District I DEPUTY OIL & GAS INSPECTOR P.O. Box 1980, Hobbs, NMIL & GAS INSPECTOR

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 II P O. Drawer DD Artesia 111 122 8 1997

District III 1000 Rio Brazos Rd, Aztec, NM 87410

OIL CONSERVATION DIVISION

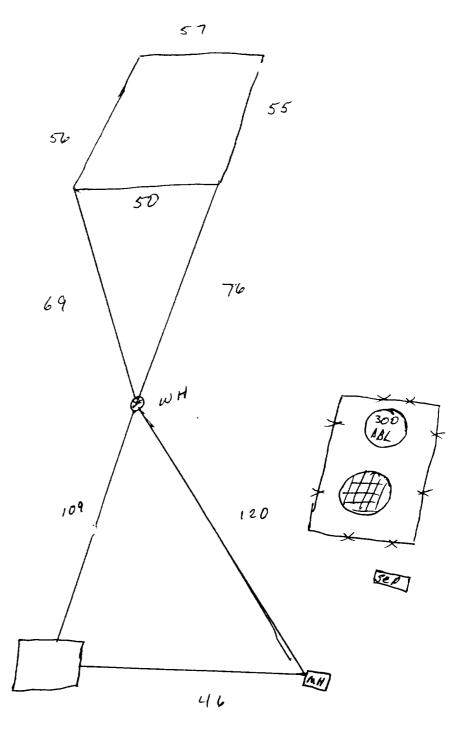
2040 South Pacheco Street Santa Fe, New Mexico 87505

Apprevent

PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Gas Services (Meridian) T	Telephone: 324-37	64
Address:	603 W. Elm Street Farmington, NM 874	01		
Facility or We	Il Name: Zachry #16			
Location:	Unit: H Sec.	33 T. 29 N R	10 W County	San Juan
Pit Type:	Separator Dehydrato	or Other	No PNM Equip	ment on site
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: 109'		•	
	Direction from reference: 10	Degrees	East North	
		<u> </u>	of West South	<u> </u>
Depth to Grou	ontaminants to	Less than 50 feet 50 feet to 99 feet Greater than 100 feet		(20 points) (10 points) (0 points) 0
Wellhead Prot	cection Area: DEGESTE	Yes		(20 points)
(Less than 200 feet from domestic water source, or feet from all other water	r, less than 1,000	No No		(0 points) 0
Distance to Su	erennial lakes,	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, cr canals and ditches	еска, игиданов	RANKING SCORE	(TOTAL POINTS):	0

Date Remediation Started:	8/27/96		Date Completed: 8/28/	/96
Remediation Method:	Excavation	Х	Approx. Cubic Yard	44
(Check all appropriate	Landfarmed	Х	Amount Landfarmed (cubic yds) _44
sections)	Other			·
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite	X	Offsite	
Backfill Material Location:	-			
General Description of Ren	nedial Action:			
Removed contaminated soil to p by plowing/disking until soil met	oit size of 14'x17'x5' regulatory levels.	and landfarmed soil onsite	within a bermed area at a depth of 6" to	12". Soil was aerated
-				
Ground Water Encountered	d: No	<u>✓</u> Yes	Depth	
Final Pit Closure Sampling:	Sample Location	on 5 pt composite-4 s	ide walls and center of pit bottom	
(if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample depth	5'		
sample locations and depuis.)	Sample date	8/27/96	Sample time 1	:45:00 PM
	Sample Results			
	Benzen	ne (ppm)	0.0211	
	Total B	STEX (ppm)	2.8094	
	Field he	eadspace (ppm)		
	ТРН	< 5.0	Method 8015A	
Vertical Extent (ft)		Risk Assess	ment form attached Yes	No 🛂
Ground Water Sample:	Yes	No 🗸	(If yes, attach samp	ole results)
I HEREBY CERTIFY THA KNOWLEDGE AND MY F		ATION ABOVE IS TRI	JE AND COMPLETE TO THE BE	ST OF MY
DATE January 22, 1	1997 V Dead	PRINT AND	TED NAME Denver Bearden Output Denver Bearden Administrator III	



OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn:

Denver Bearden

Date:

29-Aug-96

Company: PNM Gas Services

COC No.:

4953

Address:

Sample No.

11908

City, State: Farmington, NM 87401

603 W. Elm

Job No.

2-1000

Project Name:

PNM Gas Sevices - Zachry #16

Project Location:

9608271345; Pit Excavation Composite Sample

Sampled by:

RH

Date:

27-Aug-96 Time:

13:45

Analyzed by:

DC/HR

29-Aug-96 Date:

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	108	7.9	15%

Matrix Snike

madix opine	<u>,</u>				·
	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:

OFF: (505) 325-3667



LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn: Denver Bearden

Date: 29-A

29-Aug-96

Company: PNM Gas Services

COC No.:

4953

Address: 603 W. Elm

Sample No.:

11908

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Sevices - Zachry #16

Project Location:

9608271345; Pit Excavation Composite Sample

Date:

27-Aug-96 Time:

13:45

Sampled by: Analyzed by:

DC

Date:

27-Aug-96

Sample Matrix:

Soil

Laboratory Analysis

Parameter		Result	Unit of Measure	Detection Limit	Unit of Measure
Benzene		21.1	ug/kg	0.2	ug/kg
Toluene		123.7	ug/kg	0.2	ug/kg
Ethylbenzene		120.5	ug/kg	0.2	ug/kg
m,p-Xylene		2063.9	ug/kg	0.2	ug/kg
o-Xylene		480.3	ug/kg	0.2	ug/kg
	TOTAL	2809.4	ug/kg		

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

Approved by: Date: 8/29/56

Zachery #16 Meridian Oil Sec. 33, 29N, 10 W

10-22-96

LAndFarm: on location Composite sample # 9610221050 6 pt. Soil vagor head space PIO reading: 1-8 pm

\$ \$ \$ 2"-12" depth

OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn: Denver Bearden

Date:

23-Oct-96

Company: PNM Gas Services

COC No.:

5063

Address: 603 W. Elm

Sample No.

12659

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Services - Zachery #16 Landfarm

Project Location:

9610221050; 6pt. Composite, 2"-12" depth GC Date: 22-Oct-

22-Oct-96 Time:

10:50

Sampled by:

GC DC/HR

Date:

23-Oct-96

Analyzed by: 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

Calibration	70CA					
	Method Unit of	True	Analyzed			
Parameter	Blank	Measure	Value	Value	% Diff	Limit
			ļ			
Diesel Range (C10 - C28)	<5.0	ppm	100	96	3.6	15%

Matrix Spike

1- Percent	2 - Percent			
Recovered	Recovered	Limit	%RSD	Limit
95	97	(70-130)	1	20%
	Recovered	Recovered Recovered	Recovered Limit	Recovered Limit %RSD

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

Approved by:
Date: (0/23/96

P.O. BOX 2606 • FARMINGTON, NM 87499