WELL LOCATION MAP

STATE OF WEST VIRGINIA
Department of Mines
OIL & GAS DIVISION
Charleston

File No. Mars-90-A

\[ x \] Denotes location of well on U. S. 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.

LORAIN COAL & DUCK OWNS COAL
WELL 430 TO BE ABOL.
**WELL RECORD**

**Company:** Natural Gas Company of W. Va.

**Address:** 500 Union Trust Bldg., Pittsburgh, Pa.

**Farm:** A. W. & E. Schenk

**Areas:** 202

**Location (waters):**

- **Well No.:** 4 - 670
- **Elev.:** 123½ ft.
- **Count.:** 16
- **Marshall:**
- **Box:** 506
- **Wheeling, W. Va.:**
- **Address:**
- **County:**
- **State:**

**District:** Union

**District:** West Virginia

**Mineral rights owned by:** Natural Gas Company of West Virginia

**Address:** Pittsburgh, Pa.

**Drilling commenced:** 12/20/24

**Drilling completed:** 1/23/29

**Date shot:**

- **Depth of shot:**
- **Open Flow:** 10ths Water in
- **Volume:** 12/10ths Merc. in

- **Cu. Ft.:**
- **Lb.:**
- **Gals.:**
- **Bbls.:**
- **Hrs.:**
- **Feet:**
- **Feet:**

- **Oil:**
- **Water:**
- **Salt water:**

**Formation:**

<table>
<thead>
<tr>
<th>Formation</th>
<th>Color</th>
<th>Hard or Soft</th>
<th>Top</th>
<th>Bottom</th>
<th>Oil or Gas</th>
<th>Depth</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pittsburgh Coal</td>
<td></td>
<td></td>
<td>610</td>
<td>616</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Murphy Sand</td>
<td>695</td>
<td></td>
<td>725</td>
<td>725</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slate &amp; Shell</td>
<td>725</td>
<td></td>
<td>874</td>
<td>874</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>874</td>
<td></td>
<td>890</td>
<td>890</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cow Run Sand</td>
<td>890</td>
<td></td>
<td>926</td>
<td>926</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Total depth:** 610 FEET 72 INCHES

**COAL WAS ENCOUNTERED AT:**

- **FEET:**
- **INCHES:**

**Oil or Gas Well:**

- **Kind:**

**Casing Cemented:**

- **Size:**
- **No. FT.:**
- **Date:**

**Well was not drilled into oil pay which lies directly under the gas pay. Well shot in in 8 1/4" casing.**
Union District, Marshall County, W. Va.
By Natural Gas Co. of W. Va., 800 Union Trust Bldg., Pittsburgh, Pa.
Abandoned under permit Mars.....
On 202 acres,
Elevation, 1241' L.
Surface owned by Albert M. Schenk Estate, Box 506, Wheeling, W. Va.,
and minerals by Natural Gas Co. of W. Va., Pittsburgh, Pa.
Drilling commenced Dec. 20, 1924; completed, Feb. 2, 1925 (to 890').
Drilling deeper commenced Dec. 25, 1928; completed, Jan. 23, 1929.
Open flow, 12/10ths Merc. in 2''.
Rock pressure, 60 lbs., and 300 lbs.
10'' casing, 168'; 8 2/3'', 883'; 6-5/8'', 1367'.
Gas well. Abandonment reported to Dept. of Mines Dec. 6, 1938.
Record to RCT from Mrs. Griffith Jan. 16, 1939.

<table>
<thead>
<tr>
<th>Top</th>
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</thead>
<tbody>
<tr>
<td>Pittsburgh Coal</td>
<td>610 - 616</td>
</tr>
<tr>
<td>Murphy Sand</td>
<td>695 - 725</td>
</tr>
<tr>
<td>Slate and shell (water, 870')</td>
<td>725 - 874</td>
</tr>
<tr>
<td>Cow Run Sand</td>
<td>874 - 890</td>
</tr>
<tr>
<td>Total depth</td>
<td>890</td>
</tr>
</tbody>
</table>

(Well was not drilled into oil pay
which lies directly under the gas pay.
Well shut in in 8 2/3'' casing).

DEEPENED:

<table>
<thead>
<tr>
<th>Top</th>
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</thead>
<tbody>
<tr>
<td>Sand</td>
<td>890 - 926</td>
</tr>
<tr>
<td>Slate</td>
<td>926 - 1006</td>
</tr>
<tr>
<td>Slate and sand</td>
<td>1006 - 1470</td>
</tr>
<tr>
<td>Salt Sand (gas, 1471-1476')</td>
<td>1470 - 1476</td>
</tr>
<tr>
<td>Total depth</td>
<td>1476</td>
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</tbody>
</table>