

C. and M. Bickerstaff No. 6630 Well

Murphy District, Ritchie County, W. Va.

By Hope Natural Gas Company, Clarksburg, W. Va.

Located, 1.15 mi. W. of 81°10' and 3.5 mi. S. of 39°10' -WC- Harrisville
Quadrangle; 1 mi. S. W. of Mellon, on Left Fork of Macfarlan Creek.

Elevation, 782'.

Permit, Rit-770.

Drilling deeper commenced October 27, 1939; completed, Nov. 15, 1939.

No water recorded.

10" casing, 295'; 8 1/4", 844'; 6-5/8", 1400'; 5-3/16", 1695'; all left
in. Casing not cemented.

No coal was encountered.

Dry (?) on deepening.

Top	Bottom	Thickness	
<u>Pottsville Formation, 131+ feet</u>			
1509	1515	6	Sandstone, white medium-grained
1515	1543	38	Shale and siltstone, gray
1543	1625	77	Sandstone, light-gray to white, medium- to coarse-grained; contains considerable mica, chlorite and kaolin down to 1588' and is more nearly pure quartz below that (gas 1568 to 1573'; oil 1616 to 1617')
1625	1635	10	Shale, dark-gray to black, silty
1635	1640	5	Sandstone, nearly white; mostly fine but contains some fairly coarse grains close to contact with underlying limestone
<u>Greenbrier Limestone, 133 feet</u>			
1640	1660	20	Limestone, light-brown, oolitic; oolites are most distinct near top, less so toward bottom
1660	1693	33	Limestone, brown, nearly gray when dry; contains very small amount of sand
1693	1700	7	Limestone, light-brown, sandy, somewhat dolomitic
1700	1706	6	Sandstone, white (except for rust stain), fine, calcareous
1706	1729	23	Limestone, brown to grayish-yellowish; all somewhat sandy, but more so from 1723 to 1729'

Top Bottom Thickness

1729 1741 12 Limestone, nearly white; contains some sand and dolomite

1741 1763 22 Sandstone, light grayish yellow, calcareous; contains some dolomite as well as calcite; larger grains well rounded

1763 1773 10 Sandstone, light grayish yellow, dolomitic, similar to sandstone above except that there is little or no calcite

Pocoyo Formation, 140+ feet

1773 1837 64 Sandstone, nearly white with some rust stain, medium-grained; slightly calcareous, 1790 to 1793', otherwise noncalcareous (base of Big Injun Sand reported at 1837')

1915 Total depth