

District I
 P O Box 1900 Hobbs NM
Denny E. Faust
 DEPUTY OIL & GAS INSPECTOR

State of New Mexico
 Energy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION

District III
 1000 Rio Brazos Road, Santa Fe, NM 87410
 MAR 28 1997

2040 South Pacheco Street
 Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

Approved

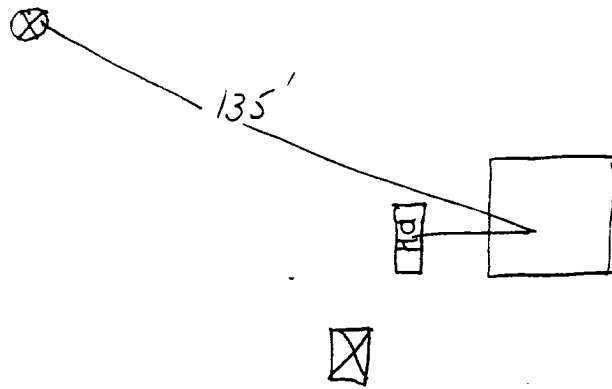
Operator: PNM Gas Services (Amoco)		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: Kutz Federal #11			
Location:	Unit: <u>N</u>	Sec. <u>20</u>	T. <u>28 N</u> R. <u>10 W</u> County <u>San Juan</u>
Pit Type:	Separator <input checked="" type="checkbox"/>	Dehydrator <input checked="" type="checkbox"/>	Other _____
Land Type:	BLM <input checked="" type="checkbox"/>	State _____	Fee _____ Other _____
Pit Location:	Pit dimensions: length <u>15</u> ' width <u>15</u> ' depth <u>3</u> '		
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other _____		
	Footage from reference: <u>135'</u>		
	Direction from reference: <u>30</u> Degrees <input checked="" type="checkbox"/> East North _____		
	_____ West South <input checked="" type="checkbox"/>		
Depth to Ground Water:	Less than 50 feet (20 points)		0
	50 feet to 99 feet (10 points)		
(Vertical distance from contaminants to seasonal high water elevation of ground water)	Greater than 100 feet (0 points)		
Wellhead Protection Area:	Yes (20 points)		0
(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)	No (0 points)		
Distance to Surface Water:	Less than 200 feet (20 points)		0
	200 feet to 1,000 feet (10 points)		
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Greater than 1,000 feet (0 points)		
RANKING SCORE (TOTAL POINTS):			0

RECEIVED
 JAN 24 1997
 OIL CON. DIV.
 DIST. 3

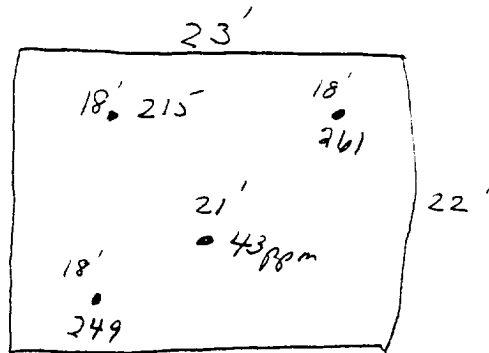
Kutz Federal # 11
Amoco
Sec. 20, 28N, 10W, Unit N

30° E of S

Pit start of Excavation:



Excavated pit: 23 x 22 x 18'





Diesel Range Organics

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

Date: *4-Oct-96*
 COC No.: *5051*
 Sample No. *12411*
 Job No. *2-1000*

Project Name: ***PNM Gas Services - Kutz Federal #11***
 Project Location: ***9610010900; 3pt. Composite, Bottom @ 21'***
 Sampled by: GC Date: *1-Oct-96* Time: *9:00*
 Analyzed by: DC/BV Date: *4-Oct-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>	140.1	mg/kg	5.0	mg/kg

Quality Assurance Report

DRO QC No.: 0489-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>	<5.0	ppm	100	110	10.3	15%

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>	112	103	(70-130)	6	20%

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

Approved by: 
 Date: *10/4/96*

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: *2-Oct-96*
 COC No.: *5051*
 Sample No.: *12411*
 Job No.: *2-1000*

Project Name: *PNM Gas Services - Kutz Federal #11*
 Project Location: *9610010900; 3pt. Composite, Bottom @ 21'*
 Sampled by: *GC* Date: *1-Oct-96* Time: *9:00*
 Analyzed by: *DC* Date: *2-Oct-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>Benzene</i>	<i>17.0</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>34.2</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>223.1</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>2177.9</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>583.7</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
	<i>TOTAL</i>	<i>3035.9</i>		<i>ug/kg</i>

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

Approved by: *[Signature]*
 Date: *10/2/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -



Diesel Range Organics

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

Date: *4-Oct-96*
 COC No.: *5051*
 Sample No. *12412*
 Job No. *2-1000*

Project Name: *PNM Gas Services - Kutz Federal #11*
 Project Location: *9610010910; 4pt. Composite, Walls @ 16'*
 Sampled by: *GC* Date: *1-Oct-96* Time: *9:10*
 Analyzed by: *DC/BV* Date: *4-Oct-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>128.6</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

DRO QC No.: 0489-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><5.0</i>	<i>ppm</i>	<i>100</i>	<i>110</i>	<i>10.3</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>112</i>	<i>103</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: 
 Date: *10/4/96*

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: 2-Oct-96
 COC No.: 5051
 Sample No.: 12412
 Job No.: 2-1000

Project Name: **PNM Gas Services - Kutz Federal #11**
 Project Location: **9610010910; 4pt. Composite, Walls @ 16'**
 Sampled by: GC Date: 1-Oct-96 Time: 9:10
 Analyzed by: DC Date: 2-Oct-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>Benzene</i>	<0.2	ug/kg	0.2	ug/kg
<i>Toluene</i>	16.4	ug/kg	0.2	ug/kg
<i>Ethylbenzene</i>	30.9	ug/kg	0.2	ug/kg
<i>m,p-Xylene</i>	216.2	ug/kg	0.2	ug/kg
<i>o-Xylene</i>	92.8	ug/kg	0.2	ug/kg
<i>TOTAL</i>	356.3	ug/kg		

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

Approved by: *[Signature]*
 Date: 10/2/96

Rutz Federal #11

11-12-96

Amoco

Sec. 20, 28N, 10W

Landfarm : On-location

Composite sample # 9611121035

Soil vapor headspace PID reading = 16.9 ppm



3"-12" depth



Diesel Range Organics

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

Date: *14-Nov-96*
 COC No.: *5125*
 Sample No. *12848*
 Job No. *2-1000*

Project Name: *PNM Gas Services - Kutz Federal #1| Landfarm*
 Project Location: *9611121035; 6pt. Composite, 2"-12" depth*
 Sampled by: *GC* Date: *12-Nov-96* Time: *10:35*
 Analyzed by: *DC/HR* Date: *13-Nov-96*
 Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
<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.: *0512-QC*

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
<i>Diesel Range (C10 - C28)</i>	<i><5.0</i>	<i>ppm</i>	<i>100</i>	<i>100</i>	<i>0.5</i>	<i>15%</i>

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
<i>Diesel Range (C10-C28)</i>	<i>100</i>	<i>104</i>	<i>(70-130)</i>	<i>3</i>	<i>20%</i>

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

Approved by: *[Signature]*
 Date: *11/14/96*