

Kenny S. Frost  
DEPUTY OIL & GAS INSPECTOR

MAR 28 1997

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

*Approved*  
**PIT REMEDIATION AND CLOSURE REPORT**

Operator: PNM Gas Services ( <u>Conoco</u> ) Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>	
Facility or Well Name: <u>Jicarilla D-11</u>	
Location:	Unit: <u>A</u> Sec. <u>29</u> T. <u>26</u> N. R. <u>3</u> W. County <u>Rio Arriba</u>
Pit Type:	Separator <input checked="" type="checkbox"/> Dehydrator <input type="checkbox"/> Other <input type="checkbox"/>
Land Type:	<u>Jicarilla Apache</u>

Pit Location:	Pit dimensions:	length <u>34</u>	width <u>33</u>	depth <u>24</u>
(Attach diagram)	Reference:	wellhead <input checked="" type="checkbox"/>	other <input type="checkbox"/>	
	Footage from reference:	<u>86'</u>		
	Direction from reference:	<u>70</u> Degrees	East <input type="checkbox"/>	North <input type="checkbox"/>
			West <input type="checkbox"/>	South <input type="checkbox"/>

<b>Depth to Ground Water:</b> (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet (20 points)	<input checked="" type="checkbox"/>
	50 feet to 99 feet (10 points)	<input type="checkbox"/>
	Greater than 100 feet (0 points)	<input type="checkbox"/>
<b>Wellhead Protection Area:</b> (Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources)	Yes (20 points)	<input checked="" type="checkbox"/>
	No (0 points)	<input type="checkbox"/>
<b>Distance to Surface Water:</b> (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet (20 points)	<input checked="" type="checkbox"/>
	200 feet to 1,000 feet (10 points)	<input type="checkbox"/>
	Greater than 1,000 feet (0 points)	<input type="checkbox"/>
<b>Distance to Ephemeral Stream (dry wash):</b> (Horizontal distance to all downgradient streams having a width of at least 10 feet)	Less than or equal to 100 feet (10 points)	<input checked="" type="checkbox"/>
	Greater than 100 feet (0 points)	<input type="checkbox"/>
<b>Distance to Nearest Lake, Playa, or Watering Pond:</b> (Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)	Less than or equal to 100 feet (10 points)	<input checked="" type="checkbox"/>
	Greater than 100 feet (0 points)	<input type="checkbox"/>
RANKING SCORE (TOTAL POINTS):		<u>0</u>

Date Remediation Started: 9/4/96 Date Completed: 10-1-96

Remediation Method: Excavation X Approx. Cubic Yards 997

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 900

Other \_\_\_\_\_

Remediation Location: Onsite X Offsite \_\_\_\_\_

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

**General Description of Remedial Action:**

Removed contaminated soil from all four side walls and bottom of pit 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 24'

Sample date 9/4/96 Sample time 1250

**Sample Results**

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

Total BTEX (ppm) \_\_\_\_\_ Toluene (ppb) \_\_\_\_\_

Field headspace (ppm) 93.3 Ethylbenzene (ppb) \_\_\_\_\_

TPH <5.0 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 9/7/96 PRINTED NAME Ronald A. Dedrick

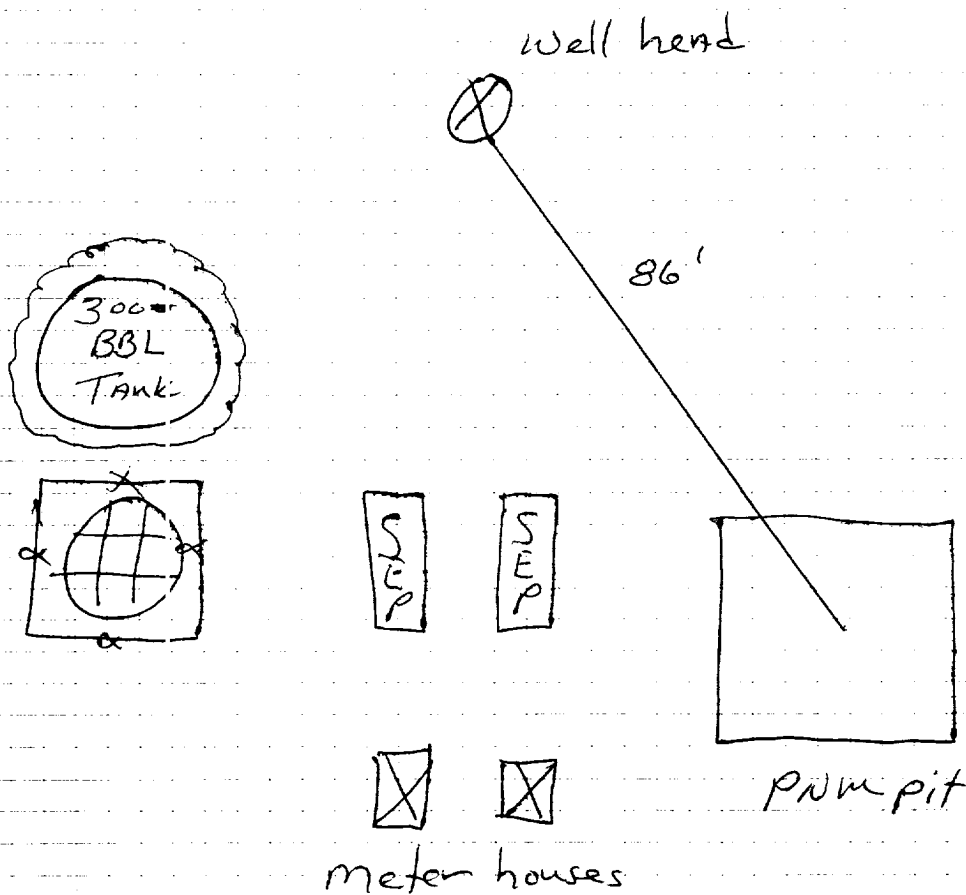
SIGNATURE Ronald A. Dedrick AND TITLE Environmental Technician II

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

APPROVED: YES ✓ NO \_\_\_\_\_ (REASON): \_\_\_\_\_

SIGNED: Daniel Jule DATE: 9/9/96

JICARILLA D-11  
Sec. 29 T26N R3W  
Conoco



OFF: (505) 325-5667



LAB: (505) 325-1556

### *Diesel Range Organics*

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

Date: *7-Sep-96*  
COC No.: *4873*  
Sample No. *12030*  
Job No. *2-1000*

Project Name: *PNM Gas Services - Jicarilla D-11 Run 12-72*  
Project Location: *9609041250; 5pt. Composite*  
Sampled by: *PA* Date: *4-Sep-96* Time: *12:50*  
Analyzed by: *DC/BV* Date: *7-Sep-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>&lt;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*

<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>&lt;5.0</i>	<i>ppm</i>	<i>100</i>	<i>112</i>	<i>11.9</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>104</i>	<i>96</i>	<i>(70-130)</i>	<i>5</i>	<i>20%</i>

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

Approved by: *Ja G*  
Date: *9/7/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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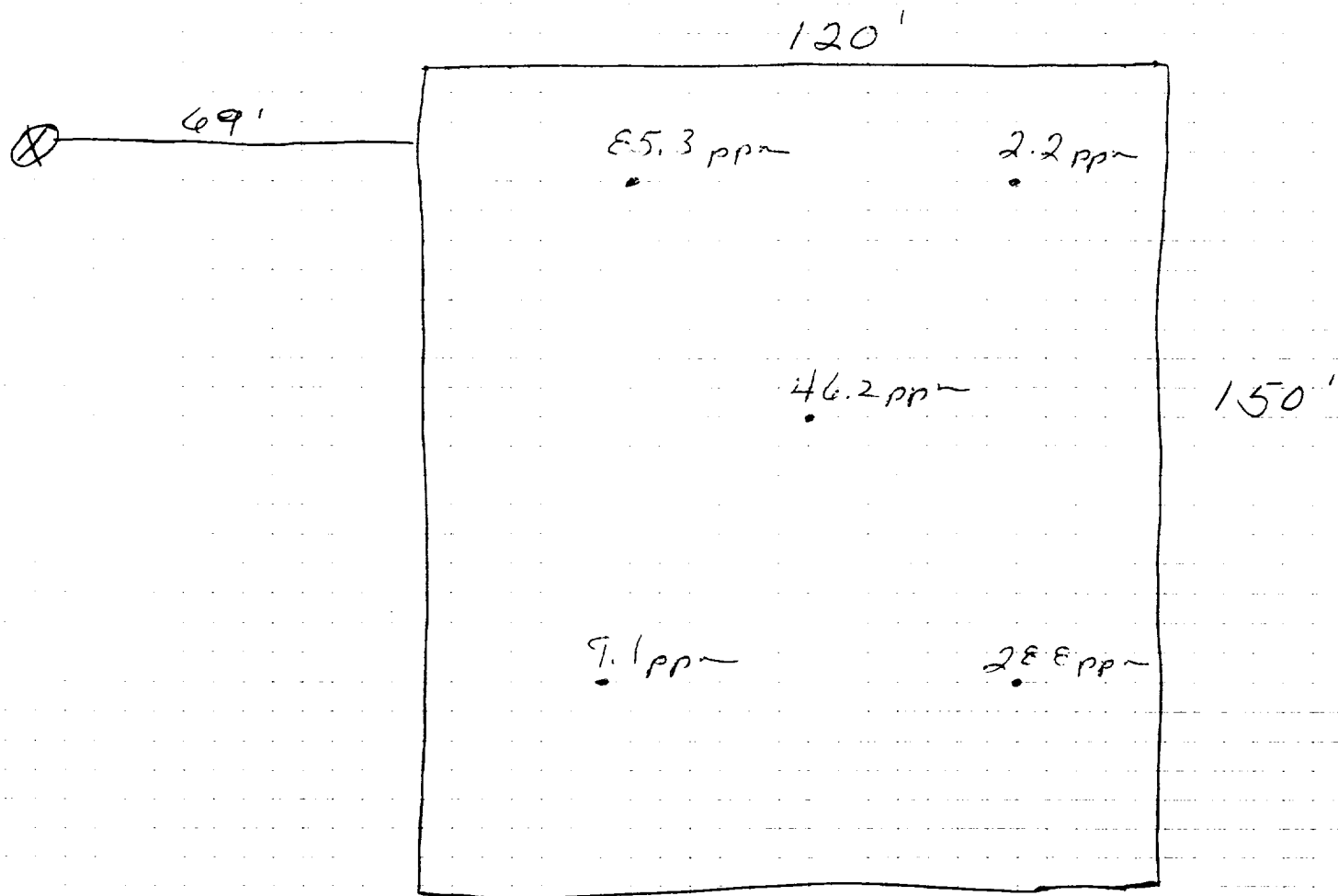
SUBMIT 1 COPY TO  
NATURAL  
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ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

<b>Operator:</b> PNM Gas Services ( <u>Conoco</u> ) <b>Telephone:</b> <u>324-3764</u>	
<b>Address:</b> <u>603 W. Elm Street Farmington, NM 87401</u>	
<b>Facility or Well Name:</b> <u>Jicarilla D-11</u>	
<b>Location:</b>	<b>Unit:</b> _____ <b>Sec.</b> <u>29</u> <b>T.</b> <u>26 N</u> <b>R.</b> <u>3 W</u> <b>County</b> <u>Rio Arriba</u>
<b>Land Type:</b> <u>Jicarilla Apache</u>	
<b>Date Remediation Started:</b> <u>9/4/96</u> <b>Date Completed:</b> <u>9/27/96</u>	
<b>Remediation Method:</b> <b>Landfarmed</b> <u>X</u> <b>Approx. cubic yards</b> <u>900</u>	
<b>Composted</b> _____	
<b>Other</b> _____	
<b>Depth to Ground Water:</b> (pts.) <u>0</u>	<b>Final Closure Sampling:</b>  <b>Sampling Date:</b> <u>9/24/96</u> <b>Time</b> <u>0645</u> <b>Sampling Results:</b> <b>Field Headspace (ppm)</b> <u>55.3</u> <b>TPH (ppm)</b> <u>174.9</u> <b>Method</b> <u>SC15</u> <b>Other</b> _____
<b>Distance to an Ephemeral Stream:</b> (pts.) <u>0</u>	
<b>Distance to Nearest Lake, Playa, or Watering Pond:</b> (pts.) <u>0</u>	
<b>Wellhead Protection Area:</b> (pts.) <u>0</u>	
<b>Distance to Surface Water:</b> (pts.) <u>0</u>	
<b>Ranking Score (Total Points):</b> <u>0</u>	
<p>I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF</p> <p><b>DATE</b> <u>9/27/96</u> <b>PRINTED NAME</b> <u>Ronald A. Dedrick</u></p> <p><b>SIGNATURE</b> <u>Ronald A. Dedrick</u> <b>AND TITLE</b> <u>Environmental Technician II</u></p>	
<p>AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE</p> <p><b>APPROVED:</b> YES <u>X</u> <b>NO</b> _____ <b>(REASON)</b> _____</p> <p><b>SIGNED:</b> <u>Kenneth M. ...</u> <b>DATE:</b> <u>9-30-96</u></p>	

Jicarilla D-11  
Sec. 29 T26N R3W  
Conoco

Land Farm



OFF: (505) 325-5667



LAB: (505) 325-1556

***Diesel Range Organics***

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

Date: *26-Sep-96*  
COC No.: *5301*  
Sample No.: *12275*  
Job No.: *2-1000*

Project Name: ***PNM Gas Services - Jicarilla D-11 Landfarm Run 12-72***  
Project Location: ***9609240645; 5pt. Composite***  
Sampled by: *RD* Date: *24-Sep-96* Time: *6:45*  
Analyzed by: *DC/HR* Date: *25-Sep-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>174.9</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>&lt;5.0</i>	<i>ppm</i>	<i>100</i>	<i>101</i>	<i>1.3</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>111</i>	<i>95</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: *[Signature]*  
Date: *9/26/96*

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