STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. MARS-162A

+ Denotes location of well on United States Topographic Map, 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.

Company **CARNegie NATURAL GAS Co.**
Address **PITTSBURGH, PA.**
Farm **C. F. CONNELLY**
Tract 1 Acres 70 Lease No. E-3026-43
Well (Farm) No. 2 Serial No. 365
Elevation (Spirit Level) 1205
Quadrangle **CAMERON S.E. 1/4.**
County **MARSHALL** District **LIBERTY**
Engineer **D. T. BRITTON**
Engineer's Registration No. [Redacted]
File No. 7-17-41 Drawing No. [Redacted]
Date 7-17-41 Scale 1"=400'
STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL RECORD

Company: The Manufacturers Light and Heat Co.  
Address: 800 Union Trust Building, Pittsburgh, Pa.

Farm: C. F. Connelly  
Acres: 70

Location (wells):  
Well No: 4502  
Elev.: 1205

District: Liberty  
County: Marshall

The surface of tract is owned in fee by  
Address:

Mineral rights are owned by  
Address:

Drilling commenced  
Drilling completed: October 27, 1959

Date Shot: From  
To:

With:

Open Flow:  
1/10th Water In.  
Inch

1/10th Merc. In.  
Inch

Volume: Cu. Ft.

Rock Pressure: 275 lbs.  
hrs.

Oil: bbls., 1st 24 hrs.

Fresh water: feet  
Salt water: feet

Formation  
Color  
Hardness  
Top  
Bottom  
Oil, Gas or Water  
Depth Found  
Remarks

- Pittsburgh Coal  
- Little Dunlap  
- Big Dunkard  
- First Salt Sand  
- Maxton Sand  
- Big Lime  
- Big Injun

TOTAL DEPTH

<table>
<thead>
<tr>
<th>Formation</th>
<th>Color</th>
<th>Hardness</th>
<th>Top Feet</th>
<th>Bottom Feet</th>
<th>Oil, Gas or Water</th>
<th>Depth Found</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pittsburgh Coal</td>
<td>7</td>
<td>928</td>
<td></td>
<td>935</td>
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<tr>
<td>Little Dunlap</td>
<td>37</td>
<td>1338</td>
<td></td>
<td>1375</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Big Dunkard</td>
<td>46</td>
<td>1429</td>
<td></td>
<td>1475</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>First Salt Sand</td>
<td>42</td>
<td>1669</td>
<td></td>
<td>1711</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Maxton Sand</td>
<td>30</td>
<td>1915</td>
<td></td>
<td>1945</td>
<td></td>
<td></td>
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<tr>
<td>Big Lime</td>
<td></td>
<td></td>
<td></td>
<td>2340</td>
<td></td>
<td>Gas at 2195</td>
<td></td>
</tr>
<tr>
<td>Big Injun</td>
<td></td>
<td></td>
<td></td>
<td>2320</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL DEPTH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

(Over)
**West Virginia Department of Mines**

**Oil and Gas Division**

**Well Record**

### Well to Be Abandoned

**Oil or Gas Well**: Gas  

**Permit No.**: 326  

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**Company**: Carnegie Natural Gas Company  
**Address**: 1014 Frick Bldg., Pittsburgh, PA  
**Farm**: C. F. Connelly  
**Acres**: 70  
**Location (waters)**: Fish Creek  
**Elev**: 1205  
**Well No.**: 2-985  
**District**: Liberty  
**County**: Marshall  
**The surface of the tract is owned in fee by**: C. F. Connelly

**Address**: Zanesville, Ohio  

**Mineral rights are owned by**: C. F. Connelly  
**Address**: Zanesville, Ohio  

**Drilling commenced**: 6-22-20 -- D.D. 5-31-22  
**Drilling completed**: 7-31-22 -- D.D. 6-14-22  
**Date shot**: Depth of shot

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**Open Flow**: /10ths Water in.  
**10ths Merc. in.**: Inch  
**Volume**: 588,000  
**Depth**: D.D. 2,500,000  
**Casing and Tubing**: Cu. Ft.  
**Rock Pressure**: 400 lbs.  
**Oil**: bbls., 1st 24 hrs.  
**Fresh water**: feet  
**Salt water**: feet

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**Formation**: Waynesburg Coal, Mapleton Coal, Pittsburgh Coal, Little Dunkard, Big Dunkard Gas Sand, 1st Salt Sand, 2nd Salt Sand, Marlin Sand, Big Injun  
**Color**:  
**Hard or Soft**:  
**Top**: 630', 832', 960', 1390', 1440', 1610', 1690', 1845', 1925', 2035'  
**Bottom**: 624', 857', 947', 1390', 1447', 1660', 1730', 1870', 1965', 2045'  
**Depth Found**: Show of Gas 2045  
**Remarks**: Gas at 2195-2195  
**Total Depth**: 7-31-20 -- 2207'

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**TOTAL DEPTH - 6-14-22**: 3052'

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**Coal Was Encountered At**: 630 Feet  
**632 Feet**  
**540 Feet**

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*West Virginia Department of Mines*

*JUL 1941*

*Over*  

*Aug 4 1941*
Liberty District, Marshall County, W. Va.
By Carnegie Natural Gas Co.
Top, Cameron 8W.
On 70 acres.
Drilling commenced June 22, 1920; completed, July 31, 1920.
Elevation, 1205'.
Open flow, 600 l. cu. ft. (Big Inj.1). 2,225 l. cu. ft. (5th Sand) 400 l. cu. ft. (Bayard Sand).
Deepened from 2207', June 14, 1922.
Record from Willcox Sept. 27, 1922.

<table>
<thead>
<tr>
<th>Top.</th>
<th>Bottom.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waynesburg Coal</td>
<td>630 - 634</td>
</tr>
<tr>
<td>Mapletown (Sandickley) Coal</td>
<td>832 - 837</td>
</tr>
<tr>
<td>Pittsburgh Coal</td>
<td>940 - 947</td>
</tr>
<tr>
<td>Little Dunkard Sand</td>
<td>1350 - 1390</td>
</tr>
<tr>
<td>Big Dunkard Sand</td>
<td>1440 - 1480</td>
</tr>
<tr>
<td>1st Gas Sand</td>
<td>1600 - 1600</td>
</tr>
<tr>
<td>1st Salt Sand</td>
<td>1690 - 1730</td>
</tr>
<tr>
<td>2nd Salt Sand</td>
<td>1845 - 1870</td>
</tr>
<tr>
<td>Martin Sand</td>
<td>1925 - 1965</td>
</tr>
</tbody>
</table>
| Big Injum Sand (show gas at 2045':
  gas, 203-95', 600 l. cu. ft.) | 2055 - 2355 |
  DEEDED June 14, 1922, from 2207':
| Gordon Stray Sand | 2881 - 2933 |
| Gordon Sand (show oil, 2041-44') | 2973 - 2958 |
| Fourth Sand (show gas, 2979') | 2978 - 2981 |
| Fifth Sand (gas, 2999-3004', 2,225 l. cu. ft.) | 2996 - 3008 |
| Bayard Sand (gas, 3031-34', 400 l. cu. ft.) | 3030 - 3054 |
| Total depth | 3064 |