Pittsburgh Coal: Grave Creek Fuel Co.,
Address: A.W. Cotton, P.O. Box 493, Uniontown, Pa.

Company: Zogq--Randall Supply Co.
Address: Owensboro, Ky.
Farm: E.A. Crisswell
Tract: Acres 59
Well (Farm No.): 3
Serial No.: 1255.02
Elevation (Spirit Level): 1255.02
Quadangle: Cameron
County: Marshall
District: Meade
Engineer: E.C. Tabler
Engineer's Registration No.: [Blank]
File No.: [Blank]
Drawing No.: [Blank]

Date: May 6th, 1947
Scale: 1" = 800 Feet

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

WELL LOCATION MAP
FILE NO. MAR 3: 2/66-4

+ Denotes location of well on United States 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.
(023)
Company: Randal-Logan Supply Company
Address: Box 626, Charleston, W. Va.

Farm: E. A. Cramwell
Location (wells): Area 26

Well No.: Three (3)
District: Monongah

The surface tract is owned in fee by R. E. Elkins.
Mineral rights are owned by Grandview Fuel Co., A. W. Carthy, Box 482, Davison, W. Va.

Drilling commenced: June 10th, 1902
Drilling completed: June 10th, 1902
Date Shot: June 10th, 1902

With:
Open Flow: 7000
t/10ths Water in: 7
1/10ths Merc. in: 9

Volume: 19300

Rock Pressure: 108 lbs., 4 hrs.

Oil: 20 bbls., 1st 24 hrs.

Fresh water: 200 feet
Salt water: 2000 feet

Casing and Tubing

<table>
<thead>
<tr>
<th>Size</th>
<th>Used in Drilling</th>
<th>Left in Well</th>
<th>Packers</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>62'</td>
<td>62'</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td></td>
<td>18'</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>1418'</td>
<td>1418'</td>
<td></td>
</tr>
<tr>
<td>81/4</td>
<td>1945'</td>
<td>1945'</td>
<td></td>
</tr>
<tr>
<td>163/16</td>
<td>2805'</td>
<td>2805'</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Liners Used

Perf. top
Perf. bottom
Perf. bottom
Perf. bottom

Casing Cemented: SIZE 3 No. Ft., Date

Coal was Encountered at 273 feet 86 inches

Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks
---|---|---|---|---|---|---|---
Native Coal | | | 673 | 678 | | |
Mapleton Coal | | | 566 | 571 | | |
Pittsburgh Coal | | | 970 | 977 | | |
Dunkard Sand | | | 1656 | 1900 | | |
Gas Sand | | | 1596 | 1900 | | |
Salt Sand | | | 1760 | 1888 | | |
Mesa Sand | | | 2620 | 2085 | | |
Big Lime | | | 2080 | 2100 | | |
Big Injun Sand | | | 2100 | 2200 | | |
Gordon Sand | | | 2070 | 2390 | | |
Total Depth | | | 2390 | 2972 | | |

SHOT RECORD

June 16th, 1902 Shot with 60 gts. Top of Shot 2972'
Oct. 27th, 1902 Shot 60' 2746'

(Over) 9-18-1902