STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Company: The Mrs. L. and Mt. Co.
Address: 800 Union Trust Bldg., Pittsburgh 19, Pa.

Quadraingle: Littleton
Permit No.: MARS-452

Locality: 100

Location (winters):

Well No.: 4676
Elev. 1143.80'

District: Liberty
County: Marshall

The surface of tract is owned in fee by:

Mineral rights are owned by:

Drilling commenced: July 1, 1962
Drilling completed: July 18, 1962

Date Shot: 7/18/62 From Marxton To Big Injun

With Pitot Tube

Open Flow: 1.6 100 lbs Water in 8.838 Inch
Volume: 2,140,000

Rock Pressure: 640 lbs. 48 hrs.
Oil: bbls., 1st 24 hrs.

Fresh water: feet
Salt water: feet

Formation Color Depth Top

<table>
<thead>
<tr>
<th>Formation</th>
<th>Color</th>
<th>Depth</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pittsburgh Coal</td>
<td>8</td>
<td>822</td>
<td>830</td>
</tr>
<tr>
<td>Murphy Sand</td>
<td>9</td>
<td>937</td>
<td>946</td>
</tr>
<tr>
<td>Big Dunkard</td>
<td>14</td>
<td>1354</td>
<td>1393</td>
</tr>
<tr>
<td>1st Silt Sand</td>
<td>10</td>
<td>1513</td>
<td>1532</td>
</tr>
<tr>
<td>2nd Silt Sand</td>
<td>21</td>
<td>1635</td>
<td>1656</td>
</tr>
<tr>
<td>3rd Silt Sand</td>
<td>20</td>
<td>1705</td>
<td>1726</td>
</tr>
<tr>
<td>Maxton Sand</td>
<td>34</td>
<td>1830</td>
<td>1864</td>
</tr>
<tr>
<td>Big Linne</td>
<td>56</td>
<td>1905</td>
<td>1962</td>
</tr>
<tr>
<td>Big Injun</td>
<td>65</td>
<td>1965</td>
<td></td>
</tr>
<tr>
<td>Total Depth</td>
<td></td>
<td></td>
<td>2113</td>
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<tr>
<td>5½&quot; Casing @</td>
<td></td>
<td></td>
<td>1931</td>
</tr>
</tbody>
</table>

Casing and Tubing: Used in Drilling: 10

Size: 3/8"
Length: 371 ft.
Depth: 371 ft.

Kind of Packer: Perf. top.

Clogging:

LINERS USED:

No. 8 1 1/2" 1929' 1929'

Perf. bottom.

Perf. top.

Perf. top.

Perf. top.

Casing cemented:

No. Ft. Date

Coal was encountered at 822 feet 1846' feet

Oil or Gas Well: Gas

Remarks: Gas @ 1846'