

District I  
P.O. Box 1980, Hobbs, NM  
**DEPUTY OIL & GAS INSPECTOR**

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

District III  
1000 Rio Brazos Rd, Aztec, NM 87410

FEB 28 1997

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Street  
Santa Fe, New Mexico 87505

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

**PIT REMEDIATION AND CLOSURE REPORT**

RECEIVED  
OUT 3 1 1997

<b>Operator:</b> PNM Gas Services ( SRC )		<b>Telephone:</b> 324-3764	
<b>Address:</b> 603 W. Elm Street Farmington, NM 87401			
<b>Facility or Well Name:</b> Nye #3A			
<b>Location:</b>	Unit: P	Sec. 1	T. 30 N R. 11 W County San Juan
<b>Pit Type:</b>	Separator	Dehydrator <input checked="" type="checkbox"/>	Other
<b>Land Type:</b>	BLM <input checked="" type="checkbox"/>	State	Fee Other
<b>Pit Location:</b>	Pit dimensions: length 15 width 15 depth 4		
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other		
	Footage from reference: 145'		
	Direction from reference: 30 Degrees <input checked="" type="checkbox"/> East North <input checked="" type="checkbox"/> West South		
<b>Depth to Ground Water:</b>	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet ( 0 points)		0
(Vertical distance from contaminants to seasonal high water elevation of ground water)			
<b>Wellhead Protection Area:</b>	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)			
<b>Distance to Surface Water:</b>	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)			
<b>RANKING SCORE (TOTAL POINTS):</b>			0

Date Remediation Started: 6/3/96 Date Completed: 6/4/96

Remediation Method: Excavation X Approx. Cubic Yard 551

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds) 500

Other \_\_\_\_\_

Remediation Location: Onsite X-206 YDS Offsite Nye #8 (1-30N-10W) -107 yds  
(i.e., landfarmed onsite, name and location of offsite facility) Nye #11 P&A (1-30N-11W) - 187 yds

Backfill Material Location: \_\_\_\_\_

### General Description of Remedial Action:

Excavated contaminated soil to pit size of 31'x30'x16' and landfarmed soil onsite/offsite 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: 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 16'

Sample date 6/4/96 Sample time 11:15:00 AM

### Sample Results

Benzene (ppm) 0.2261

Total BTEX (ppm) 7.3244

Field headspace (ppm) \_\_\_\_\_

TPH 94.40 Method 8015A

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 October 25, 1996

SIGNATURE Maureen Gannon

PRINTED NAME AND TITLE Maureen Gannon  
Environmental Engineer

N

MH

MH

EXCAVATION  
31'X30'X16'  
5511 CU. YDS.

DH

DH

210  
BBL

S  
E  
P

PIT

PIT

PIT

NYE #3A LANDFARM  
06/04/96  
140.9 CU. YDS.

NYE #3A LANDFARM  
06/04/96  
63.6 CU. YDS.

NYE #3A EXCAVATION  
06/04/96

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: *6-Jun-96*  
COC No.: *4706*  
Sample No. *11078*  
Job No. *2-1000*

Project Name: ***PNM Gas Services - NYE 3A***  
Project Location: ***9606041115; Pit Excavation Composite Sample***  
Sampled by: *RH* Date: *4-Jun-96* Time: *11:15*  
Analyzed by: *HR* Date: *6-Jun-96*  
Sample Matrix: *Soil*

***Laboratory Analysis***

<i>Parameter</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>94.4</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

***Quality Assurance Report***

*DRO QC No.: 0475-QC*

***Calibration Check***

<i>Parameter</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>&lt;5.0</i>	<i>ppm</i>	<i>2,000</i>	<i>1,882</i>	<i>5.9</i>	<i>15%</i>

***Matrix Spike***

<i>Parameter</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>97</i>	<i>99</i>	<i>(70-130)</i>	<i>2</i>	<i>20%</i>

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

Approved by: *JaG*  
Date: *6/6/96*

**P. O. BOX 2606 • FARMINGTON, NM 87499**

**– TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT –**



OFF: (505) 325-8786

LAB: (505) 325-5667

### AROMATIC VOLATILE ORGANICS

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

Date: *6-Jun-96*  
COC No.: *4706*  
Sample No. *11078*  
Job No. *2-1000*

Project Name: *PNM Gas Services - Nye 3A*  
Project Location: *9606041115; Pit Excavation Composite Sample*  
Sampled by: *RH* Date: *4-Jun-96* Time: *11:15*  
Analyzed by: *DC* Date: *5-Jun-96*  
Sample Matrix: *Soil*

#### Aromatic Volatile Organics

Component	Result	Units of Measure	Detection Limit	Units of Measure
<i>Benzene</i>	226.1	ug/kg	0.2	ug/kg
<i>Toluene</i>	1582.0	ug/kg	0.2	ug/kg
<i>Ethylbenzene</i>	1229.9	ug/kg	0.2	ug/kg
<i>m,p-Xylene</i>	3833.3	ug/kg	0.2	ug/kg
<i>o-Xylene</i>	453.0	ug/kg	0.2	ug/kg
TOTAL		7324.4	ug/kg	

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

Approved by: *Ja*  
Date: *6/6/96*

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— TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT —

NYE 3A  
Meridian  
Sec. 01-30N-11W

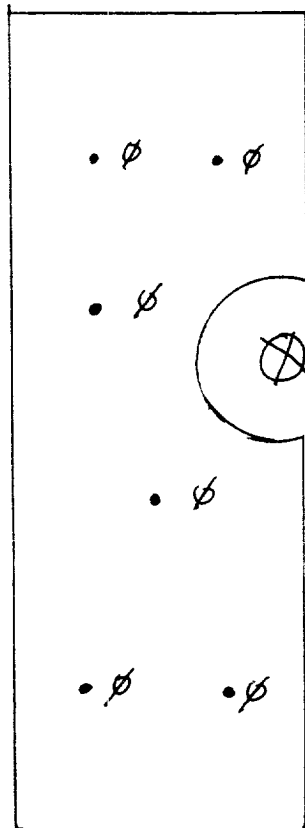
July 24, 1996

Land Farm: On Location  
206 Yards

Composite Sample #: 96 07 24 0900

Soil Vapor Head-Space Reading = 2.1 ppm (PID)

Sample depths between 2" and 12"



OFF: (505) 325-3667



LAB: (505) 325-1556

### *Diesel Range Organics*

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

Date: *25-Jul-96*  
COC No.: *4917*  
Sample No. *11583*  
Job No. *2-1000*

Project Name: *PNM Gas Services - Nye 3A Landfarm*  
Project Location: *9607240900; 6pt. Composite, 2"-12" depth*  
Sampled by: *GC* Date: *24-Jul-96* Time: *9:00*  
Analyzed by: *HR* Date: *25-Jul-96*  
Sample Matrix: *Soil*

### *Laboratory Analysis*

<i>Parameter</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>&lt;5.0</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

### *Quality Assurance Report*

*DRO QC No.: 0479-QC*

#### *Calibration Check*

<i>Parameter</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>&lt;5.0</i>	<i>ppm</i>	<i>2,000</i>	<i>1,931</i>	<i>3.4</i>	<i>15%</i>

#### *Matrix Spike*

<i>Parameter</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>111</i>	<i>121</i>	<i>(70-130)</i>	<i>6</i>	<i>20%</i>

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

Approved by: *[Signature]*  
Date: *7/26/96*

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*TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT*

NYE 3A  
Meridian  
Sec. 01-30N-11W

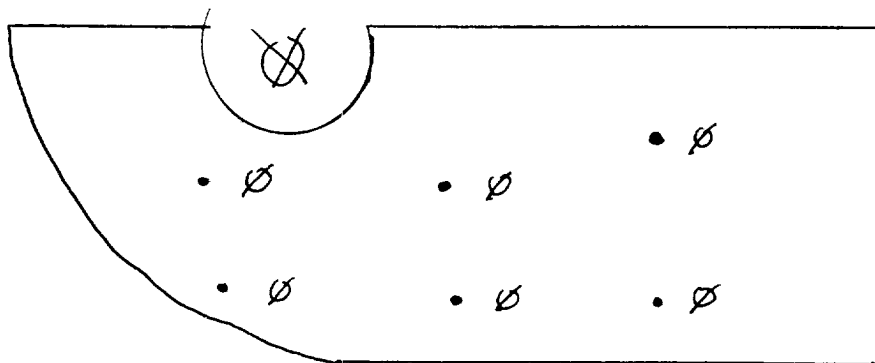
July 24, 1996

Land Farm: NYE #8  
107 Yards

Composite Sample #: 9607240730

Soil Vapor Head-Space Reading = 2.1 ppm (PID)

Sample depths between 2" and 12"



OFF: (505) 325-5667



FAB: (505) 325-1556

### *Diesel Range Organics*

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

Date: *25-Jul-96*  
COC No.: *4918*  
Sample No. *11584*  
Job No. *2-1000*

Project Name: *PNM Gas Services - Nye #8 Landfarm*  
Project Location: *9607240930: 6pt. Composite, 2"-12" depth*  
Sampled by: *GC* Date: *24-Jul-96* Time: *9:30*  
Analyzed by: *HR* Date: *25-Jul-96*  
Sample Matrix: *Soil*

### *Laboratory Analysis*

<i>Parameter</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>&lt; 5.0</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

### *Quality Assurance Report*

DRO QC No.: *0479-QC*

#### *Calibration Check*

<i>Parameter</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>&lt; 5.0</i>	<i>ppm</i>	<i>2,000</i>	<i>1,931</i>	<i>3.4</i>	<i>15%</i>

#### *Matrix Spike*

<i>Parameter</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>111</i>	<i>121</i>	<i>(70-130)</i>	<i>6</i>	<i>20%</i>

**Method** - SW-845 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: *[Signature]*  
Date: *7/26/96*

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