**WELL RECORD**

**Company:** The Manufacturers Light & Heat Company  
**Address:** 800 Union Trust Bldg., Pittsburgh, Pa.

**Farm:** R. G. Winters  
**Acres:** 115

**Location (wells):**  
**Well No.:** 2 -- 3246  
**Elev.:** 1220 ft.

**District:** Cameron  
**County:** Marshall

**The surface tract is owned in fee by:** R. L. Hagerman  
**Address:** Cameron, W. Va.

**Mineral rights are owned by:** The Wm. L. & H. Co.  
**Address:** 800 Union Trust Bldg., Pittsburgh, Pa.

**Drilling commenced:** 5/25/29  
**Drilling completed:** 7/3/29  
**Date Shot:** From  
**To:**

**With:**

**Open Flow:** 24/10ths Water in. 1/4 inch.  
**/10ths Merc. in. Inch:**

**Volume:**  
**In. Co. Ft:**

**Rock Pressure:** 51 lbs.  
**/hr.:**

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

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

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

**Casing and Tubing:**  
**Used in Drilling:**  
**Left in Well:**  
**Packers:**

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<th>Size</th>
<th>Kind of Packer</th>
<th>Not packed</th>
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<td>8 1/4</td>
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<td>6 1/4</td>
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**Depth set:** 5 3/16  
**Perf. top:**  2  
**Perf. bottom:**  2  
**Perf. bottom:**

**Casing Cemented:**  
**Size:**

**Coal was encountered at:** 61.5 feet.  
**61.5 feet. 6 1/2 inches.**

**1570 feet. 120 inches.**

**Formation** | **Color** | **Hard or Soft** | **Top** | **Bottom** | **Oil, Gas or Water** | **Depth Found** | **Remarks**
--- | --- | --- | --- | --- | --- | --- | ---
Soil & Clay |  |  | 0 | 105 |  |  |  
Sand | 105 | 150 | 5 1/2 | 6 1/2 | 68 1/2 | 67 0/0 |  
Slate and Lime Shells | 150 | 5 1/2 | 68 1/2 |  |  |  |  
Waynesburg Coal | 61 1/2 | 68 1/2 | 790 |  |  |  |  
Lime | 61 1/2 | 68 1/2 | 790 |  |  |  |  
Slate & Lime | 670 | 790 | 8 1/4 | 9 1/2 | 9 1/2 | 9 1/2 |  
Lime | 790 | 8 1/4 | 9 1/2 | 9 1/2 | 9 1/2 | 9 1/2 |  
Mapletown Coal | 8 1/4 | 9 1/2 | 117 0/0 |  |  |  |  
Slate | 8 1/4 | 9 1/2 | 117 0/0 |  |  |  |  
Lime | 9 1/2 | 117 0/0 | 120 0/0 |  |  |  |  
Pittsburgh Coal | 9 1/2 | 117 0/0 | 120 0/0 |  |  |  |  
Lime | 9 1/2 | 117 0/0 | 120 0/0 |  |  |  |  
Red Rock Sand | 996 | 1202 | 1090 | 1090 | 1090 | 1090 |  
Red Rock | 1090 | 1090 | 1090 | 1090 | 1090 | 1090 |  
Murphy Sand | 1170 | 1202 | 117 0/0 |  |  |  |  
Red Rock | 1200 | 117 0/0 | 1202 | 117 0/0 | 1202 | 117 0/0 |  
Slate | 1250 | 1202 | 1270 | 1270 | 1270 | 1270 |  
Red Rock | 1270 | 1270 | 1270 | 1270 | 1270 | 1270 |  
Little Dunkard Slate | 1320 | 1375 | 1375 | 1375 | 1375 | 1375 |  
Big Dunkard Slate | 1180 | 1180 | 1180 | 1180 | 1180 | 1180 |  
Lime Shells Sand Shells | 1180 | 1180 | 1180 | 1180 | 1180 | 1180 |  
Freeport Coal | 1520 | 1375 | 1520 | 1520 | 1520 | 1520 |  
Slate & Lime | 1570 | 1520 | 1570 | 1570 | 1570 | 1570 |  
Gas Sand | 1580 | 1570 | 1580 | 1580 | 1580 | 1580 |  
Slate | 1605 | 1580 | 1605 | 1605 | 1605 | 1605 |  
Lime & Slate | 1665 | 1605 | 1665 | 1665 | 1665 | 1665 |  
1st Salt Sand Slate | 1695 | 1665 | 1695 | 1695 | 1695 | 1695 |  
Lime Shells 2nd Salt Sand Slate | 1800 | 1805 | 1800 | 1800 | 1800 | 1800 |  
Slate & Lime | 1815 | 1815 | 1815 | 1815 | 1815 | 1815 |  

(Over)
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<th>Hard or Soft</th>
<th>Top</th>
<th>Bottom</th>
<th>Oil, Gas or Water</th>
<th>Depth Found</th>
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Total depth 3132

Date September 22nd, 1944

APPROVED THE MANUFACTURERS LIGHT & HEAT Co., Owner

By Land Dept. (Title) Office Manager