

DEPUTY OIL & GAS INSPECTOR

JUN 23 1998

QUICARILLA 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 (Chateau) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Jenny 1M

Location: Unit: P Sec. 13 T. 24 N R. 4 W County Rio Arriba

Pit Type: Separator Dehydrator X X Other _____

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 37' width 24' depth 5'

(Attach diagram) Reference: wellhead ☒ other ☐

Footage from reference: 87

Direction from reference: 45 Degrees East North
 West \leftarrow of 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: OIL CON. DIV.

(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: 9/9/97 Date Completed: 11/5/97

Remediation Method: Excavation X Approx. Cubic Yards 178

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 178

Other _____

Remediation Location: Onsite 158 cu yds Offsite 200 cu yds
(i.e., landfarmed onsite, name and location of offsite facility) TAT Landfarm
Schmitz Ranch, N.M.

General Description of Remedial Action:

Removed contaminated soil from all four side
walls as to get it below 100 ppm head space
needed. Bottom is rock.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling:

Sample Location North, East, South, and West
side walls

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

Sample depth 4'

Sample date 9/9/97 Sample time 16:25

Sample Results

Soil: Benzene (ppm) ND Water: Benzene (ppb) _____

Total BTEX (ppm) ND Toluene (ppb) _____

Field headspace (ppm) 90.7 Ethylbenzene (ppb) _____

TPH ND ppm Method GC/MS 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 9/18/97 PRINTED NAME Ronald A. Dedrick

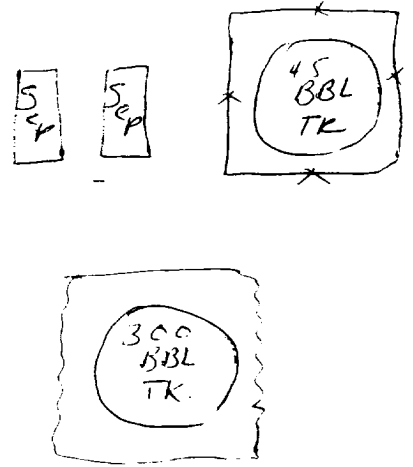
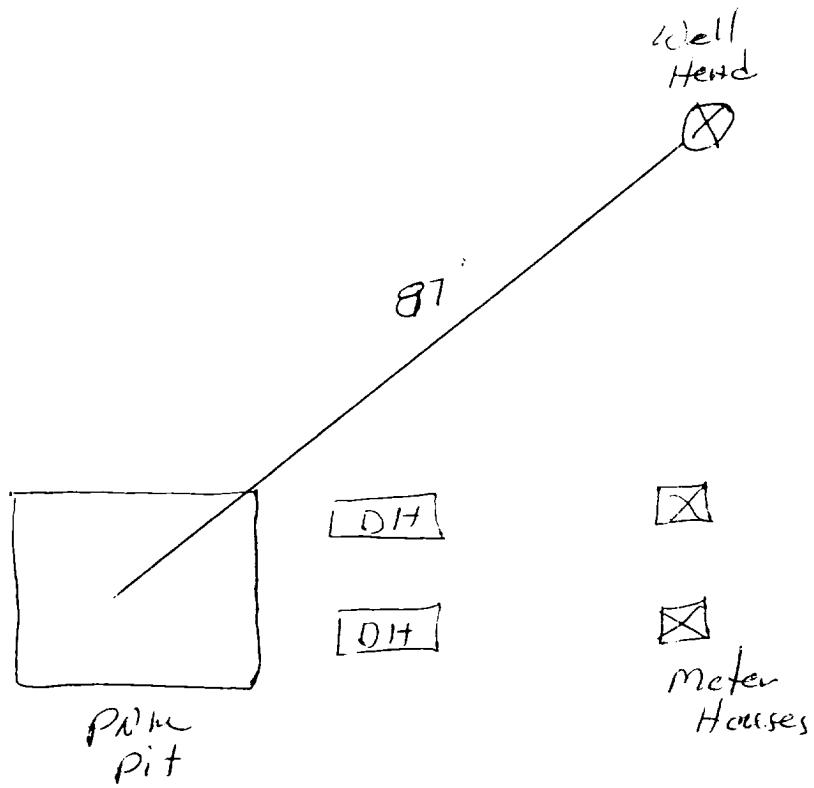
SIGNATURE Ronald A. Dedrick AND TITLE Environmental Technician II

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: Karl M. Mann DATE: 9-30-97

Jenny 1M
Sec. 13 T26N R4W Unit P
Chateau



Jenny 1 M
Sec 13 T26N R4W Unit P
Chateau

37'x26'x5'

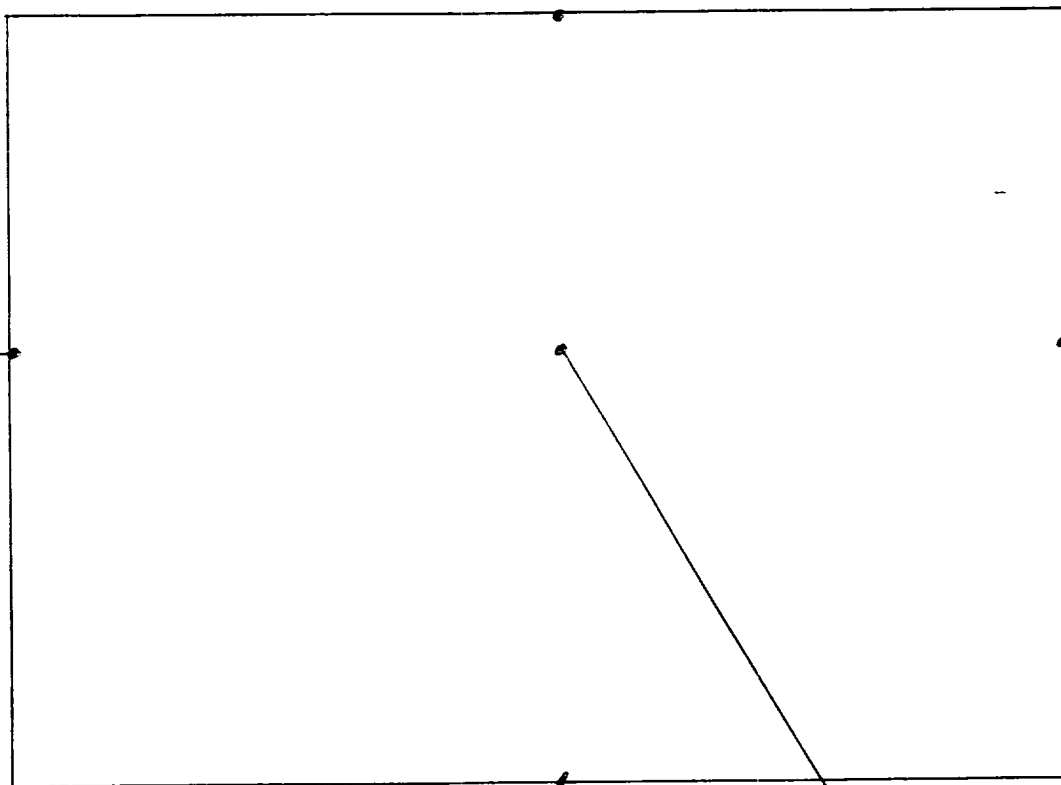
North Wall
Sample 4'
11.3 ppm

West Wall
Sample 4'
1.5 ppm

East Wall
Sample 4'
90.7 ppm

South Wall
Sample 4'
67.3 ppm

Bottom 5'
Rock



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: *18-Sep-97*
COC No.: *5585*
Sample No.: *16146*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Jenny 1M*
Project Location: *9709091625; 4pt. Composite*
Sampled by: *MT* Date: *9-Sep-97* Time: *16:25*
Analyzed by: *DC/HR* Date: *17-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>	ND	mg/kg	5	mg/kg

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>	ND	ppm	200	177	12.5	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	87	88	(70-130)	1	20%

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

Approved by: *[Signature]*
Date: *9/18/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

HELPING THE OIL AND GAS EXPLORATION INDUSTRY WITH THE LATEST EQUIPMENT

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: *17-Sep-97*
COC No.: *5585*
Sample No.: *16146*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Jenny 1M*
Project Location: *9709091625; 4pt. Composite*
Sampled by: *MT* Date: *9-Sep-97* Time: *16:25*
Analyzed by: *DC* Date: *11-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>	ND	ug/kg	1	ug/kg
<i>o-Xylene</i>	ND	ug/kg	1	ug/kg
	<i>TOTAL</i>	ND		ug/kg

ND - Not Detected at Limit of Quantitation

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

Approved by: *Jack*
Date: *9/17/97*

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• THE FARMINGTON ENVIRONMENTAL MONITORING AND ANALYSIS CENTER •

JICARILLA APACHE TRIBE
ENVIRONMENTAL
PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

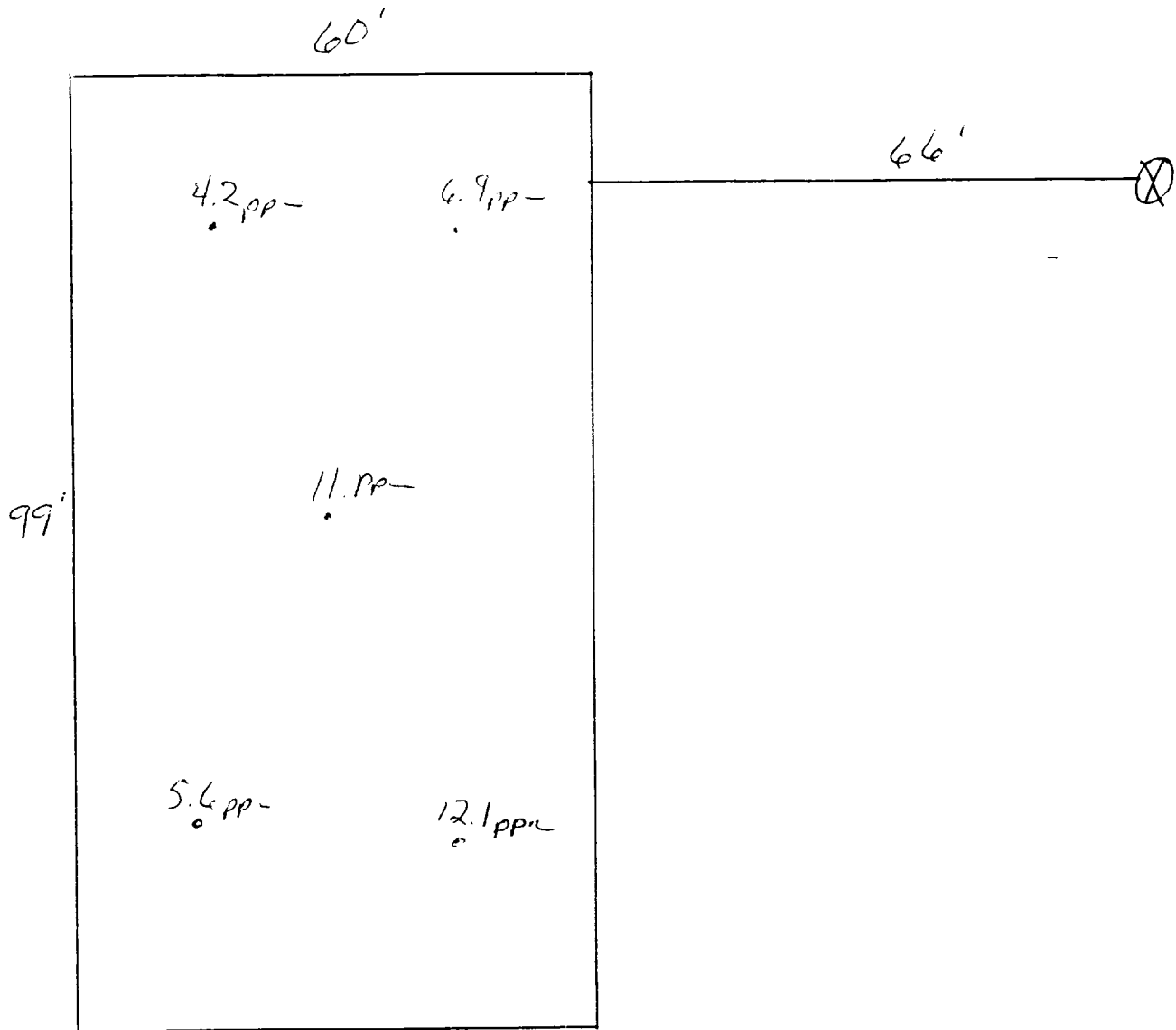
SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL-GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (Chattanooga) Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401	
Facility or Well Name: Jenny 1 M	
Location: Unit: P Sec. 13 T. 24 N R. 4 W County Rio Arriba	
Land Type: Jicarilla Apache	
Date Remediation Started: 9/9/97 Date Completed: 9/26/97	
Remediation Method: Landfarmed X Approx. cubic yards 158	
Composted	
Other	
Depth to Ground Water: (pts.)	Final Closure Sampling:
Distance to an Ephemeral Stream: (pts.)	Sampling Date: 9/24/97 Time 1252
Distance to Nearest Lake, Playa, or Watering Pond: (pts.)	Sampling Results:
Wellhead Protection Area: (pts.)	Field Headspace (ppm) 12.1
Distance to Surface Water: (pts.)	TPH (ppm) 7 Method GC/MS
Other	
Ranking Score (Total Points):	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE 9/30/97	PRINTED NAME Ronald A. Dedrick
SIGNATURE Ronald A. Dedrick	AND TITLE Environmental Technician II
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE	
APPROVED: YES X NO	(REASON) was as Backfill
SIGNED: [Signature]	DATE: 9-30-97

Jenny 107
Sec. 13 T26N R4W Unit P
Chateau

Land farm



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: *30-Sep-97*
COC No.: *5601*
Sample No.: *16337*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Jenny 1M Landfarm*
Project Location: *9709241252; 5pt. Composite*
Sampled by: *RB* Date: *24-Sep-97* Time: *12:52*
Analyzed by: *HR/DC* Date: *26-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>7</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>180</i>	<i>10.5</i>	<i>15%</i>

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	<i>84</i>	<i>92</i>	<i>(70-130)</i>	<i>9</i>	<i>20%</i>

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

Approved by: *[Signature]*
Date: *9/30/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

• JOINING OF SLEEPING INDUSTRY WITH THE ENVIRONMENT •