Company: THE MANUFACTURERS LIGHT AND HEAT COMPANY
Address: 800 Union Trust Bldg., Pgh., Penna.
Farm: Gay Matthews
Acres: 60
Location (wells): Address
Well No.: 1852
Elev: 1479'
District: Liberty
County: Marshall
The surface of the tract is owned by

<table>
<thead>
<tr>
<th>Casing and Tubing</th>
<th>Used in</th>
<th>Left in</th>
<th>Packers</th>
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<tbody>
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<td>Drillng</td>
<td>Well</td>
<td></td>
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</tbody>
</table>

- Size: 18
- Kind of Packer: Anchor
- Size of: 4 x 7
- Depth set: 2264

Mineral rights are owned by

Address

Drilling commenced: December 24, 1953
Drilling completed: October 10, 1954
Date Shot: 10-26 5/8

With

- Open Flow: 1 1/2/10ths Water in
- 1 1/4/10ths Mere. in
- Volume: 29,396
- Rock Pressure: 900 lbs. 132 hrs.
- Oil: 1,100 bbls. 1st 24 hrs.

<table>
<thead>
<tr>
<th>Casing Cemented</th>
<th>Size</th>
<th>No. Ft.</th>
<th>Date</th>
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COAL WAS ENCOUNTERED AT 750 FEET INCHES
1100 FEET INCHES 1000 FEET INCHES

Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
-----------|-------|--------------|-----|--------|------------------|-------------|---------|
| Pittsburgh Coal | | | 1100 | 1107 | In cleaning out/ hole was found from | | |
| Little Dunkard Sand | | | 1470 | 1465 | 2370 to 2930 1 5/8" Lead Plug set at 2930 | | |
| Maxton Sand | | | 2141 | 2133 | filled with cement and stone to the depth of 2530 | | |
| Big Injun Sand | | | 2295 | 2530 | Second foot 6" Plug set at 2543 | | |
| Total Depth for storage | | | 2528 | | 2530 of 2543' Second lead 6" Plug set at 2543 | | |
|                    | Waynesburg Coal | | 750 | 754 | 15' of cement dumped on top of Plug and cemented to total storage depth to 2528' | | |
| Mapletown Coal | | | 1000 | 1007 | 248 sacks cement was used cementing the 10 3/4 casing, good return to surface. 400 Sacks cement used between the 10-3/4 casing and 8-5/8' No Return. 8 5/8'' casing was perforated at 12 1/4' and 400 more sac cement held between 10 3/4 and 8 5/8'' while cemented to surface but no cement, balance was filled from top of casing to surface. | | |
| Pittsburgh Coal | | | 1100 | 1108 | 7'' Casing set at 2267' | | |

2400 sacks cement used between the 8 5/8'' and 7'' casing, good return to surface.

Packer Record:
1 4 x 7 Anchor Packer set at 2254'
Anchor under packer 304'
First Perforated Joint at 2258' Second Perforated Joint at 2259'
7'' casing was shot by Schulzberger with 96 shots. Top of shot 2141, Bottom 2165' in the Maxton Sand
Open flow was not increased after shooting, some gas came in later with a rock pressure of 2570' in 288 Hours from Maxton Sand

(Over)