District I P.O. Box 1980. Hobbs, NM

P O. Drawer DD, Artesia, NM 88221

District II

District III 1000 Rio Brazos Rd, Aztec, NM 87410

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

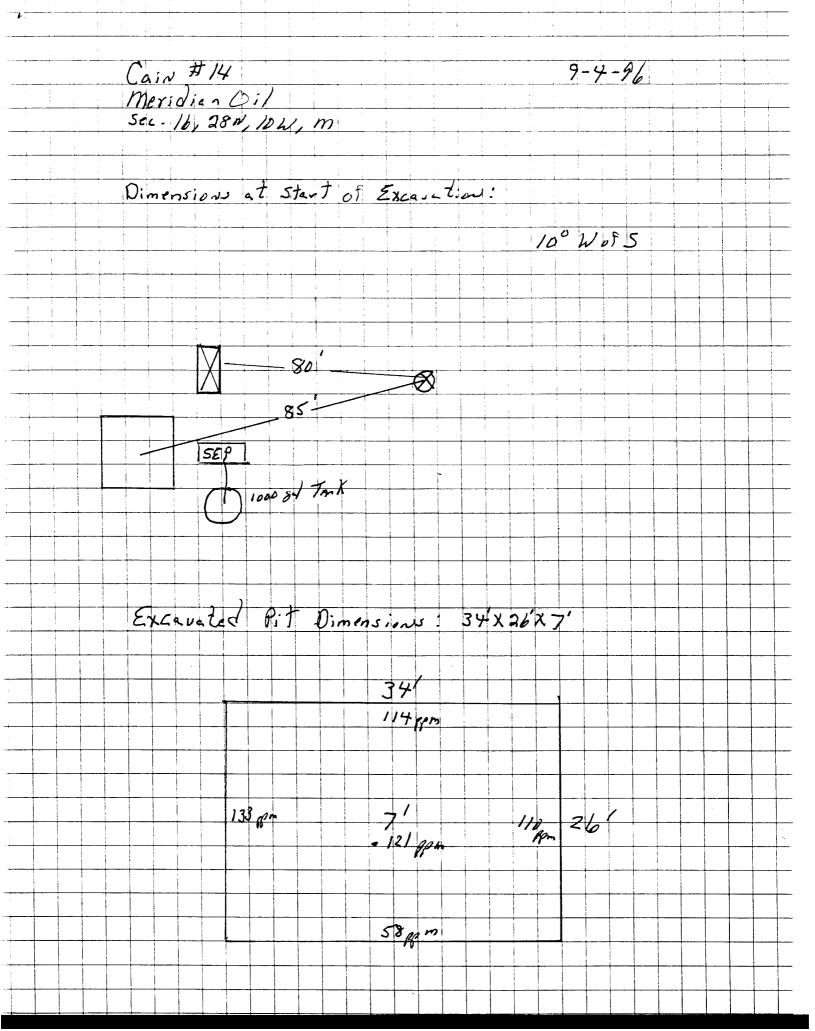
OIL CONSERVATION DIVISION

2040 South Pacheco Street Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Gas Services (SRC	Telephone:	324-3764	
Address:	603 W. Elm Street Farmington, NM 87	401		
Facility or W	ell Name: Cain #14			!
Location:	Unit: M Sec.	16 T. 28 N	R. 10 W County	San Juan
Pit Type:	Separator Dehydra	tor Othe	r	
Land Type:	BLM State	Fee Othe	r	
Pit Location:	Pit dimensions: length	15 ' width	15 ' depth	2 '
(Attach diagram	n) Reference: wellhead	other		
	Footage from reference: 85'			
	Direction from reference: 10	Degrees	East North	····
		<u>₹</u>	of West South	<u>¥</u>
Depth to Grou		Less than 50 feet 50 feet to 99 feet Greater than 100 feet		(20 points) (10 points) (0 points) 0
seasonal high water eleva water	tion of ground			
Wellhead Pro	tection Area:	Yes		(20 points)
(Less than 200 feet from domestic water source, o feet from all other water	r, less than 1,000	No		(0 points) 0
Distance to Su (Horizontal distance to p ponds, rivers, streams, cr	erennial lakes,	Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet		(20 points) (10 points) (0 points) 0
canals and ditches	· ·	RANKING SCORE	(TOTAL POINTS) :	0

Date Remediation Started:	9/4/96		Date Completed: 9,	/6/96
Remediation Method:	Excavation	X	Approx. Cubic Yard	229
(Check all appropriate	Landfarmed	X	Amount Landfarmed (cubic yo	ds) 229
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 34'x26'x	7' and landfarmed soil onsite v	within a bermed area at a depth of 6"	to 12". Soil was
Ground Water Encountere	d: No	Yes	Depth	
Final Pit Closure Sampling:	Sample Location	on 5 pt composite-4 side	e walls and center of pit bottom	
(if multiple samples, attach sample result and diagram of	Sample depth	7'		
sample locations and depths.)	Sample date	9/4/96	Sample time	10:00:00 AM
	Sample Results	3		
	Benzer	ne (ppm)	0.0030	
	Total I	BTEX (ppm)	2.8843	
	Field he	eadspace (ppm)		
	ТРН	< 5.0	Method 8015A	
Vertical Extent (ft)		Risk Assessm	nent form attached Yes	No <u>✓</u>
Ground Water Sample:	Yes	No 💆	(If yes, attach sar	mple results)
I HEREBY CERTIFY THA KNOWLEDGE AND MY I		IATION ABOVE IS TRU	E AND COMPLETE TO THE B	EST OF MY
DATE January 22, SIGNATURE	1997 u Bear	PRINTE AND TI	ED NAME Denver Bearden ITLE Administrator III	





LAB: (505) 325-1556

Diesel Range Organics

Attn:

Address:

Denver Bearden

Company: PNM Gas Services

603 W. Elm

City, State: Farmington, NM 87401

Date:

5-Sep-96

COC No.:

4990

Sample No.

11981

Job No.

2-1000

Project Name:

PNM Gas Sevices - Cain #14

Project Location:

9609041000; 5pt. Composite, 4 Walls @ 6' and Bottom @ 7'

Date:

4-Sep-96 Time:

10:00

Sampled by: Analyzed by:

DC

Date:

5-Sep-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	4.3	15%

Matrix Spike

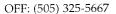
Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Diesel Range (C10-C28)	98	114	(70-130)	11	20%

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

Approved by:
Date: 9/6/96

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -





LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:

Denver Bearden

Date:

5-Sep-96

Company: PNM Gas Services

COC No.:

4990

603 W. Elm Address:

11981

City, State: Farmington, NM 87401

Sample No.: Job No.:

2-1000

Project Name:

PNM Gas Sevices - Cain #14

Project Location:

9609041000; 5pt. Composite, 4 Walls @ 6' and Bottom @ 7'

Date:

4-Sep-96 Time:

10:00

Sampled by:

GC DC

Date:

5-Sep-96

Analyzed by: Sample Matrix:

Soil

Laboratory Analysis

Parameter		Result	Unit of Measure	Detection Limit	Unit of Measure
Benzene		3.0	ug/ kg	0.2	ug/kg
Toluene		126.0	ug/kg	0.2	ug/kg
Ethylbenzene		201.9	ug/kg	0.2	ug/kg
m,p-Xylene		2091.3	ug/kg	0.2	ug/kg
o-Xylene		462.0	ug/kg	0.2	ug/kg
	TOTAL	2884.3	ug/kg		

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

Approved by: Date:

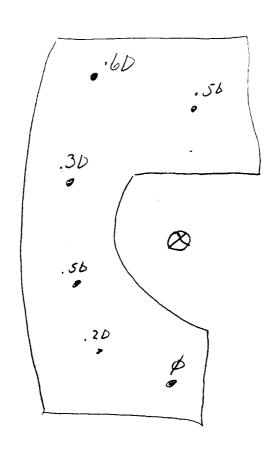
Cain # 14 Meridian Oil Sec. 16-28N-10W

10-1-96

LANd Farm: On location

Composite sample # 96/00/1300 6pt. comp.

soil vagor head space PID reading = 6.9 pm



2"-12" depth

OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn:

Denver Bearden

Date:

4-Oct-96

Company: PNM Gas Services

COC No.:

5074

Sample No.

12414

Address:

603 W. Elm

City, State: Farmington, NM 87401

Job No.

2-1000

PNM Gas Services - Cain #14 Landfarm

Project Name: Project Location:

9610011300; 6pt. Composite, 2"-12" depth

1-Oct-96 Time:

13:00

Sampled by: Analyzed by:

GC DC/BV Date: Date:

4-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

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			%RSD	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:

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