District District And Andrews And GAS INSPECTOR

District III 1000 Rio Brazos Rd. Atte SNI 88 61997 State of New Mexico
Energy, Minerals and Natural Resources Department

SUBMIT I COPY TO APPROPRIATE DISTRICT OFFICE AND I COPY TO "SANTA TE OFFICE TO

### OIL CONSERVATION DIVISION

2040 South Pacheco Street Santa Fe, New Mexico 87505

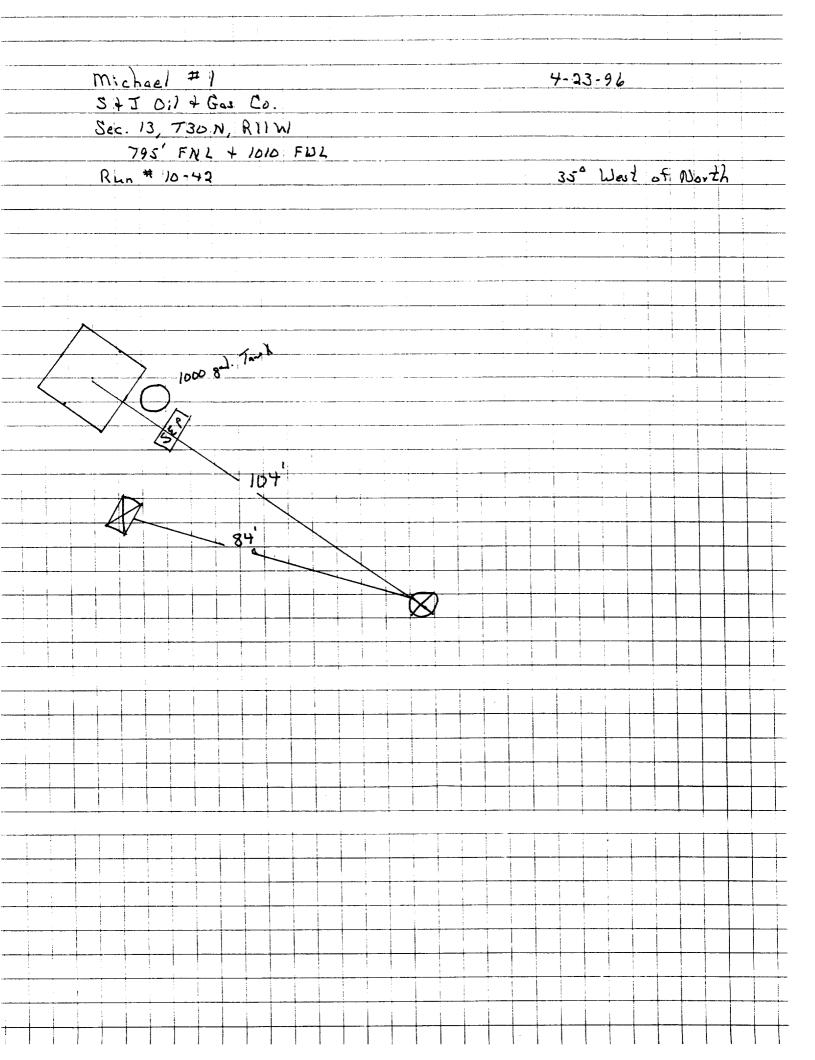
My Vice of

DECESVED OCT 9 1 1836

# PIT REMEDIATION AND CLOSURE REPORT

was a second of the west of the	and a company of the second of	
Operator:	PNM Gas Services ( S&J Oil &Gas Co. ) Telephone: 324-	3764 DISI. 3
Address:	603 W. Elm Street Farmington, NM 87401	
Facility or We	Il Name: Michael #1	
Location:	Unit: D Sec. 13 T. 30 N R. 17	1 W County San Juan
Pit Type:	Separator Other	
Land Type:	BLM Y State Fee Other	
Pit Location:	Pit dimensions: length 20 width 20	depth 4
(Attach diagram	Reference: wellhead vother	
	Footage from reference: 104'	
	Direction from reference: 35 Degrees East	North 👱
	₩est	of South
Depth to Grou  (Vertical distance from or seasonal high water eleval water	50 feet to 99 feet  Greater than 100 feet	(20 points) (10 points) ( 0 points)
Wellhead Prot  (Less than 200 feet from domestic water source, or feet from all other water	Yes No a private (1-less than 1,000	(20 points) ( 0 points) 0
Distance to Su	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		OTAL POINTS):

Date Remediation Started:	4/23/96	Date Completed: 4/23/96
Remediation Method:	Excavation	X Approx. Cubic Yard 89
(Check all appropriate	Landfarmed	X Amount Landfarmed (cubic yds) 59
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:	
		7' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was
aerated by plowing/disking until	soil met regulatory	levels.
Ground Water Encountered	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	7'
sample locations and depths.)	Sample date	4/23/96 Sample time 2:00:00 PM
	Sample Result	s
	Benze	ne (ppm) 0.0511
	Total 1	BTEX (ppm)5.9733
	Field h	neadspace (ppm)
	ТРН	14.70 Method 8015A
Vertical Extent (ft)	<del></del>	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 Mawa	1996 UN Yang	PRINTED NAME Maureen Gannon AND TITLE Environmental Engineer





OFF: (505) 325-8786

LAB: (505) 325-5667

# Diesel Range Organics EPA 8015-Modified

Attn:

Denver Bearden

Date:

25-Apr-96

Company: PNM Gas Services

COC No.:

4613

Address:

603 W. Elm

Sample No.

10707

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Services - Michael #1

**Project Location:** 

9604231400; 5pt. Composite, 4 Walls & Bottom, 7' Date:

23-Apr-96 Time:

14:00

Sampled by: Analyzed by:

DC

Date:

24-Apr-96

Sample Matrix:

Soil

### Laboratory Analysis

Analyte	Result	Unit of Measure	Detection Limit	Unit of Measure
Diesel Range Organics (C10 - C28)	14.7	mg/kg	5.0	mg/kg

### Quality Assurance Report

DRO QC No.:

0446-STD

#### Calibration Check

Analyte	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	< 5.0	ррт	2,000	2,038	1.9	15%

Matrix Spike

matrix opina	·				
	1- Percent	2 - Percent			
Analyte	Recovered	Recovered	Limit	%RSD	Limit
Diesel Range (C10-C28)	101	101	(70-130)	0	20%

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

Approved by: \( \)a \( \)
\( \)
\( \) Date: \( \) \( \) \( \) \( \) \( \) \( \)

P. O. BOX 2606 • FARMINGTON, NM 87499



OFF: (505) 325-8786

LAB: (505) 325-5667

### AROMATIC VOLATILE ORGANICS

Attn:

Denver Bearden

Date:

24-Apr-96

Company: PNM Gas Services

COC No.:

4613

Address:

Sample No.

10707

603 W. Elm

Job No.

2-1000

City, State: Farmington, NM 87401

PNM Gas Services - Michael #1

Project Name: **Project Location:** 

9604231400; 5pt. Composite, 4 Walls & Bottom, 7'

Sampled by:

GC

Date:

23-Apr-96 Time:

14:00

Analyzed by:

Type of Sample:

DC Soil

Date:

24-Apr-96

# Aromatic Volatile Organics

			Units of	Detection	Units of Measure	
Component	Result	Measure	Limit			
Benzene		51.1	ug/ <b>kg</b>	0.2	ug/ <b>k</b> g	
Toluene		866.0	ug/kg	0.2	ug/kg	
Ethylbenzene		477.0	ug/kg	0.2	ug/ <b>kg</b>	
m,p-Xylene		3615.0	ug/kg	0.2	ug/kg	
o-Xylene		964.1	ug/ <b>k</b> g	0.2	ug/kg	
	TOTAL	5973.3	ug/kg			

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

Approved by: A CAN Date: 4/25/96

P. O. BOX 2606 • FARMINGTON, NM 87499

MICHAEL #1

July 23,1996

S&J

Sec. 13-30N-11W

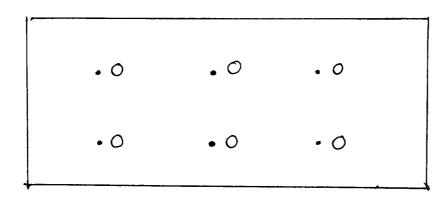
Land Farm: On Location

59 Yards

Composite Sample #: 9607230950

Soil Vapor Head-Space Reading = 8.6 ppm (PID)

Sample depths between 2" and 12"



Ø

OFF: (505) 325-5667



LAB: (505) 325-1556

# Diesel Range Organics

Attn:

Denver Bearden

Company: PNM Gas Services

Address:

603 W. Elm

City, State: Farmington, NM 87401

Project Name: **Project Location:** 

PNM Gas Services - Michael #1 Landfarm

9607230950; 6pt. Composite, 2" - 12" depth

Date:

Date:

23-Jul-96 Time:

24-Jul-96

Date:

COC No.:

Sample No.

Job No.

9:50

24-Jul-96

4908

11572

2-1000

Sampled by: Analyzed by: Sample Matrix:

HR Soil

GC

Laboratory Analysis

	Result	Unit of Measure	Detection Limit	Unit of Measure
Diesel Range Organics (C10 - C28)	11.7	mg/kg	5.0	mg/kg

## Quality Assurance Report

DRO QC No.:

0479-QC

Calibration Check

Calibration C.	IIICX		· · · · · · · · · · · · · · · · · · ·			
	Method	Unit of	True	Analyzed		
Parameter	Blank	Measure	Value	Value	% Diff	Limit
	<5.0	ppm	2.000	1,798	10.1	15%
Diesel Range (C10 - C28)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ppin				

Matrix Spike

матіх эріке	'				
	1- Percent	2 - Percent			
Parameter	Recovered	Recovered	Limit	%RSD	Limit
- LB (C10 C28)	98	100	(70-130)	2	20%
Diesel Range (C10-C28)	30		<u></u>		

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

Approved by:

P.O. BOX 2606 • FARMINGTON, NM 87499