District III
1000 Rio Brazos Rd. LEE RM 27801997

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

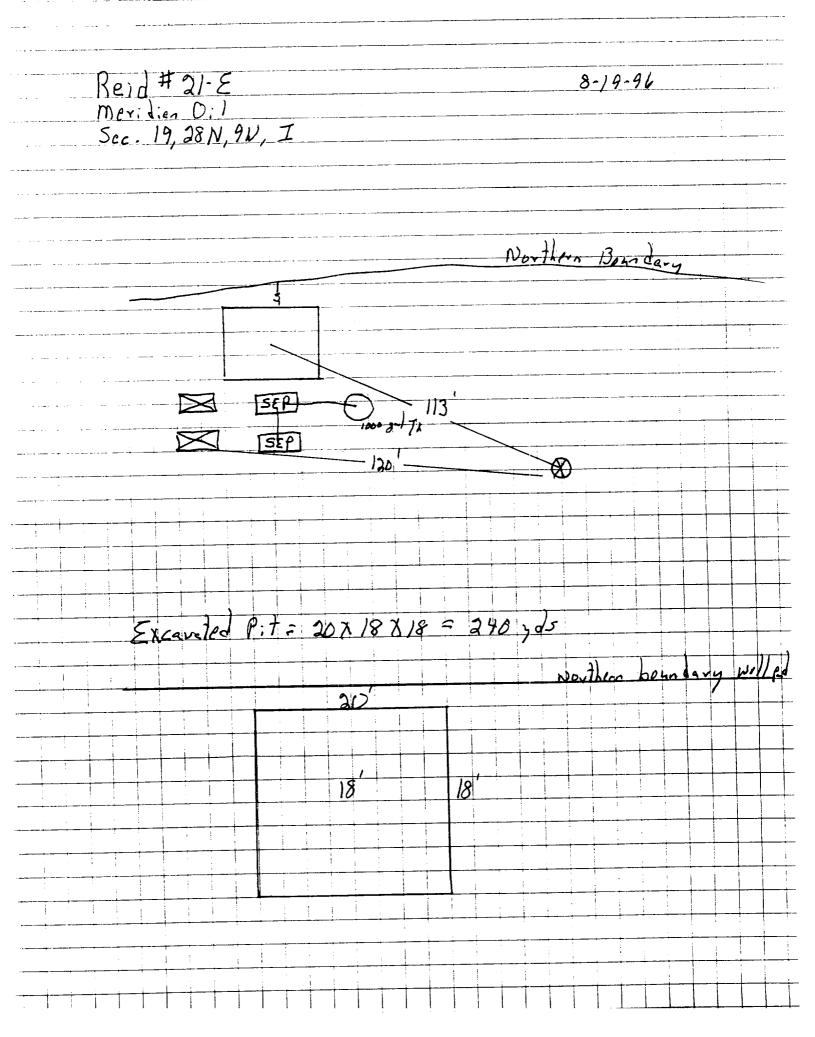
OIL CONSERVATION DIVISION

2040 South Pacheco Street Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

324-3764 Telephone: PNM Gas Services (Meridian Operator: 603 W. Elm Street Farmington, NM 87401 Address: Facility or Well Name: Reid #21E Location: 28 N 9 W County Unit: Dehydrator Other Pit Type: Separator 🗸 Land Type: BLM State Other Fee Pit Location: Pit dimensions: length width depth 20 3 20 (Attach diagram) Reference: wellhead other Footage from reference: 113 Direction from reference: Degrees East North 60 of West South Less than 50 feet (20 points) Depth to Ground Water: (10 points) 50 feet to 99 feet (0 points) Greater than 100 feet 10 (Vertical distance from contaminants to seasonal high water elevation of ground Wellhead Protection Area: (20 points) Yes (0 points) 0 No (Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources) (20 points) Less than 200 feet Distance to Surface Water: 200 feet to 1,000 feet (10 points) 0 (0 points) Greater than 1,000 feet (Horizontal distance to perennial lakes. ponds, rivers, streams, creeks, irrigation canais and ditches (TOTAL POINTS): RANKING SCORE 10

Date Remediation Started:	8/19/96	Date Completed: 8/19/96
Remediation Method:	Excavation	X Approx. Cubic Yard 240
(Check all appropriate	Landfarmed	X Amount Landfarmed (cubic yds) 180
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:	
Excavated contaminated soil to aerated by plowing/disking until	pit size of 20'x18'x	18' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was
Ground Water Encountere	ed: No	Yes Depth
Final Pit Closure Sampling:	Sample Location	on 5 pt composite-4 side walls and center of pit bottom
(if multiple samples, attach sample result and diagram of	Sample depth	18'
sample locations and depths.)	Sample date	8/19/96 Sample time 11:15:00 AM
	Sample Results	s
	Benzei	ne (ppm)0.0166
	Total I	BTEX (ppm) 7.5269
	Field h	eadspace (ppm)
	TPH	131.70 Method 8015A
Vertical Extent (ft)		Risk Assessment form attached Yes No
Ground Water Sample:	Yes	No (If yes, attach sample results)
I HEREBY CERTIFY THA KNOWLEDGE AND MY		MATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY
DATE October 25, SIGNATURE	1996 Dannon	PRINTED NAME Maureen Gannon AND TITLE Environmental Engineer





LAB: (505) 325-1556

Diesel Range Organics

Attn:

Denver Bearden

Company: PNM Gas Services

Address:

603 W. Elm

City, State: Farmington, NM 87401

Date:

21-Aug-96

COC No .:

4973

Sample No.

11824

Job No.

2-1000

Project Name:

PNM Gas Services - Reid #21-E

Project Location:

9608191115; 5pt. Composite, 4 Walls @ 16' and Bottom @ 18'

Date:

19-Aug-96 Time:

11:15

Sampled by: Analyzed by:

GC DC

Date:

21-Aug-96

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Diesel Range Organics (C10 - C28)	131.7	mg/kg	5.0	mg/kg

Quality Assurance Report

DRO QC No.:

0489-QC

Calibration Check

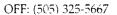
Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	<5.0	ppm	100	107	7.2	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent 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





LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:

Denver Bearden

Date:

21-Aug-96

Company: PNM Gas Services

COC No.:

4973

Address:

11824

603 W. Elm

Sample No.

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Services - Reid #21-E

Project Location:

9608191115; 5pt. Composite, 4 Walls @ 16' and Bottom @ 18' Date:

19-Aug-96 Time:

11:15

Sampled by: Analyzed by: GC DC

Date:

21-Aug-96

Sample Matrix:

Soil

Laboratory Analysis

Parameter		Result	Unit of Measure	Detection Limit	Unit of Measure
Benzene		16.6	ug/kg	0.2	ug/ kg
Toluene		143.3	ug/kg	0.2	ug/kg
Ethylbenzene		1976.4	ug/kg	0.2	ug/kg
m,p-Xylene		4539.7	ug/kg	0.2	ug/kg
o-Xylene		850.9	ug/kg	0.2	ug/kg
	TOTAL	7526.9	ug/kg		

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

Approved by:

Reid# 21- E Mer: dien Dil sec. 19, 28N, 92

9-12-96

Landfarm: On location

composite sample # 9609121255

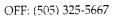
soil vapor PID reading = 13.6 ppm

4gt

Ø

2.2	3.6	5.7
×	7.7	8.1

2"-12" dpts





LAB: (505) 325-1556

Diesel Range Organics

Attn:

Denver Bearden

Date:

16-Sep-96

Company: PNM Gas Services

COC No.:

5035

12138

Address:

603 W. Elm

Sample No. Job No.

2-1000

City, State: Farmington, NM 87401

PNM Gas Services - Reid #21-E Landfarm

Project Name: **Project Location:**

9609121255; 6pt. Composite, 2"-12" depth

Date:

12-Sep-96 Time:

12:55

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)	115.9	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

moun opin					
	1- Percent	2 - Percent	İ		
Parameter	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: Date: