

*Denny S. Frost*  
DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE

ENVIRONMENTAL PROTECTION OFFICE

JUN 23 1998

P.O. BOX 507  
DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO  
NATURAL  
RESOURCE DEPT  
AND OIL GAS  
ADMINISTRATION

**PIT REMEDIATION AND CLOSURE REPORT**

*Approved*

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

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Arizona Jicarilla A-5 Drip (12-31-03)

Location: Unit: D Sec. 13 T. 25 N R. 4 W County Rio Arriba

Pit Type: Separator      Dehydrator      Other Line Drip

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 22' width 20' depth 14'

(Attach diagram) Reference: wellhead      other Drip Riser

Footage from reference: 21'

Direction from reference: Straight Degrees      East      North     

     West      of South X

**Depth to Ground Water:**

(Vertical distance from contaminants to seasonal high water elevation of ground water)

Less than 50 feet	(20 points)	<u>0</u>
50 feet to 99 feet	(10 points)	<u>0</u>
Greater than 100 feet	(0 points)	<u>0</u>

**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)	<u>0</u>
No	(0 points)	<u>0</u>

**Distance to Surface Water:**

(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)

Less than 200 feet	(20 points)	<u>0</u>
200 feet to 1,000 feet	(10 points)	<u>0</u>
Greater than 1,000 feet	(0 points)	<u>0</u>

**Distance to Ephemeral Stream (dry wash):**

(Horizontal distance to all downgradient streams having a width of at least 10 feet)

Less than or equal to 100 feet	(10 points)	<u>10</u>
Greater than 100 feet	(0 points)	<u>0</u>

**Distance to Nearest Lake, Playa, or Watering Pond:**

(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)

Less than or equal to 100 feet	(10 points)	<u>0</u>
Greater than 100 feet	(0 points)	<u>0</u>

**RANKING SCORE (TOTAL POINTS):**

10

Date Remediation Started:

10/7/97

Date Completed:

11/20/97

Remediation Method:

Excavation

X

Approx. Cubic Yards

170

(Check all appropriate sections)

Landfarmed

X

Amount Landfarmed (cubic yds):

170

Other \_\_\_\_\_

Remediation Location:

Onsite \_\_\_\_\_

Offsite

TNT Landfarm

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

Schmitz Ranch, N.M.

## General Description of Remedial Action:

Removed contaminated soil from all four side walls and pit bottom as to get a below 100 ppm head space reading.

Ground Water Encountered:

No

X

Yes \_\_\_\_\_

Depth \_\_\_\_\_

## Final Pit Closure Sampling:

Sample Location

North, East, South, West side walls and bottom of pit

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample depth

14'

Sample date

10/7/97

Sample time

1434

## Sample Results

Soil: Benzene (ppm) \_\_\_\_\_

Water: Benzene (ppb) \_\_\_\_\_

Total BTEX (ppm) \_\_\_\_\_

Toluene (ppb) \_\_\_\_\_

Field headspace (ppm) 84.4

Ethylbenzene (ppb) \_\_\_\_\_

TPH 159 ppm Method 8015

Total Xylenes (ppb) \_\_\_\_\_

Ground Water Sample:

Yes \_\_\_\_\_

No

X

(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

10/10/97

PRINTED NAME

Ronald A. Dedrick

SIGNATURE

Ronald A. Dedrick

AND TITLE

Environmental Technician II

AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES

X

NO \_\_\_\_\_

(REASON): \_\_\_\_\_


SIGNED:

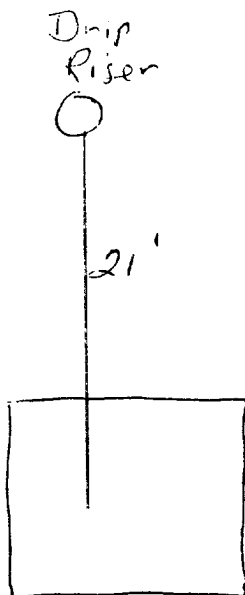
Kenn C. Mamm

DATE:

10-14-97

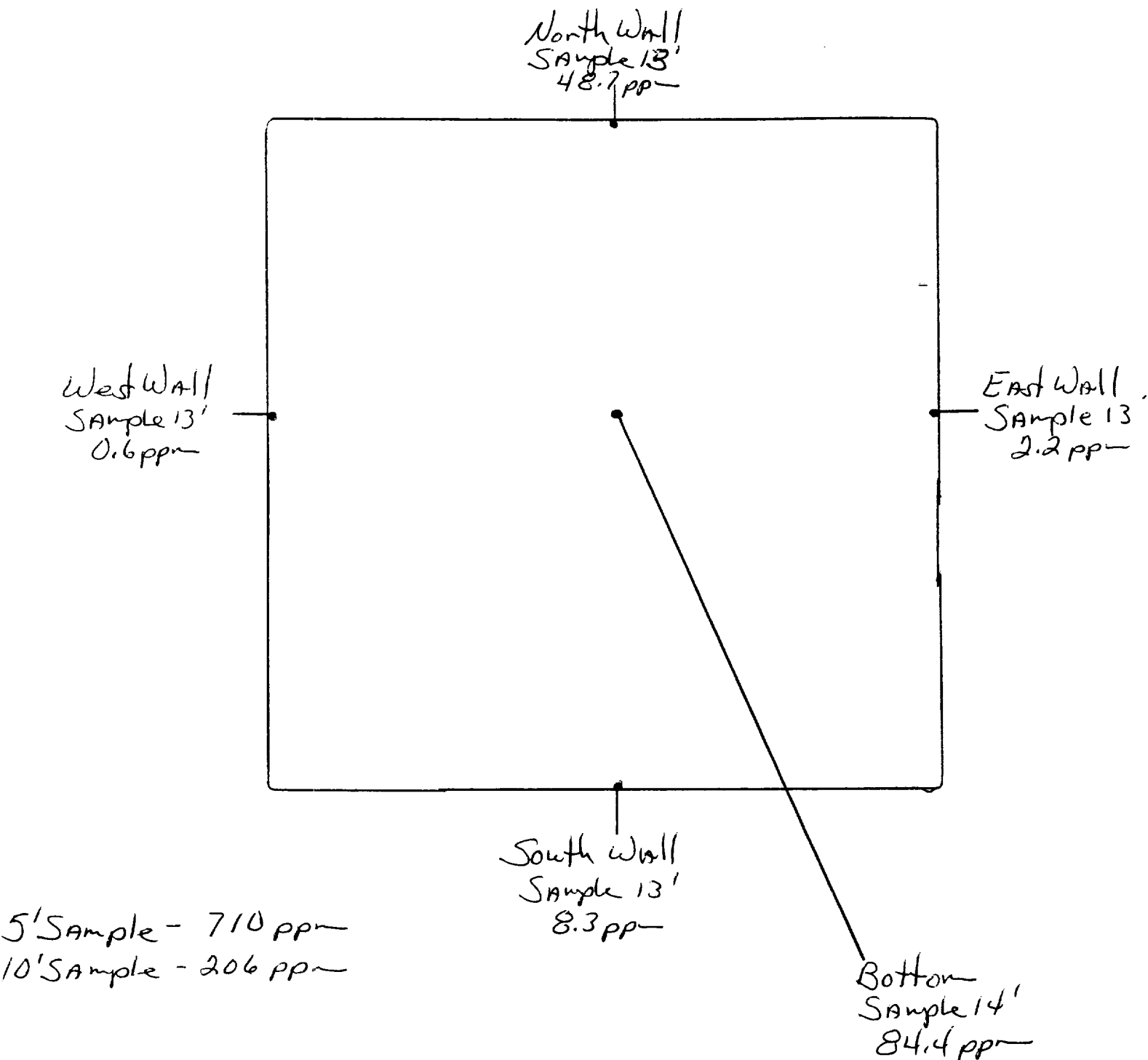
Arizona Ticanilla A-5 Drip  
Sec 13 T25N R4W Unit D  
WFS

Drip  
Column  




Arizona Ticanilla A-5 Drip  
Sec. 13 T26N R4W Unit D  
WFS

22' x 20' x 14'



OFF: (505) 325-5667



LAB: (505) 325-1556

### ANALYTICAL REPORT

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

Date: *10-Oct-97*  
COC No.: *5616*  
Sample No.: *16533*  
Job No.: *2-1000*

Project Name: *PNM Gas Services - Arizona Jicarilla A-5 Drip*

Project Location: *9710071434; 5pt. Composite*

Sampled by: *SA* Date: *7-Oct-97* Time: *14:34*

Analyzed by: *DC/HR* Date: *9-Oct-97*

Sample Matrix: *Soil*

#### Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	<i>159</i>	<i>mg/kg</i>	<i>5</i>	<i>mg/kg</i>

ND - Not Detected at Limit of Quantitation

#### Quality Assurance Report

DRO QC No.: 0555-STD

#### Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	<i>ND</i>	<i>ppm</i>	<i>200</i>	<i>202</i>	<i>1.0</i>	<i>15%</i>

#### Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>103</i>	<i>104</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: *10/10/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

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