Bistrict II DEPUTY OIL & GAS INSPECTOR

bistrict III 4000 Rio Brazos Rd. Azta OGT 8 409 1996 State of New Mexico
Energy, Minerals and Natural Resources Department



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

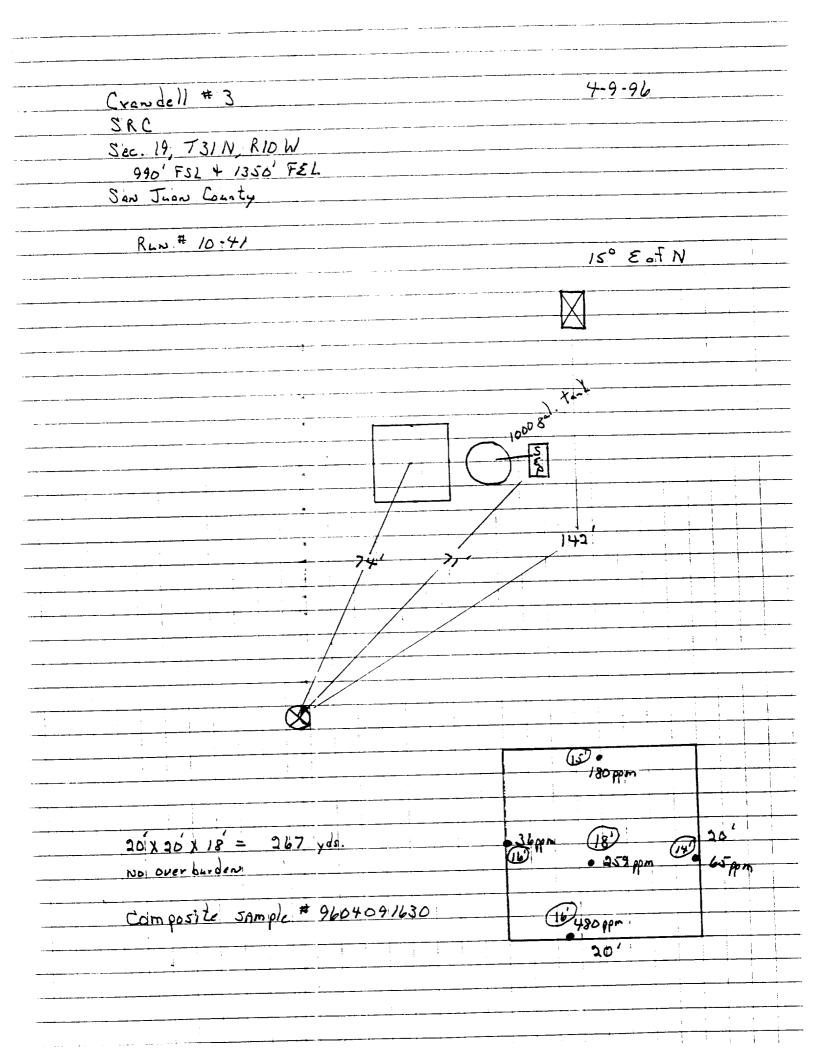
# OIL CONSERVATION DIVISION

2040 South Pacheco Street Santa Fe, New Mexico 87505 OIL CON. DIV

# PIT REMEDIATION AND CLOSURE REPORT

	DATA	A.C. Con Comico	s (SRC		) Tele	ephone:	324-376	4		
Operator:	PNI	M Gas Service				·p.no.no				
Address:	6 <b>0</b> 3 W. E	Elm Street Far	mington, NM	87401						-
Facility or We	ll Name:	Crandell #3								_
Location:	: Unit:	0_	Sec.	19	Γ	31 N R	10 W	County	San Juan	
Pit Type:	Separa	ator	Deh	ydrator		Other		No		
Land Type:	BLM	<u>√.</u>	State	F	ee	Other		No		
Pit Location:	•	Pit dimension	ns: length	1 <u>20</u>	,	width	20	depth	3 '	
(Attach diagran	n) ;	Reference:	wellhead	1 <u>v</u> .	-	other _				
	ut s	Footage from	reference:	74'						_
	* *	Direction from	m reference:	15	Degrees	<u>~</u>	East	North	<u> </u>	
							West	South		
Depth to Gro						an 50 feet to 99 feet n 100 feet			(20 points) (10 points) ( 0 points)	0
seasonal high water elec water	vatios@f ground	d								
Wellhead Pro		Area:				Yes No			(20 points) ( 0 points)	0
(Less than 200 feet from domestic water source, feet from all other water	or; less than 1.	000								
Distance to S					200 feet	than 200 feet to 1,000 feet an 1,000 feet			(20 points) (10 points) ( 0 points)	0
(Horizontal distance to ponds, rivers, streams, canals and ditches	creeks, irrigati	on			RANKI	NG SCORI	E (TOT	AL POINTS	5):	0

Date Remediation Started:	4/9/96	Da	te Completed:	4/9/96
Remediation Method:	Excavation	<u>X</u> Ap	prox. Cubic Yard	267
(Check all appropriate	Landfarmed	X Am	nount Landfarmed (cubic	yds)
sections)	Other			
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite	X Offi		
Backfill Material Location:				
General Description of Ren	nedial Action:	· ·		
Excavated contaminated soil to aerated by plowing/disking until	pit size of 20'x20'x	8' and landfarmed soil onsite within	a bermed area at a depth of	6" to 12". Soil will be
detated by proving disking disti	30// meets regulato	y levels.		
Ground Water Encountere	d: No	Yes _	Depth	<del></del>
*				
Final Pat Closure Sampling:	Sample Location	n 5 pt. composite-4 side walt	s and center of pit bottom	
(if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample depth	18'		
•	Sample date	4/9/96	Sample time	4:30:00 PM
	Sample Results			
•	Benzer	e (ppm) 0.0010	_	
_	Total F	TEX (ppm) 0.946	51	
	Field he	adspace (ppm)		
	ТРН	208.00 Met	hod 418.1	
Ventical Extent (ft)		Risk Assessment fo	orm attached Yes	No 🗸
Ground Water Sample:	Yes	- No <u>v</u>	(If yes, attach s	sample results)
I HEREBY CERTIFY THA KNOWLEDGE AND MY		ATION ABOVE IS TRUE AN	D COMPLETE TO THE	BEST OF MY
DATE 7-26-9 SIGNATURE DEM	6 wbea	PRINTED NA AND TITLE	AME	





OFF: (505) 325-8786

LAB: (505) 325-5667

## TOTAL PETROLEUM HYDROCARBONS

Attn: Denver Bearden Date:

14-Apr-96

Company: PNM Gas Services

COC No.:

4602

Address: 603 W. Elm Sample No.

10607

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Services - Crandell #3

**Project Location:** 

9604091630; 5pt. Composite, 4 Walls & Bottom, 18'

9-Apr-96 Time:

Sampled by:

GC

Date:

16:30

Analyzed by:

DC

Date:

14-Apr-96

Type of Sample: Soil

#### Laboratory Analysis

Laboratory			Total Petroleum
Identification	•	Sample Identification	Hydrocarbons
		PNM Gas Services - Crandell #3	
10607-4602		9604091630; 5pt. Composite, 4 Walls & Bottom, 18'	208 mg/kg

### Quality Assurance Report

Laboratory Identification	Analyzed Value	Acceptable Range	Units of Measure
Laboratory Fortified Blank Soil - QCBS2	< 25	< 25	mg/kg
Laboratory Fortified Spike Soil - QCSS1	913	828 - 1024	mg/kg

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by:



OFF: (505) 325-8786

LAB: (505) 325-5667

# AROMATIC VOLATILE ORGANICS

Attn:

Denver Bearden

Date:

11-Apr-96

Company: PNM Gas Services

COC No.:

4602

Address:

Sample No.: Job No.:

10607 2-1000

City, State: Farmington, NM 87401

603 W. Elm

PNM Gas Services - Crandell #3

Project Name: Project Location:

9604091630; 5pt. Composite, 4 Walls & Bottom, 18'

Sampled by:

GC

Date: Date:

9-Apr-96 Time:

16:30

Analyzed by:

DC

11-Apr-96

Type of Sample:

Soil

## Aromatic Volatile Organics

Compon <del>e</del> nt '		Result	Units of Measure	Detection Limit	Units of Measure
Benzene		1.0	ug/ <b>kg</b>	0.2	ug/ <b>kg</b>
Toluene		10.2	ug/ <b>kg</b>	0.2	ug/ <b>kg</b>
Ethylbenzene		80.8	ug/kg	0.2	ug/ <b>kg</b>
m,p-Xylene		767.2	ug/ <b>kg</b>	0.2	ug/ <b>kg</b>
o-Xylene		87.0	ug/ <b>kg</b>	0.2	ug/ <b>kg</b>
	TOTAL	946.1	ug/ <b>kg</b>		

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

P. O. BOX 2606 • FARMINGTON, NM 87499

Meridian Bil Sec. 19, 731N, RIDLI Rhn # 10-41  LAND FARMED BN-Loc.tion  Composite SAMPLE # 9605140  Soil Vapor Head-Space Reading  2.3 1.8	800
Rin # 10-41  LAND FAVORED BN-LOCITION  Composite SAMPLE # 960514 0  Soil Vapor Head-Space Reading	800
LAND FAVORED BN-LOC-E: UN  Composite SAMPLE # 960514 0  Soil Vapor Head-Space Reading	800
Composite sample # 9605/4 0  Soil Vapor Head-Space Reading	800
Composite sample # 9605140  Soil Vapor Head-Space Reading	800
Composite sample # 9605/4 0  Soil Vapor Head-Space Reading	800
Soil Vapor Head-Space Reading	
Soil Vapor Head-Space Reading	
2.3	= 53.3 pm
2.3	
2.3 2.2	
2.3 2.2	
<del></del>	
•	
1:7	
1.9	
	:
SAMPLE depths 2"-12	(1



OFF: (505) 325-8786

LAB: (505) 325-5667

## Diesel Range Organics

Attn:

Denver Bearden

Company: PNM Gas Services

Address:

603 W. Elm

City, State: Farmington, NM 87401

Date:

16-May-96

COC No.:

4641

Sample No.

10883

Job No.

2-1000

Project Name:

PNM Gas Services - Crandell #3 Land Farm

**Project Location:** 

9605140800; 6pt. Composite, 2"-12" deep

Date:

14-May-96 Time:

8:00

Sampled by: Analyzed by: GC HR

Date:

15-May-96

Sample Matrix:

Soil

### Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Diesel Range Organics (C10 - C28)	194.5	mg/kg	5.0	mg/kg

### Quality Assurance Report

DRO QC No.:

0475-QC

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	<5.0	ppm	2,000	1,816	9.2	15%

Matrix Spike

Maura Spike			<del></del>		
	1- Percent	2 - Percent	Ì		İ
Parameter	Recovered	Recovered	Limit	%RSD	Limit
		00	/70 120\	e	20%
Diesel Range (C10-C28)	88	96	(70-130)	0	2076

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

Approved by:

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