

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

District II  
P.O. Drawer 100, Artesia, NM 88221

District III  
1000 Rio Brazos Rd. Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Street  
Santa Fe, New Mexico 87505

RECEIVED  
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OIL CONSERVATION DIV.  
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SUBMIT 1 COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICE

OCT 19 1996

OIL & GAS INSPECTOR

PIT REMEDIATION AND CLOSURE REPORT

<b>Operator:</b> PNM Gas Services ( Amoco )		<b>Telephone:</b> 324-3764	
<b>Address:</b> 603 W. Elm Street Farmington, NM 87401			
<b>Facility or Well Name:</b> Linda Nye #1			
<b>Location:</b>	Unit: B	Sec. 20	T. 30 N R. 8 W County San Juan
<b>Pit Type:</b>	Separator	Dehydrator <input checked="" type="checkbox"/>	Other No
<b>Land Type:</b>	BLM <input checked="" type="checkbox"/>	State	Fee Other No
<b>Pit Location:</b> Pit dimensions: length 12 width 11 depth 2			
(Attach diagram)	<b>Reference:</b> wellhead <input checked="" type="checkbox"/> other		
<b>Footage from reference:</b> 104'			
<b>Direction from reference:</b> 20 Degrees East North of West South <input checked="" type="checkbox"/>			
<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

<b>Date Remediation Started:</b> <u>9/28/94</u>		<b>Date Completed:</b> <u>11/16/94</u>	
<b>Remediation Method:</b>  (Check all appropriate sections)	Excavation <u>X</u>	Approx. Cubic Yard <u>454</u>	
	Landfarmed <u>X</u>	Amount Landfarmed (cubic yds) <u>454</u>	
	Other _____		
<b>Remediation Location:</b> Onsite <u>X</u>		Offsite _____	
(i.e., landfarmed onsite, name and location of offsite facility)			
<b>Backfill Material Location:</b> _____			
<b>General Description of Remedial Action:</b>			
Excavated contaminated soil 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.			
_____			
_____			
_____			
_____			
<b>Ground Water Encountered:</b> No <u>✓</u> Yes <u>-</u> Depth _____			
<b>Final Pit Closure Sampling:</b>			
(if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample Location <u>Center of pit bottom</u>		
	Sample depth <u>14'</u>		
	Sample date <u>11/16/94</u>	Sample time <u>10:45:00 AM</u>	
	Sample Results		
	Benzene (ppm) <u>ND</u>		
	Total BTEX (ppm) <u>2.3279</u>		
	Field headspace (ppm) _____		
	TPH <u>159.00</u>	Method <u>418.1</u>	
Vertical Extent (ft) _____		Risk Assessment form attached Yes <u>-</u> No <u>✓</u>	
<b>Ground Water Sample:</b> Yes <u>-</u> No <u>✓</u>		(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 <u>7-26-96</u>		PRINTED NAME	
SIGNATURE <u>Linda Nye</u>		AND TITLE	

## VOLATILE AROMATIC HYDROCARBONS

### Gas Company of New Mexico

Project ID:	Pit Pilot Project	Report Date:	11/28/94
Sample ID:	Linda Nye - 1 - 4 - S	Date Sampled:	11/16/94
Lab ID:	0452	Date Received:	11/16/94
Sample Matrix:	Soil	Date Extracted:	11/22/94
Preservative:	Cool	Date Analyzed:	11/22/94
Condition:	Intact		

Target Analyte	Concentration (ug/kg)	Detection Limit (ug/kg)
Benzene	ND	58.4
Toluene	86.3	58.4
Ethylbenzene	78.6	58.4
m,p-Xylenes	1,570	117
o-Xylene	593	58.4

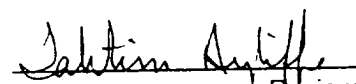
ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	97	81 -117%
	Bromofluorobenzene	99	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics;  
Test Methods for Evaluating Solid Wastes, SW-846, United States  
Environmental Protection Agency, Final Update I, July, 1992.

**Comments:**

  
Analyst

  
Review

**TOTAL PETROLEUM HYDROCARBONS**  
EPA Method 418.1

Gas Company of New Mexico

Project ID: Pit Pilot Project  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Intact

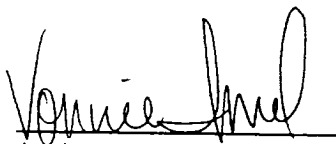
Report Date: 11/28/94  
Date Sampled: 11/16/94  
Date Received: 11/16/94  
Date Extracted: 11/23/94  
Date Analyzed: 11/23/94

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Linda Nye 1 4S	0452	159 ✓	25.0
Linda Nye 1 Drip 6 - S	0454	ND	24.1

ND- Analyte not detected at the stated detection limit.

**Reference:** Method 3550 - Sonication Extraction; Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, September, 1986;  
Method 418.1 - Petroleum Hydrocarbons, Total Recoverable; Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 1978.

**Comments:**

  
Analyst

  
Review

## VOLATILE AROMATIC HYDROCARBONS

### Gas Company of New Mexico

Project ID:	Pit Pilot Project	Report Date:	11/28/94
Sample ID:	Linda Nye 1 - 5 - LF	Date Sampled:	11/16/94
Lab ID:	0453	Date Received:	11/16/94
Sample Matrix:	Soil	Date Extracted:	11/21/94
Preservative:	Cool	Date Analyzed:	11/21/94
Condition:	Intact		

Target Analyte	Concentration (ug/kg)	Detection Limit (ug/kg)
Benzene	ND	80.6
Toluene	187	80.6
Ethylbenzene	118	80.6
m,p-Xylenes	8,960	161
o-Xylene	2,490	80.6

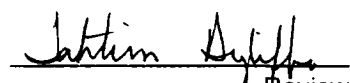
ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	99	81 -117%
	Bromofluorobenzene	99	74 -121%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics;  
Test Methods for Evaluating Solid Wastes, SW-846, United States  
Environmental Protection Agency, Final Update I, July, 1992.

**Comments:**

  
Analyst

  
Review

**TOTAL PETROLEUM HYDROCARBONS**  
**EPA Method 418.1**

**Gas Company of New Mexico**

Project ID: Pit Pilot Project  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Intact

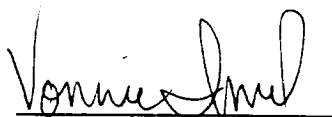
Report Date: 11/28/94  
Date Sampled: 11/16/94  
Date Received: 11/16/94  
Date Extracted: 11/22/94  
Date Analyzed: 11/22/94


Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Linda Nye 1 5 LF	0453	343	84.3
Linda Nye 1 Drip 7LF	0455	ND	23.9

ND- Analyte not detected at the stated detection limit.

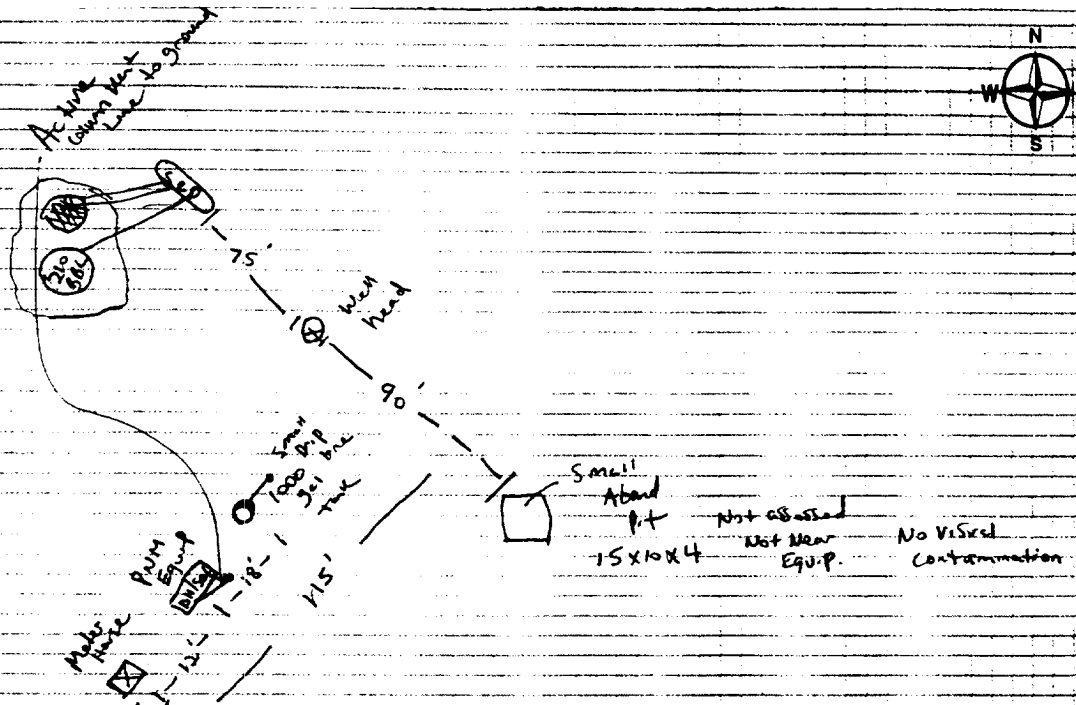
**Reference:** Method 3550 - Sonication Extraction; Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, September, 1986;  
Method 418.1 - Petroleum Hydrocarbons, Total Recoverable; Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 1978.

**Comments:**

  
Analyst

  
Review

Site Map:



Assessor's Signature

*[Handwritten Signature]*

1/3/96