

Denny E. Frost
DEPUTY OIL & GAS INSPECTOR

JUN 23 1998

JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507
DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Jicarilla E-12
Location: Unit: K Sec. 22 T. 24 N R. 4 W County Rio Arriba
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 11' width 10' depth 5'
(Attach diagram) Reference: wellhead ☒ other ☐
Footage from reference: 90'
Direction from reference: Straight Degrees ☒ East North ☐
West South ☐

Depth to Ground Water:

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

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 points)

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)
No (0 points)

Distance to Surface Water:

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

Less than 200 feet (20 points)
200 feet to 1,000 feet (10 points)
Greater than 1,000 feet (0 points)

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)
Greater than 100 feet (0 points)

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)
Greater than 100 feet (0 points)

RANKING SCORE (TOTAL POINTS):

Date Remediation Started:

9/4/97

Date Completed:

11/5/97

Remediation Method:

Excavation ☒

Approx. Cubic Yards

20

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds):

20

Other _____

Remediation Location:

Onsite _____

Offsite

TNT Landfarm
Summit Ranch, N.M.

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

General Description of Remedial Action:

Removed contaminated soil from all four side walls
As to get a below 100 ppm head space reading
Bottom is rock

Ground Water Encountered:

No ☒

Yes _____

Depth _____

Final Pit Closure

Sampling:

Sample Location

North, East, South, and West
side walls

Sample depth

4'

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

Sample date

9/4/97

Sample time

1401

Sample Results

Soil: Benzene (ppm)

ND

Water: Benzene (ppb)

Total BTEX (ppm)

0.001

Toluene (ppb)

Field headspace (ppm)

49.1

Ethylbenzene (ppb)

TPH

10
ND ppm

Method

SC15

Total Xylenes (ppb)

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

9/11/97

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 ☒

NO _____

(REASON):

Spent + close

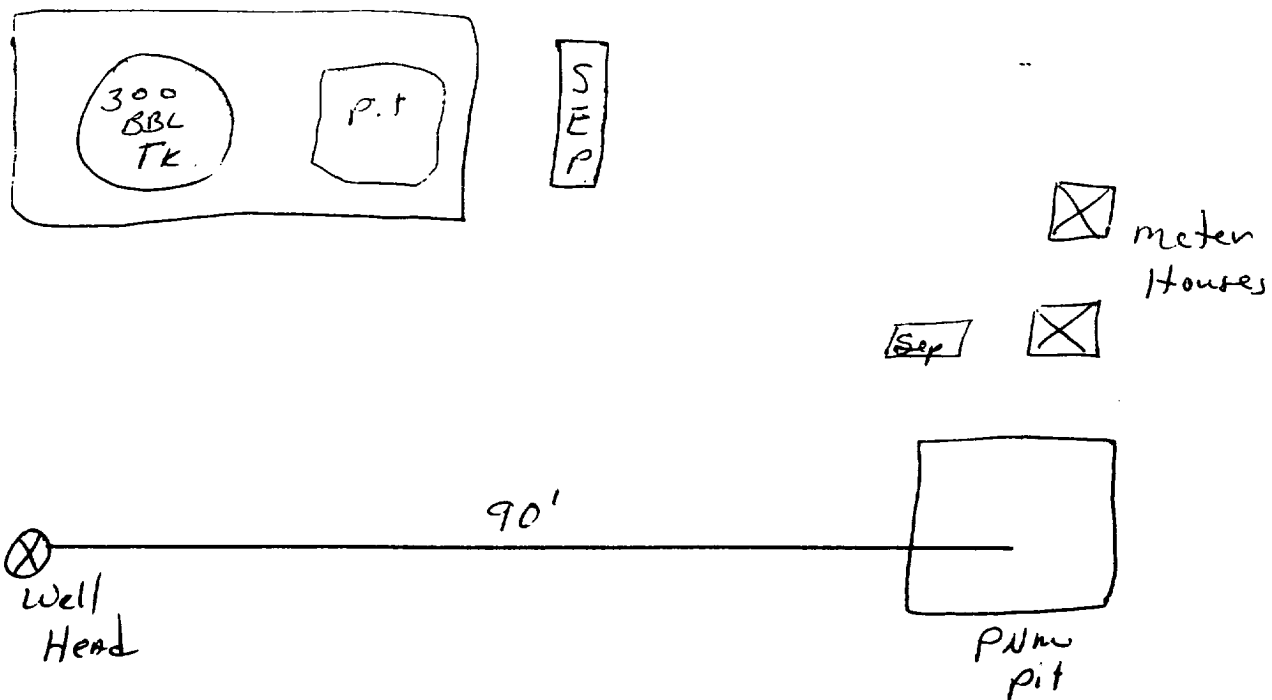
SIGNED:

Ken C. Marshall

DATE:

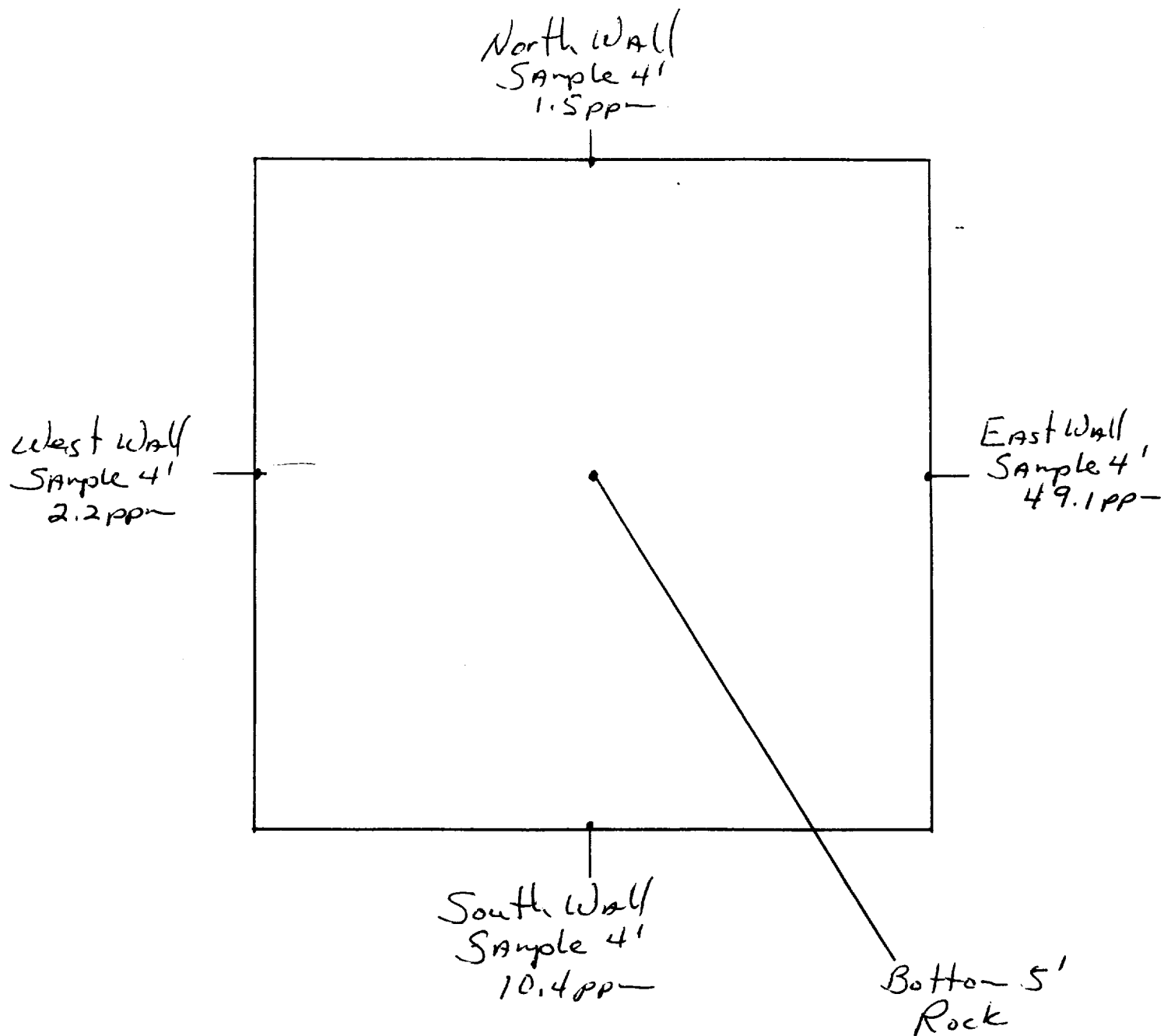
9-18-97

Jicarilla E-12
Sec. 22 T26N R4W Unit K
Conoco



Jicarilla E-12
Sec. 22 T26N R4W Unit K
Conoco

11' x 10' x 5'



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-Sep-97*
COC No.: *5577*
Sample No.: *16048*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Jicarilla E-12*
Project Location: *9709041401; 4pt. Composite*
Sampled by: *SA* Date: *4-Sep-97* Time: *14:01*
Analyzed by: *DC/HR* Date: *8-Sep-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>10</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>190</i>	<i>5.1</i>	<i>15%</i>

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>82</i>	<i>77</i>	<i>(70-130)</i>	<i>6</i>	<i>20%</i>

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

Approved by: *Heidi Reese*
Date: *9/10/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

OFF: (505) 325-5667



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ANALYTICAL REPORT

Attn: *Denver Bearden*
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Address: *603 W. Elm*
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Date: *8-Sep-97*
COC No.: *5577*
Sample No.: *16048*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Jicarilla E-12*
Project Location: *9709041401; 4pt. Composite*
Sampled by: *SA* Date: *4-Sep-97* Time: *14:01*
Analyzed by: *DC* Date: *5-Sep-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	1	ug/kg
<i>Toluene</i>	ND	ug/kg	1	ug/kg
<i>Ethylbenzene</i>	ND	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	1	ug/kg	1	ug/kg
<i>o-Xylene</i>	ND	ug/kg	1	ug/kg
<i>TOTAL</i>	1	ug/kg		

ND - Not Detected at Limit of Quantitation

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

Approved by: *[Signature]*
Date: *9/8/97*