STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. TARRS-333-R
(Storage)

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS, SCALE 1 TO 62,500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.

— DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.
WELL RECORD

Company: The Manufacturers Light and Heat Company
Address: 800 Union Trust Bldg., Pittsburgh 19, Pa.

Farm: S. M. Straza
Acres: 82

Location (waters): Location
Well No.: 1000
Elev.: 857.75 ft.

District: Liberty County: Marshall

The surface of the tract is owned in fee by:

Mineral rights are owned by:

Drilling commenced: October 15, 1959
Drilling completed: March 10, 1960
Date Shot: From
To

Open Flow: 172 ft

Volume: 48 bbls.

Rock Pressure: 30 lbs.
h/hr.

Oil: .48

Fresh water: 612 feet
Salt water: 14.3 inches

Formation Color Hand or Top Oil, Gas or Water Depth Found Remarks

<table>
<thead>
<tr>
<th>Formation</th>
<th>Color</th>
<th>Hand or Foot</th>
<th>Top</th>
<th>Bottom</th>
<th>Ogw</th>
<th>Depth Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pittsburgh Coal</td>
<td>6</td>
<td>612</td>
<td>618</td>
<td>618</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minxton Sand</td>
<td>40</td>
<td>1604</td>
<td>1644</td>
<td>1644</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower Minxton Sand</td>
<td>13</td>
<td>1722</td>
<td>1735</td>
<td>1735</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Big Lime</td>
<td></td>
<td>1743</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

7" Shoe set at
TOTAL DEPTH

Casing and Tubing Used in Drilling Left in Well Packers

Size
Kind of Packer

18

13

10 3/4" 846' 846' Size of

2 5/8" 1030' 1030' Depth set.

2 1 7/8" 1777' 1777'

Liners Used

8 3/16

8

2

Perf. top

Perf. bottom

Perf. top

Perf. bottom

Casing Cemented 10 3/4" 300. No. 614.3 LBS.

SIZE 8 5/8" 225 NO. 14.2 LBS.

COAL WAS ENCOUNTERED AT 612 FEET 14.3 INCHES

(Over)