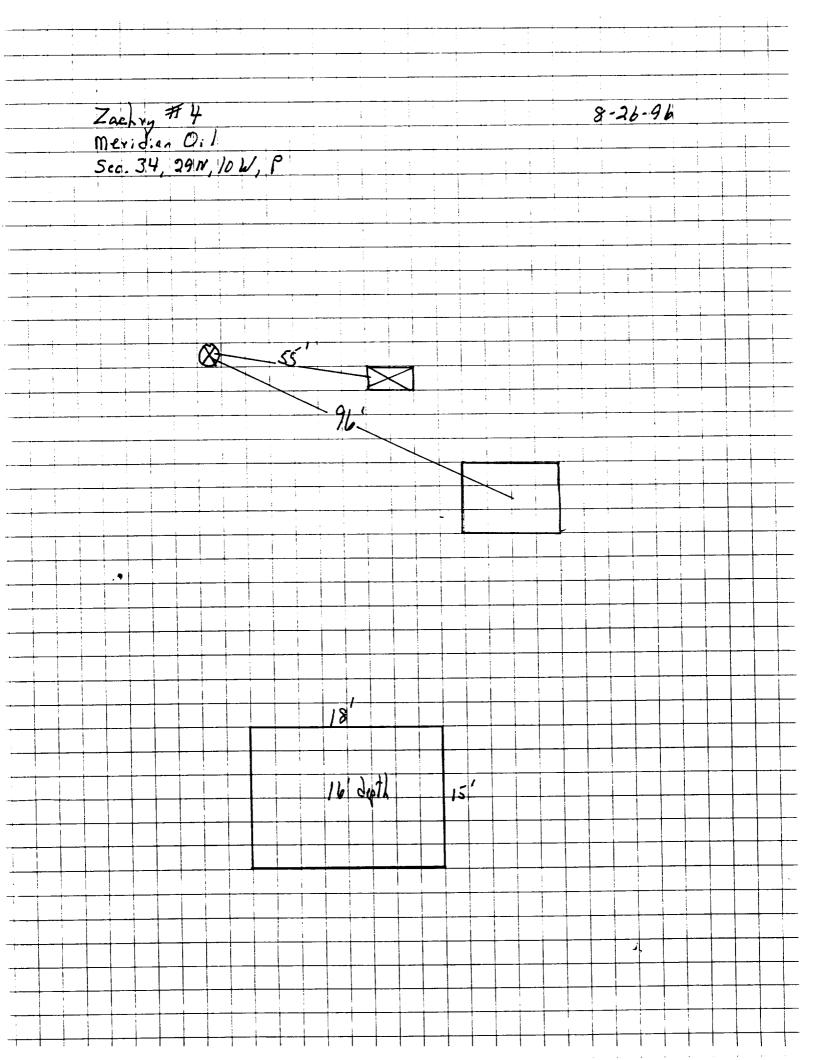
OIL CONSERVATION DIVISION

2040 South Pacheco Street Santa Fe, New Mexico 87505

Approved PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Gas Services (Meridian) Telephone:	324-3764		
Address:	603 W. Elm Street Farmington, NM 874	01			
Facility or W	'ell Name: Zachry #4				_
Location:	Unit: P Sec.	34 T. 29 N R.	10 W County	San Juan	_
Pit Type:	Separator Dehydrate	or <u>v</u> Other			_
Land Type:	BLM State	Fee Other			
Pit Location:	Pit dimensions: length	20 ' width	20 depth	3	
(Attach diagra	nm) Reference: wellhead	other			
	Footage from reference: 96'				_
	Direction from reference: 45	Degrees <u>✓</u>	East North		
		<u> </u>	of West South	<u>Ÿ</u>	
Depth to Gro	a contaminants to	Less than 50 feet 50 feet to 99 feet Greater than 100 feet		(20 points) (10 points) (0 points)	20
water	PECEIN	Marina 1			
	otection Area: JAN 2 4 1997	Yes No		(20 points) (0 points)	0
(Less than 200 feet fro domestic water source, feet from all other wat	or, less than 1,000 어디도 영화되는	91W.			
	Surface Water:	Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet		(20 points) (10 points) (0 points)	10
(Horizontal distance to ponds, rivers, streams, canals and ditches		RANKING SCORE	(TOTAL POINTS)	:	30

Date Remediation Started:	8/26/96	Date Completed: 8/27/96
Remediation Method:	Excavation x	Approx. Cubic Yard 160
(Check all appropriate	Landfarmed x	Amount Landfarmed (cubic yds) 160
sections)	Other	
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite	Offsite Zachry #34 (34-29N-10W)
Backfill Material Location		
General Description of Ren	nedial Action:	
Excavated contaminated soil to aerated by plowing/disking until	pit size of 18'x15'x16' and landfarmed soil of	fsite within a bermed area at a depth of 6" to 12". Soil was
	oomistrogulatory rovoid.	
Ground Water Encountere	d: No <u>V</u> Y	es Depth
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 depth 16' @ bottom	
sample locations and depths.)	Sample date 8/26/96	Sample time 12:00:00 PM
	Sample Results	
	Benzene (ppm) <	0.0002
	Total BTEX (ppm)	0.1252
	Field headspace (ppm)	
	TPH < 5.0	Method 8015A
Vertical Extent (ft)	Risk Asse	essment form attached Yes No
Ground Water Sample:	Yes No	(If yes, attach sample results)
I HEREBY CERTIFY THA KNOWLEDGE AND MY	AT THE INFORMATION ABOVE IS T BELIEF	RUE AND COMPLETE TO THE BEST OF MY
DATE January 22, SIGNATURE	1/ 0 FM	NTED NAME Denver Bearden O TITLE Administrator III



OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn:

Denver Bearden

Company: PNM Gas Services

Address: 603

603 W. Elm

City, State: Farmington, NM 87401

Date:

28-Aug-96

COC No.:

4977

Sample No.

11893

Job No.

2-1000

Project Name:

PNM Gas Sevices - Zachery #4

Project Location:

9608261200; 5pt. Composite, 4 Walls @ 14' and Bottom @ 16'

Date:

26-Aug-96 Time:

12:00

Sampled by: Analyzed by:

GC DC/BV

Date:

27-Aug-96

Sample Matrix:

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	104	3.8	15%

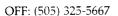
Matrix Spike

	1- Percent	2 - Percent			
Parameter	Recovered	Recovered	Limit	%RSD	Limit
Diesel Range (C10-C28)	108	103	(70-130)	4	20%

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

Approved by: Date: She ha

P.O. BOX 2606 • FARMINGTON, NM 87499





LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:

Denver Bearden

Date:

28-Aug-96

Company: PNM Gas Services

COC No.:

4977

Address:

603 W. Elm

Sample No.:

11893

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Sevices - Zachery #4

Project Location:

9608261200; 5pt. Composite, 4 Walls @ 14' and Bottom @ 16'

Date:

26-Aug-96 Time:

12:00

Sampled by: Analyzed by:

DC

Date:

27-Aug-96

Sample Matrix:

Soil

Laboratory Analysis

Parameter		Resuit	Unit of Measure	Detection Limit	Unit of Measure	
Benzene		< 0.2	ug/kg	0.2	ug/kg	
Toluene		8.7	ug/ kg	0.2	ug/kg	
Ethylbenzene		14.2	ug/kg	0.2	ug/kg	
m,p-Xylene		94.9	ug/kg	0.2	ug/kg	
o-Xylene		7.4	ug/kg	0.2	ug/kg	
	TOTAL	125.2	u g/kg			

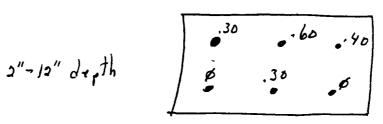
Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by:)c (
Date: 8/28/96

Zachery #4 Meridian Oil Sec. 34, 29N, 10W

10-12-96

Landfarm: Zachery #34 Meridian Oil Sec. 34, 29N, 10W Composite sample # 9610221015 6pt. comp Soil vapor head space PID reading = 3.9 ppm



OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn:

Denver Bearden

Date:

23-Oct-96

Company: PNM Gas Services

COC No.:

5065

Address:

603 W. Elm

Sample No.

12661

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Services - Zachery #4 Landfarm: Zachery #34

Project Location:

9610221015; 6pt. Composite, 2"-12" depth

Date:

22-Oct-96 Time:

10:15

Sampled by: Analyzed by: GC DC/HR

Date:

23-Oct-96

Sample Matrix:

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

Causi addir Cricck								
	Method	Unit of	True	Analyzed				
Parameter	Blank	Measure	Value	Value	% Diff	Limit		
Diesel Range (C10 - C28)	< 5.0	ppm	100	96	3.6	15%		

Matrix Spike

maura Spike	<u>, </u>					
	1- Percent	2 - Percent				
Parameter	Recovered Recovered		Limit	%RSD	Limit	
					ł	
Diesel Range (C10-C28)	95	97	(70-130)	1	20%	

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

Approved by: On the Date: 10/23/96