

F. E. Rothlisberger No. 4 Well

Sheridan District, Calhoun County, W. Va.

By South Penn Natural Gas Company.

Located 2.0 mi. N. of 81°05' and 4.88 mi. S. of 39°05' - SC - Harrisville

Quadrangle.

Elevation, 983.46' L.

Permit Cal-653

Drilling commenced Nov. 1, 1941; completed Dec. 3, 1941 to 1777 1/2'.

Deepened in 1945.

Section based on samples from 1902 to 2052' examined by J. H. C. Martens.

The twenty feet of sandstone immediately above the Greenbrier is believed to be in the Pottsville, but on account of the lack of samples from above 1902' this remains somewhat uncertain.

Top	Bottom	Thickness	
			<u>Pottsville Formation?, 20+ feet</u>
1902	1908	6	Sandstone, white, with brown stain, fine
1908	1922	14	Sandstone, gray to nearly white, very fine; also some gray shaly siltstone
			<u>Greenbrier Limestone, 154 feet</u>
1922	1925	3	Dolomite, gray, shaly
1925	1975	50	Limestone, light-brown
1975	1992	17	Limestone, dark-brown
1992	1994	2	Limestone, light-brown, with some small oolites
1994	1999	5	Sandstone, light-brown, fine, calcareous, 60% light-brown limestone, 40%
1999	2007	8	Limestone, light-brown
2007	2017	10	Limestone, very light-brown, sandy and oolitic; larger sand grains are rounded and frosted
2017	2019	2	Sandstone, very light-brown, calcareous and dolomitic
2019	2024	5	Dolomite, light-gray, sandy
2024	2052	6	Limestone, very light-brown, very sandy, somewhat oolitic
2052	2057	5	Sandstone, light-brown, fine, calcareous and dolomitic
2057	2059	2	Limestone, light-gray and light-brown, partly sandy
2059	2063	24	Dolomite, light-yellow, sandy; larger grains are rounded and frosted

Top	Bottom	Thickness	
2055	2076	15	Sandstone, nearly white, fine, dolomitic
			<u>Pocono Formation, 6+ feet</u>
2076	2082	6	Shale, gray, silty
	2082		Total depth