

DEPUTY OIL & GAS INSPECTOR
JUL 18 1997

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

2040 South Pacheco Street
Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Amoco) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Kutz Deep Gas Com D #1E

Location: Unit: 1 Sec: 27 T: 28 N R: 10 W County: San Juan

Pit Type: Separator Dehydrator ☒ Other

Land Type: BLM ☒ State Fee Other

Pit Location: Pit dimensions: length 15 width 15 depth 3

(Attach diagram) Reference: wellhead ☒ other

Footage from reference: 60'

Direction from reference: 30 Degrees ☒ East North
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

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

Date Remediation Started: 10/10/96 Date Completed: 10/17/96Remediation Method: Excavation X Approx. Cubic Yard 175(Check all appropriate sections) Landfarmed X Amount Landfarmed (cubic yds) 175

Other _____

Remediation Location: Onsite X Offsite _____

(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 15'x15'x21' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerated by plowing 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 21'Sample date 10/14/96 Sample time 12:45:00 PM

Sample Results

Benzene (ppm) 0.0009Total BTEX (ppm) 0.0120

Field headspace (ppm) _____

TPH < 5.00 Method 8020Vertical Extent (ft) 21' Risk Assessment form attached Yes _____ No _____Ground Water Sample: Yes _____ No ✓ (If yes, see attached Groundwater Site Summary Report)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

DATE April 28, 1997

SIGNATURE

PRINTED NAME AND TITLE Denver Bearden
Administrator III

10-10-96

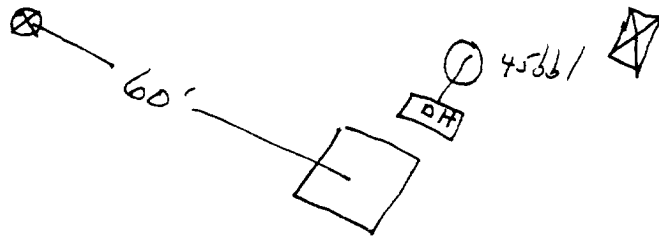
Kutz Deep Gas Com D-1E

Amoco Production Co.

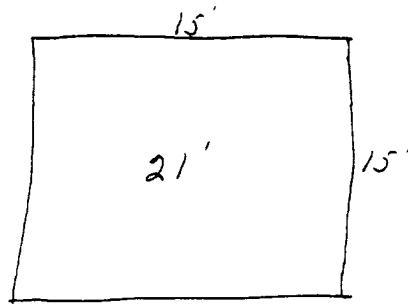
Sec. 27 - T28N - R10W, Unit "I"

30° E of S

Start of excavation:



Excavated Pit: $15' \times 15' \times 21' = 175 \text{ yds.}$



OFF: (505) 325-5007



LAB: (505) 325-1556

Diesel Range Organics

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

Date: *17-Oct-96*
COC No.: *5070*
Sample No.: *12586*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Kutz Federal Gas Com "D" 1E*
Project Location: *9610141245; 5pt. Composite, Walls @ 18' and Bottom @ 21'*
Sampled by: *GC* Date: *14-Oct-96* Time: *12:45*
Analyzed by: *DC/HR* Date: *17-Oct-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.: *0489-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>99</i>	<i>0.7</i>	<i>15%</i>

Matrix Spike

Parameter	1- Percent Recovered	2- Percent Recovered	Limit	%RSD	Limit
<i>Diesel Range (C10-C28)</i>	<i>105</i>	<i>114</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: *10/17/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

TELEPHONE: (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: *17-Oct-96*
COC No.: *5070*
Sample No.: *12586*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Kutz Federal Gas Com "D" 1E*
Project Location: *9610141245; 5pt. Composite, Walls @ 18' and Bottom @ 21'*
Sampled by: *GC* Date: *14-Oct-96* Time: *12:45*
Analyzed by: *DC* Date: *16-Oct-96*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Benzene	0.9	ug/kg	0.2	ug/kg
Toluene	3.1	ug/kg	0.2	ug/kg
Ethylbenzene	0.9	ug/kg	0.2	ug/kg
m,p-Xylene	5.6	ug/kg	0.2	ug/kg
o-Xylene	1.5	ug/kg	0.2	ug/kg
	TOTAL	12.0		ug/kg

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

Approved by: *[Signature]*
Date: *10/17/96*

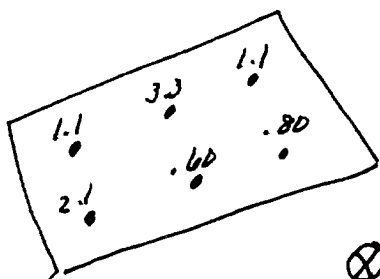
P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Kutz Deep Gas Com. "D" 1E
Amoco
Sec. 27, 28N, 10W

12-26-96

Landfarm: On location
Composite sample # 9612261100
Soil vapor headspace PID reading = 21.3 ppm



2" - 12" depth



Diesel Range Organics

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

Date: *31-Dec-96*
COC No.: *5105*
Sample No. *13258*
Job No. *2-1000*

Project Name: *PNM Gas Services - Kutz Deep Gas Com D #1E Landfarm*
Project Location: *9612261100; 6pt. Composite, 2"-12" deep*
Sampled by: GC Date: *26-Dec-96* Time: *11:00*
Analyzed by: HR Date: *30-Dec-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>< 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

<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>98</i>	<i>1.6</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>123</i>	<i>106</i>	<i>(70-130)</i>	<i>11</i>	<i>20%</i>

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

Approved by: 
Date: *12/31/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BUILDING INDUSTRY WITH THE ENVIRONMENT -