## WELL RECORD

**Company:** The Mfkrs. Lk. and Rts. Co.  
**Address:** 300 Union Trust Bldg., Pittsburgh 19, Pa.  
**Farm:** Blair Clark  
**Acres:** 133  
**Location (wells):**  
**Well No.:** 4732  
**Elev.:** 1332.00'  
**District:** Liberty  
**County:** Marshall  
**The surface of tract is owned in fee by:**  
**Address:**  
**Mineral rights are owned by:**  
**Address:**  
**Drilling commenced:** May 11, 1963  
**Drilling completed:** May 21, 1963  
**Date Shot:** 5/23/63  
**From:** Marion  
**To:** Big Injun  
**With:** Orifice Gas Well Tester  
**Open Flow:** 1/10th Water in.  
**1/10th Merc. in. 1 1/2** Inch  
**Volume:** 553,122  
**Oil Pressure:** 410 lbs.  
**Rock Pressure:** 24 hrs.  
**Oil:** bbls., 1st 24 hrs.  
**Fresh water:** feet  
**Salt water:** feet  

### Casing and Tubing
- **Size:** 16  
- **1 3/8"** 34'  
- **2 5/8"** 1077'  
- **2 7/8"** 2316'  
- **2 7/8"** 2316'  

### Kind of Packer
- **Skeg 5/8"** 1077'  
- **Skeg 5 1/2"** 2316'  

### Liners Used
- **8 1/2"** Perf. top  
- **8 1/2"** Perf. bottom  
- **2"** Perf. top  
- **2"** Perf. bottom  

### Casing Cemented
- **Size:**  
- **No. of:**  
- **Date:**  

### Coal Was Encountered at
- **1014 FEET INCHES**  
- **FEET INCHES**  
- **FEET INCHES**  

### Formation
<table>
<thead>
<tr>
<th>Formation</th>
<th>Color</th>
<th>Top</th>
<th>Bottom</th>
<th>Oil, Gas or Water</th>
<th>Depth Found</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pittsburgh Coal</td>
<td>8</td>
<td>1014</td>
<td>1022</td>
<td>Gas 4.98b/cf</td>
<td>2292'</td>
<td></td>
</tr>
<tr>
<td>Murphy Sand</td>
<td>18</td>
<td>1115</td>
<td>1133</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Big Dunwood</td>
<td>76</td>
<td>1512</td>
<td>1588</td>
<td></td>
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</tr>
<tr>
<td>1st Salt Sand</td>
<td>13</td>
<td>1694</td>
<td>1707</td>
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<td></td>
</tr>
<tr>
<td>2nd Salt Sand</td>
<td>28</td>
<td>1824</td>
<td>1912</td>
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<td></td>
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</tr>
<tr>
<td>Marion Sand</td>
<td>24</td>
<td>2020</td>
<td>2044</td>
<td></td>
<td></td>
<td>Perforated 2022 to 2032'</td>
</tr>
<tr>
<td>Big Lime</td>
<td>38</td>
<td>2130</td>
<td>2168</td>
<td></td>
<td></td>
<td>Perforated 2036 to 2044'</td>
</tr>
<tr>
<td>Big Injun Sand</td>
<td></td>
<td>2171</td>
<td>2174</td>
<td></td>
<td></td>
<td>Perforated 2174 to 2180'</td>
</tr>
<tr>
<td>Total Depth</td>
<td></td>
<td></td>
<td>2292'</td>
<td></td>
<td></td>
<td>Perforated 2184 to 2190'</td>
</tr>
</tbody>
</table>

**Other:**
- **3 1/2" Float Shoe set at:** 2316'  
- **1 1/2" Float Ox. Valve at:** 2299'  

**Received:**  
West Virginia  
Dept. of Mines  
JUL 1963