

District I
P.O. Box 1

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

District III
1000 Rio Brazos Rd. Aztec, NM 87410

Denny S. Foust
DEPUTY OIL & GAS INSPECTOR

OCT 19 1996

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

RECEIVED
JUL 30 1996

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

OIL CON. DIV.
DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (SRC)		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: East #4A			
Location:	Unit: 1	Sec. 24	T. 31 N R. 12 W County San Juan
Pit Type:	Separator	Dehydrator <input checked="" type="checkbox"/>	Other No
Land Type:	BLM <input checked="" type="checkbox"/>	State	Fee Other No
Pit Location:	Pit dimensions: length 15 width 15 depth 3		
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other		
	Footage from reference: 80'		
	Direction from reference: 90 Degrees East North <input checked="" type="checkbox"/>		
	<input checked="" type="checkbox"/> West South		
Depth to Ground Water:	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)		10
(Vertical distance from contaminants to seasonal high water elevation of ground water)			
Wellhead Protection Area:	Yes (20 points) No (0 points)		0
(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)			
Distance to Surface Water:	Less than 200 feet (20 points) 200 feet to 1,000 feet (10 points) Greater than 1,000 feet (0 points)		0
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)			
RANKING SCORE (TOTAL POINTS):			10

Date Remediation Started:	3/26/96	Date Completed:	3/26/96
Remediation Method: (Check all appropriate sections)	Excavation <input checked="" type="checkbox"/>	Approx. Cubic Yard	215
	Landfarmed <input checked="" type="checkbox"/>	Amount Landfarmed (cubic yds)	215
	Other _____		
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite <input checked="" type="checkbox"/>	Offsite	_____
Backfill Material Location:	_____		
General Description of Remedial Action:	Excavated contaminated soil to pit size of 22'x24'x11' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil will be aerated by plowing/disking until soil meets regulatory levels _____ _____ _____ _____ _____		
Ground Water Encountered:	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	Depth _____

Final Pit Closure Sampling: (if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample Location <u>5 pt. composite-4 side walls and center of pit bottom</u> Sample depth <u>11'</u> Sample date <u>3/26/96</u> Sample time <u>1:30:00 PM</u> Sample Results Benzene (ppm) <u>0.0289</u> Total BTEX (ppm) <u>28.8646</u> Field headspace (ppm) _____ TPH <u>336.00</u> Method <u>418.1</u> Vertical Extent (ft) _____ Risk Assessment form attached Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Ground Water Sample:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (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 7-26-96 PRINTED NAME AND TITLE _____

SIGNATURE Dennis Bearden

East 4A

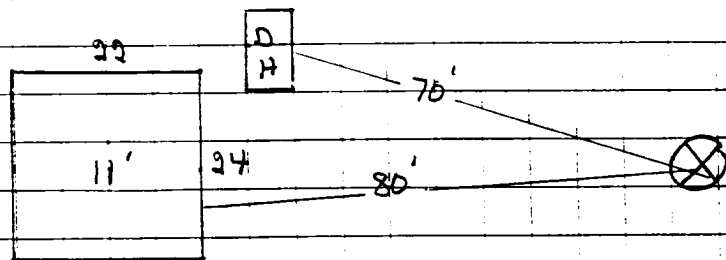
3-26-96

meridian Oil

Sec. 24, T31N, R12W

1640' FSL & 1010 FSL

N
↑



Pit remediation $22' \times 24' \times 11' = 215 \text{ yards}$

no overburden

Hard shell Rock

OFF: (505) 325-8786



LAB: (505) 325-5667

TOTAL PETROLEUM HYDROCARBONS

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

Date: *28-Mar-96*
COC No.: *4591*
Sample No. *10511*
Job No. *2-1000*

Project Name: *PNM Gas Services - East 4A*
Project Location: *9603261330; 5pt. Composite, 11' deep*
Sampled by: GC Date: *26-Mar-96* Time: *13:30*
Analyzed by: HR Date: *28-Mar-96*
Type of Sample: *Soil*

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
<i>10511-4591</i>	<i>PNM Gas Services - East 4A</i> <i>9603261330; 5pt. Composite, 11' deep</i>	<i>336 mg/kg</i>

Quality Assurance Report

Laboratory Identification	Analyzed Value	Acceptable Range	Units of Measure
<i>Laboratory Fortified Blank Soil - QCBS2</i>	<i>< 25</i>	<i>< 25</i>	<i>mg/kg</i>
<i>Laboratory Fortified Spike Soil - QCSS1</i>	<i>877</i>	<i>828 - 1024</i>	<i>mg/kg</i>

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by: *Ja4*

Date: *3/28/96*

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OFF: (505) 325-8786

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

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

Date: *28-Mar-96*
COC No.: *4591*
Sample No. *10511*
Job No. *2-1000*

Project Name: *PNM Gas Services - East 4A*
Project Location: *9603261330; 5pt. Composite, 11' deep*
Sampled by: *GC* Date: *26-Mar-96* Time: *13:30*
Analyzed by: *DC* Date: *28-Mar-96*
Type of Sample: *Soil*

Aromatic Volatile Organics

Component	Result	Units of Measure	Detection Limit	Units of Measure
<i>Benzene</i>	<i>28.9</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>2634.4</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>2107.7</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>20866.8</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>3226.8</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
TOTAL	28864.6	ug/kg		

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

Approved by: *[Signature]*

Date: *3/28/96*

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East 4th

4-25-96

Meridian Oil

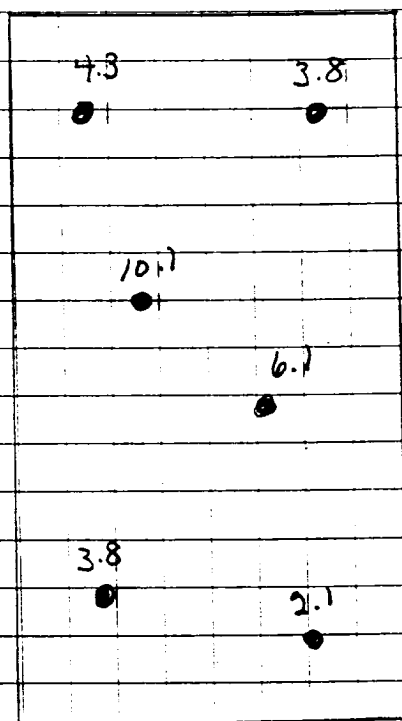
Sec. 24, T31N, R12W

Run # 10-

Land Farm : On location 215 yds.

Composite sample # 9604251100 6 pt.

Soil vapor head-space = 76.7 ppm



Sample depths 2" - 12"

OFF: (505) 325-8786



LAB: (505) 325-5667

Diesel Range Organics EPA 8015-Modified

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

Date: *30-Apr-96*
COC No.: *4629*
Sample No. *10741*
Job No. *2-1000*

Project Name: *PNM Gas Services - East 4A Land Farm*
Project Location: *9604251100; 6pt. Composite, 2"-12" deep*
Sampled by: GC Date: *25-Apr-96* Time: *11:00*
Analyzed by: DC Date: *29-Apr-96*
Sample Matrix: *Soil*

Laboratory Analysis

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

Quality Assurance Report

DRO QC No.: *0446-STD*

Calibration Check

<i>Analyte</i>	<i>Method Blank</i>	<i>Unit of Measure</i>	<i>True Value</i>	<i>Analyzed Value</i>	<i>% Diff</i>	<i>Limit</i>
<i>Diesel Range (C10 - C28)</i>	<i>< 5.0</i>	<i>ppm</i>	<i>2,000</i>	<i>1,974</i>	<i>1.3</i>	<i>15%</i>

Matrix Spike

<i>Analyte</i>	<i>1- Percent Recovered</i>	<i>2 - Percent Recovered</i>	<i>Limit</i>	<i>%RSD</i>	<i>Limit</i>
<i>Diesel Range (C10-C28)</i>	<i>101</i>	<i>103</i>	<i>(70-130)</i>	<i>1</i>	<i>20%</i>

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

Approved by: *[Signature]*
Date: *4/30/96*

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