## WELL RECORD

### General Information
- **Company**: The Manufacturers Light & Heat Company
- **Address**: 800 Union Trust Building, Pittsburgh
- **Permit No.**: MARS-524-R

### Geographical Details
- **Valley**: Cameron
- **Farm**: C. W. Daggs
- **Acres**: 138
- **Location (Waters)**: 4820
- **Elev.** 1176.56 ft
- **District**: Sandhill
- **County**: Marshall
- **Depth**: 6771' 1136' 4556'

### Drilling Details
- **Drilling Commenced**: June 10, 1964
- **Drilling Completed**: September 21, 1964
- **Date Shot**: 9/18/64
- **Well Depths**: From 1383' To 1569'
- **With**: Office Well Tester
- **Open Flow**: 2/10ths Water in
- **Volume**: 789
- **Depth**: 1/10ths Merc. in
- **Rock Pressure**: 6 lbs 48 hrs.
- **Oil**: 112 lbs, 1st 24 hrs.
- **Fresh Water**: feet
- **Salt Water**: feet

### Casing Details
- **Casing and tubing used in drilling**: 10' 1' 11/8" 698' 698'
- **Depth set**: 5/10
- **Packers**: 9/4/6" 1186' 456'
- **Liners Used**: Perf. top
- **Perforation**: Perf. bottom
- **Size**: 16
- **Kind of packer**: 12

### Coal Encounter Details
- **Coal was encountered at**: 672 feet
- **Inches**:
  - Feet: 672
  - Inches: 0

### Formation Details

<table>
<thead>
<tr>
<th>Formation</th>
<th>Color</th>
<th>Hard- or Soft</th>
<th>Thickness</th>
<th>Top</th>
<th>Bottom</th>
<th>Oil, Gas or Water</th>
<th>Depth Found</th>
<th>Remarks</th>
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</table>

- **Redrilled to original depth of 1569'**

**TOTAL DEPTH**: 1569

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**Temperature survey did not indicate specific zone of production.**
## WELL RECORD

### General Information
- **Company:** C. E. Dawe and Frank A. Ebright
- **Address:** Elm Grove, West Virginia
- **C. W. Dawe**
- **Location:** Turkey Run
- **Well No.:** 1
- **District:** Sand Hill
- **County:** Marshall
- **The surface of tract is owned in fee by:** C. W. Dawe
- **Address:** R. D. Dallas, W. Va.
- **Mineral rights are owned by:** C. W. Dawe
- **Date Drilled:** Feb. 18, 1938
- **Drilling completed:** March 25, 1938
- **Date shot:** April 4, 1938
- **Depth of shot:** 1558
- **Open Flow:** 110th Water in
- **Volume:** Not enough to test
- **Rock Pressure:** lbs. per bbl.
- **Oil:** 40 ft.
- **Fresh water:** 671 ft.
- **Salt water:** No ft.

### Casing and Tubing
- **Casing and Tubing Used in Drilling:**
  - Size: 16
  - Kind of Packers: 10
  - Size of: 701.5
  - Depth set: 6 3/16
  - Liners Used: 8 1/4

### Casings Cementsed
- **Size:** 1020
- **No. of:** 8
- **Date:** 1938

### Formation Details

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<th>Formation</th>
<th>Color</th>
<th>Hard or Soft</th>
<th>Top</th>
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</table>
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS WELLS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPlicate, one copy mailed to the Division, 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
Coal Operator or Owner
500 Racetrack Road, Washington, Pa. 15301
Address

Consolidation Coal Company
Name of Well Operator
450 Racetrack Road, Washington, Pa. 15301
Complete Address

November 20,
WELL AND LOCATION
1995
Sandhill
District
Marshall
County

WELL NO.
MARS #524

STATE INSPECTOR SUPERVISING PLUGGING

STATE OF WEST VIRGINIA,
County of Harrison ss:

G. Andrew Lang and George R. Gore

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 Consolidation Coal Company, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 1st day of November, 1995, 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>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Size &amp; Kind</td>
<td>CSG PULLED</td>
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</tbody>
</table>
| Cleaned out wellbore with 6k" bit to 940'. Cleaned out from 730' to 940' through previously cemented plug. 8 5/8" casing cemented in, cannot pull. Sectioned milled 8 5/8" casing from 670' thru Pittsburgh coal seam to 695'. Cemented hole from 940' back to surface solid using 80' sacks of thixotropic cement and 206 sacks of poz mix as follows:
Sent cement plug from 940' to 540' with thixotropic cement.
Sent cement plug from 540' to surface with poz mix. Cement did circulate. Used 2,000 gallons of mud flush. | 940 feet |
|                      |                  | 8 5/8"     | 0'       | 706'    |

TOTAL SOLID CEMENT PLUG:
940 feet

Coal Seams

<table>
<thead>
<tr>
<th>Name</th>
<th>Description of Monument</th>
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<tbody>
<tr>
<td>Pittsburgh</td>
<td>Engraved steel plaque stating: Consolidation Coal Co. Well #524</td>
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<tr>
<td>678 feet to 685 feet</td>
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</tbody>
</table>

and that the work of plugging and filling said well was completed on the 9th day of November, 1995.

Sworn to and subscribed before me this 20th day of November, 1995,

Charlotte Hester
Notary Public

My commission expires: 06-29-1999

Notarized 07-24-1999

CERTIFICATE OF AUTHORITY TO PLUG AND FILL WELL

Sworn to and subscribed before me this 20th day of November, 1995,

Charlotte Hester
Notary Public

My commission expires: 06-29-1999

Notarized 07-24-1999