**WELL RECORD**

**Company:** The Manufacturers Lt. and Rt. Co.  
**Address:** 800 Union Trust Building, Pittsburgh 19, La.

**Farm:** W. H. Loper  
**Acres:** 101

**Location (wells):**

**Well No.:** L-513  
**Elev.:** 1332.74'  
**District:** Liberty  
**County:** Marshall

**The surface of the tract is owned in fee by:**

**Address:**

**Mineral rights are owned by:**

**Address:**

**Drilling commenced:** August 18, 1959  
**Drilling completed:** January 18, 1962  
**Date Shot:** 1/25/62  
**From:** Salt Sand  
**With:** Orifice Well Tester

**Open Flow:** 10/10ths Water in 1/2 Inch  
**1/10ths Merc. in:** 10 Foot

**Volume:** 6,010 Cu. Ft.

**Rock Pressure:** 88 lbs.  
**60 days:** 876

**Oil:** bbls., 1st 24 hrs.

**Fresh water:** feet  
**Salt water:** feet

<table>
<thead>
<tr>
<th>Formation</th>
<th>Color</th>
<th>Water Depth</th>
<th>Top</th>
<th>Bottom</th>
<th>Oil or Water</th>
<th>Depth Found</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pittsburgh Coal</td>
<td>8'</td>
<td>910</td>
<td>918</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Murphy Sand</td>
<td>17</td>
<td>1032</td>
<td>1049</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Max. Depth Logged by Schlumberger was 1117'

**Casing and Tubing:**

<table>
<thead>
<tr>
<th>Casing and Tubing</th>
<th>Used in Drilling</th>
<th>Left in Well</th>
<th>Packers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>Kind of Packer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>14 1/2</td>
<td>14 1/2</td>
<td></td>
</tr>
<tr>
<td>18 3/8</td>
<td>9 1/2</td>
<td>9 1/2</td>
<td></td>
</tr>
</tbody>
</table>

**Liners Used:**

- Perf. top
- Perf. bottom

**Casing Cemented:**

**Size:** No. Ft.  
**Date:**

**COAL WAS ENCOUNTERED AT:"** 910 FEET INCHES

**FEET INCHES FEET INCHES**

Well to be used as an Observation Well in the Victory Storage Field. No gas was encountered.
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPlicate. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

Consolidation Coal Company
Caledon, Ohio 44615

Columbia Gas Transmission Corp.
PO Box 15230
Pittsburgh, Pa.

Well No. L-4513

September 12, 1972

WELL AND LOCATION

Liberty

District

Marshall

County

FARM

STATE INSPECTOR SUPERVISING PLUGGING: Arthur, Box 296, Hundred, W. Va., 26555

STATE OF WEST VIRGINIA,

County of Marshall

SS:

Phillip D. Whipple and William A. Harling

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Columbia Gas Transmission Corp., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 23rd day of August, 1972, and that the well was plugged and filled in the following manner:

<table>
<thead>
<tr>
<th>SAND OR ZONE RECORD</th>
<th>FILLING MATERIAL</th>
<th>PLUGS USED</th>
<th>CASING</th>
</tr>
</thead>
<tbody>
<tr>
<td>1876'</td>
<td>Total Depth</td>
<td>SIZE &amp; KIND</td>
<td>CSS PULLED</td>
</tr>
<tr>
<td>1105'</td>
<td>Bridge</td>
<td>0 0 = 211.4</td>
<td></td>
</tr>
<tr>
<td>1105' - 897'</td>
<td>Cement</td>
<td>0 0 = 942.7</td>
<td></td>
</tr>
<tr>
<td>897' - Surface</td>
<td>Aquagal</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

COAL SEAMS

<table>
<thead>
<tr>
<th>NAME</th>
<th>DESCRIPTION OF MONUMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pittsburgh</td>
<td>10 3/4&quot; casing was reduced to 2&quot; with swage nipple and 5&quot; or 2&quot; pipe was used as vent with 2&quot; all 6&quot; sheet, all on top. Plate bearing Co., name &amp; well # was permanently affixed to the vent.</td>
</tr>
</tbody>
</table>

and that the work of plugging and filling said well was completed on the 15th day of September, 1972.

And further deponents saith not.

Sworn to and subscribed before me this 13th day of September, 1972.

Notary Public.
Permit No. Mars-258-D-P