

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

District II
P.O. Drawer DD, Artesia, NM 88221

District III
1900 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

Denny L. Frost
DEPUTY OIL & GAS INSPECTOR

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

FEB 28 1997

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED
OCT 31 1996

OIL CON. DIV.
DIST. 3

Operator:	PNM Gas Services (Meridian)		Telephone:	324-3764	
Address:	603 W. Elm Street Farmington, NM 87401				
Facility or Well Name:	Reid #23				
Location:	Unit: L	Sec. 17	T. 28 N	R. 9 W	County San Juan
Pit Type:	Separator	Dehydrator <input checked="" type="checkbox"/>	Other		
Land Type:	BLM	State	Fee <input checked="" type="checkbox"/>	Other	
Pit Location:	Pit dimensions:		length 20	width 20	depth 3
(Attach diagram)	Reference:	wellhead <input checked="" type="checkbox"/>	other		
	Footage from reference:		130'		
	Direction from reference:		30 Degrees	<input checked="" type="checkbox"/> East	North <input checked="" type="checkbox"/>
				West	South
Depth to Ground Water:	(Vertical distance from contaminants to seasonal high water elevation of ground water)		Less than 50 feet (20 points)	50 feet to 99 feet (10 points)	Greater than 100 feet (0 points)
Wellhead Protection Area:	(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)		Yes (20 points)	No (0 points)	
Distance to Surface Water:	(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)		Less than 200 feet (20 points)	200 feet to 1,000 feet (10 points)	Greater than 1,000 feet (0 points)
RANKING SCORE (TOTAL POINTS):					10

Date Remediation Started:		<u>8/15/96</u>	Date Completed:		<u>8/15/96</u>
Remediation Method: (Check all appropriate sections)	Excavation	<u>X</u>	Approx. Cubic Yard	<u>342</u>	
	Landfarmed	<u>X</u>	Amount Landfarmed (cubic yds)	<u>342</u>	
	Other	<u></u>			
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite	<u>X</u>	Offsite	<u></u>	
Backfill Material Location: <u></u>					
General Description of Remedial Action: Excavated contaminated soil to pit size of 30'x22'x14' 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. <u></u> <u></u> <u></u> <u></u> <u></u>					
Ground Water Encountered:		No	<u>✓</u>	Yes	<u></u> Depth <u></u>

Final Pit Closure Sampling:Sample Location 5 pt composite-4 side walls and center of pit bottom

(If multiple samples, attach sample result and diagram of sample locations and depths.)

Sample depth 14'Sample date 8/15/96 Sample time 11:45:00 AM

Sample Results

Benzene (ppm) 0.0014Total BTEX (ppm) 0.0887Field headspace (ppm) TPH 8.60 Method 8015AVertical Extent (ft) Risk Assessment form attached Yes No ✓Ground Water Sample: Yes No ✓ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

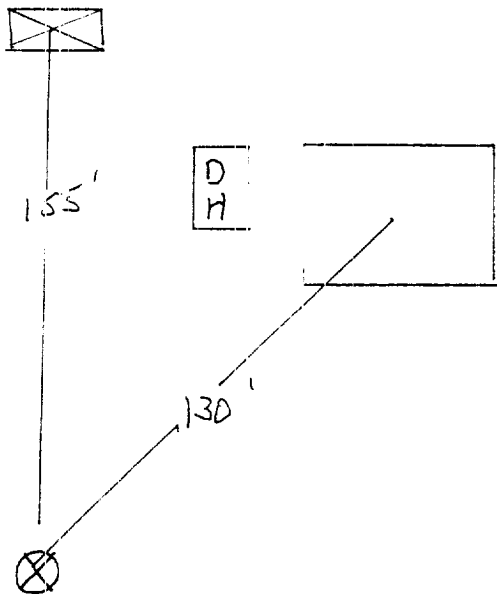
DATE October 25, 1996

SIGNATURE

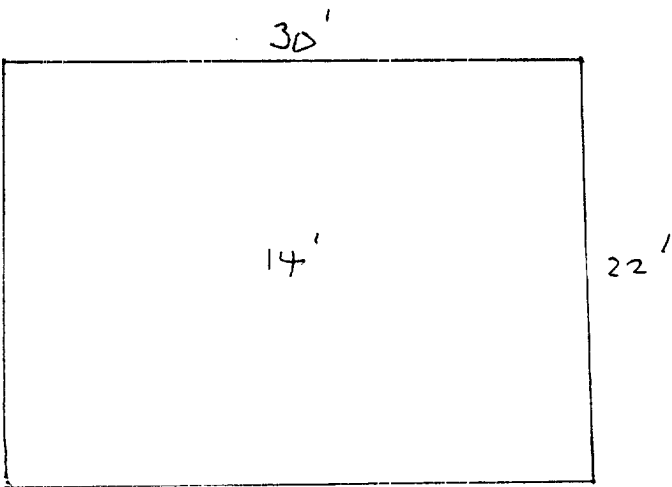
Maureen GannonPRINTED NAME Maureen GannonAND TITLE Environmental Engineer

REID #23
MERIDIAN
SEC. 17, 28N, 09W, L

PIT DIMENSIONS AT START: 20X20X3



EXCAVATION DIMENSIONS AT END: $30 \times 22 \times 14 = 342$ YDS.





Diesel Range Organics

Attn: Denver Bearden
Company: PNM Gas Services
Address: 603 W. Elm
City, State: Farmington, NM 87401

Date: 20-Aug-96
COC No.: 4969
Sample No. 11795
Job No. 2-1000

Project Name: PNM Gas Services - Reid #23
Project Location: 9608151145; 5pt. Composite, 4 Walls @ 12' and Bottom @ 14'
Sampled by: GC Date: 15-Aug-96 Time: 11:45
Analyzed by: DC/HR Date: 19-Aug-96
Sample Matrix: Soil

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Diesel Range Organics (C10 - C28)	8.6	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	99	0.8	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: 8/20/96

P.O. BOX 2606 • FARMINGTON, NM 87499
- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *19-Aug-96*
COC No.: *4969*
Sample No.: *11795*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Reid #23*
Project Location: *9608151145; 5pt. Composite, 4 Walls @ 12' and Bottom @ 14'*
Sampled by: *GC* Date: *15-Aug-96* Time: *11:45*
Analyzed by: *HR* Date: *16-Aug-96*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Benzene	1.4	ug/kg	0.2	ug/kg
Toluene	6.6	ug/kg	0.2	ug/kg
Ethylbenzene	2.7	ug/kg	0.2	ug/kg
m,p-Xylene	55.2	ug/kg	0.2	ug/kg
o-Xylene	22.8	ug/kg	0.2	ug/kg
TOTAL		88.7	ug/kg	

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

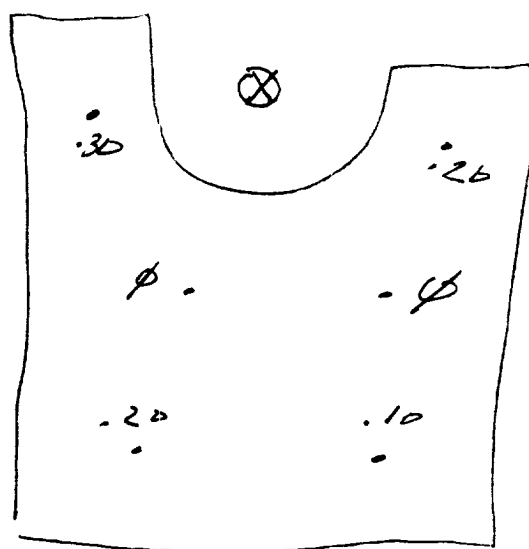
Approved by: *[Signature]*
Date: *8/19/96*

P.O. BOX 2606 • FARMINGTON, NM 87499
- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Reid #23
Meridian Oil
Sec. 18, 28N, 9W

9-12-96

Land Farm : On location
Composite sample # 9609121245 6pt
soil vapor head space PID reading : 2.7 ppm



2"-12" depth
sand

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

Date: 16-Sep-96
COC No.: 5034
Sample No. 12137
Job No. 2-1000

Project Name: PNM Gas Services - Reid #23 Landfarm
Project Location: 9609121245; 6pt. Composite, 2"-12" depth
Sampled by: GC Date: 12-Sep-96 Time: 12:45
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)	7.5	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

Parameter	1- Percent Recovered	2 - Percent 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: 9/16/96

P.O. BOX 2606 • FARMINGTON, NM 87499
- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -