

## J. S. Burford No. 2 (1140) Well

Union District, Kanawha County, W. Va.

By Godfrey L. Cabot, Inc., Charleston, W. Va.

Located 2.65 mi. W. of 81°40' and 3.05 mi. S. of 39°30' - SW - Charleston

Quadrangle.

Elevation 935.38'L.

Permit Kan-1110

Drilled in 1944.

Dry hole.

Section based on samples from 1681 to 1739<sup>8</sup> examined by J.E.C. Martens.

Top Bottom Thickness

Pottsville Formation, 11+ feet

1681	1686	5	Sandstone, white, medium-grained, nearly all quartz; crystal faces on many grains.
1686	1692	6	Sandstone, white, very coarse, with many small pyrite crystals

Greenbrier Limestone, 170 feet

1692	1697	5	Limestone, light-brown, 50%; white, very coarse sand- stone, 50%
1697	1725	28	Limestone, light-brown to very light brown
1725	1737	12	Limestone, light-brown; contains some small oolites thoroughly cemented together
1737	1760	23	Limestone, very light brown
1760	1769	9	Limestone, very light brown, slightly sandy, with many small oolites
1769	1773	4	Limestone, very light brown, sandy, oolitic
1773	1793	20	Limestone, light-brown; sand content is less and oolites larger and more distinct than in interval above
1793	1799	6	Limestone, nearly white, dolomitic
1799	1805	6	Limestone, nearly white with a few pieces of green, dolomitic
1805	1810	5	Limestone, same as interval above but slightly less dolomitic
1810	1819	9	Limestone, nearly white with a few fragments of green

Top	Bottom	Thickness	
1819	1825	6	Limestone, nearly white, slightly dolomitic
1825	1830	5	Limestone, light-brown, slightly sandy
1830	1835	5	Limestone, very light brown
1835	1842	7	Limestone, nearly white, sandy and dolomitic
1842	1849	7	Limestone, very light brown, slightly dolomitic; a few sand grains
1849	1856	7	Limestone, nearly white, dolomitic and sandy
1856	1862	6	Sandstone, white to reddish, medium-grained, calcareous and dolomitic, 70%; fine, nearly white non-calcareous sandstone, 20%; greenish-gray shale, 10%
<u>Pocono Formation, 77+ feet</u>			
1862	1868	6	Sandstone, white, medium-grained
1868	1908	40	Sandstone, white to light-gray, fine; a little <sup>gray</sup> green shale, 1875-1908' (water, 1870')
1908	1913	5	Shale, dark-gray, silty, 70%; fine white sandstone, 30%
1913	1916	3	Sandstone, white, fine
1916	1926	10	Sandstone, white with much rust stain, fine
1926	1939	13	Shale, dark-gray, silty
	1939		Total depth