

District
P.O. Box 1900, Santa Fe, NM 87501

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

District III
1000 Rio Brazos Road, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

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OIL CON. DIV.
DIST. 3

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APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

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:	Decker #2A				
Location:	Unit: 1	Sec. 26	T. 32 N	R. 12 W	County San Juan
Pit Type:	Separator <input checked="" type="checkbox"/>	Dehydrator <input checked="" type="checkbox"/>	Other No		
Land Type:	BLM <input checked="" type="checkbox"/>	State	Fee	Other No	
Pit Location:	Pit dimensions:		length 20'	width 20'	depth 3'
(Attach diagram)	Reference:	wellhead <input checked="" type="checkbox"/>	other		
	Footage from reference:		152'		
	Direction from reference:		45 Degrees	East	North
			<input checked="" type="checkbox"/> West	of	South <input checked="" type="checkbox"/>
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)
					0
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)	
					0
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)
					0
RANKING SCORE (TOTAL POINTS):					0

Date Remediation Started:

3/21/96

Date Completed:

3/21/96

Remediation Method:

Excavation

☒

Approx. Cubic Yard

375

(Check all appropriate sections)

Landfarmed

☒

Amount Landfarmed (cubic yds)

375

Other

Remediation Location:

Onsite

☒

Offsite

150 yards to Johns #1 (19-32N-11W)

(i.e., landfarmed onsite, name and location of offsite facility)

Backfill Material Location:

General Description of Remedial Action:

Excavated contaminated soil to pit size of 30'x26'x13' 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

☒

Yes

Depth

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

13'

Sample date

3/21/96

Sample time

2:30:00 PM

Sample Results

Benzene (ppm)

0.2486

Total BTEX (ppm)

37.7225

Field headspace (ppm)

TPH

181.00

Method

418.1

Vertical 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

7-26-96

SIGNATURE

Dennis Bearden

PRINTED NAME
AND TITLE

Decker 2A

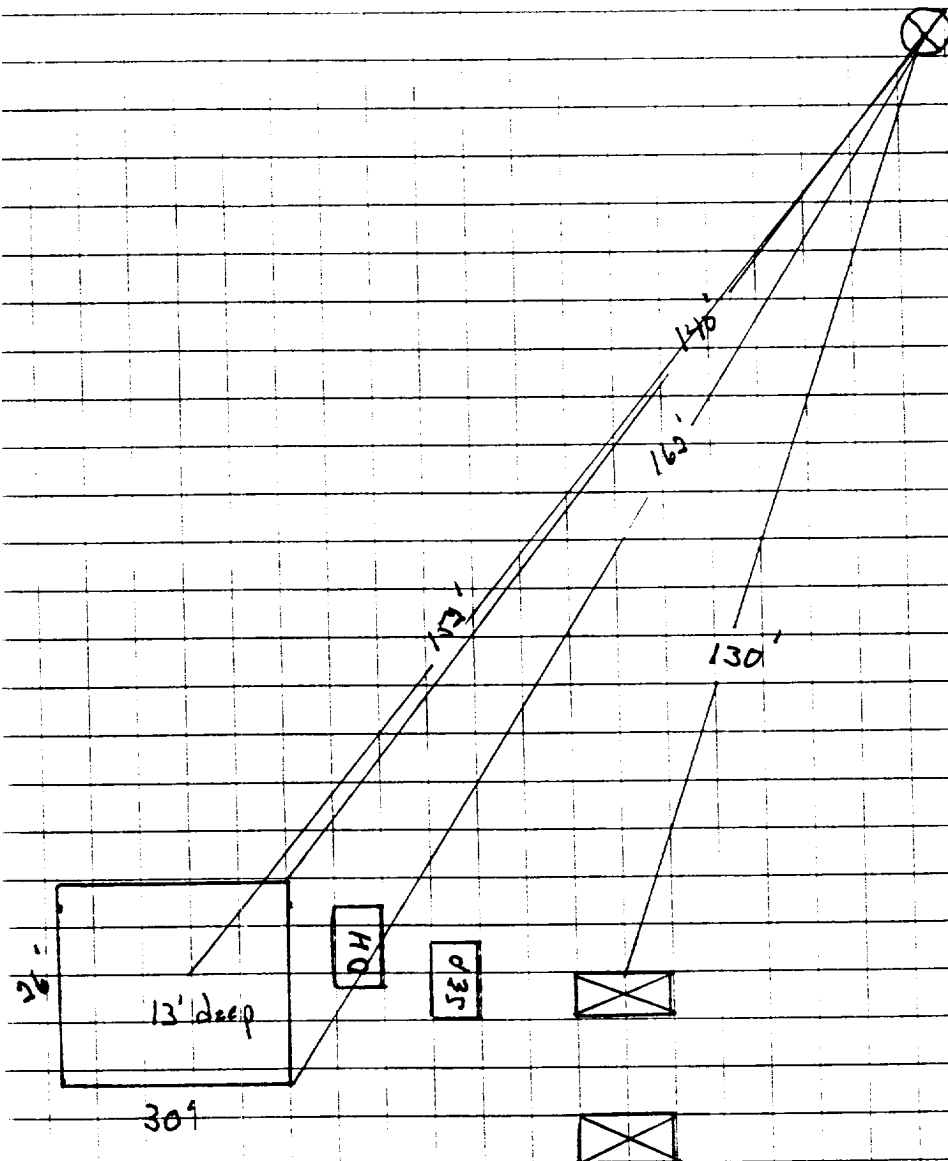
Meridian Oil

3-21-96

Sec. 26, T32N, R12W, Unit I

1700' FSL + 1075' FEL

San Juan County



Pit remediation:
30' X 26' X 13'
no overburden
3175 cubic yards

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: *22-Mar-96*
COC No.: *4590*
Sample No. *10487*
Job No. *2-1000*

Project Name: *PNM Gas Services - Decker 2A*
Project Location: *9603211430; 5pt. Composite, 4 Walls & Bottom @ 13'*
Sampled by: *GC* Date: *21-Mar-96* Time: *14:30*
Analyzed by: *HR* Date: *22-Mar-96*
Type of Sample: *Soil*

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
<i>10487-4590</i>	<i>PNM Gas Services - Decker 2A</i> <i>9603211430; 5pt. Composite, 4 Walls & Bottom @ 13'</i>	<i>181 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>887</i>	<i>828 - 1024</i>	<i>mg/kg</i>

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by: *[Signature]*
Date: *3/22/96*

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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: *23-Mar-96*
COC No.: *4590*
Sample No. *10487*
Job No. *2-1000*

Project Name: *PNM Gas Services - Decker 2A*
Project Location: *9603211430; 5pt. Composite, 4 Walls & Bottom @ 13'*
Sampled by: *GC* Date: *21-Mar-96* Time: *14:30*
Analyzed by: *DC* Date: *23-Mar-96*
Type of Sample: *Soil*

Aromatic Volatile Organics

Component	Result	Units of Measure	Detection Limit	Units of Measure
Benzene	248.6	ug/kg	0.2	ug/kg
Toluene	7875.2	ug/kg	0.2	ug/kg
Ethylbenzene	3551.5	ug/kg	0.2	ug/kg
m,p-Xylene	21259.0	ug/kg	0.2	ug/kg
o-Xylene	4788.1	ug/kg	0.2	ug/kg
TOTAL		37722.5	ug/kg	

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

Approved by: *Ja4*
Date: *3/23/96*

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Decker 2A

Meridian Oil

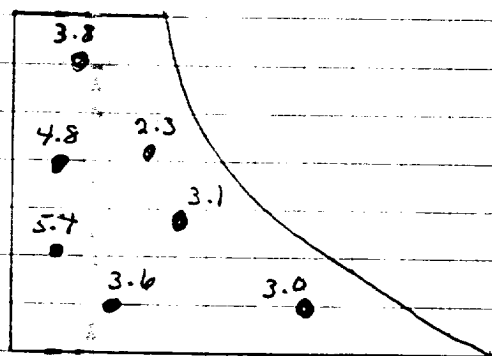
Sec. 26, T32N - R12W

Land Farm on-location 225 yds.

+ John 1-A 150 yds.

Soil vapor head-space reading = 38 ppm PID

Composite sample # 9604241300



Sample depth between 2" & 12"

Johns 1-A

Meridian Oil

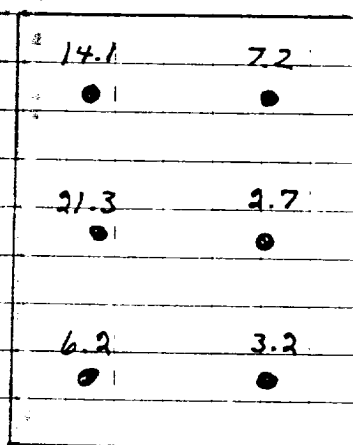
Sec 19-32N, 11W

Land Farming From Decker 2A

150 yds.

Soil vapor head-space reading = 70.1 ppm PID

Composite sample # 9604241300



Sample depth between 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: *26-Apr-96*
COC No.: *4616*
Sample No. *10718*
Job No. *2-1000*

Project Name: *PNM Gas Services - Decker 2A Land Farm*
Project Location: *96042-1230; 7pt. Composite, 2"-12" deep*
Sampled by: *GC* Date: *24-Apr-96* Time: *12:30*
Analyzed by: *DC* Date: *26-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>43.7</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>1,961</i>	<i>1.9</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: *4/26/96*

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OFF: (505) 325-8786

ON SITE
TECHNOLOGIES, LTD.

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: *26-Apr-96*
COC No.: *4616*
Sample No. *10719*
Job No. *2-1000*

Project Name: *PNM Gas Services - John 1-A Land Farm*
Project Location: *9604241300; 6pt. Composite, 2"-12" deep*
Sampled by: *GC* Date: *24-Apr-96* Time: *13:00*
Analyzed by: *DC* Date: *26-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>1,961</i>	<i>1.9</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: *4/26/96*

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