

Boone County Coal Corporation No. 19 Well

Logan District, Logan County, W. Va.

By Boone County Coal Corporation, Sharples, W. Va.

Located 3.53 mi. W. of 81°50' and 0.69 mi. S. of 37°55' -C- Logan Quadrangle.

Elevation, 1807.48' L.

Permit, Log-69,

Drilling commenced October 5, 1940; completed, December 13, 1940.

Gas well; 134,400 cu. ft. in Greenbrier Limestone with rock pressure 155 lb.

784,248 cu. ft. in Berea and shales and siltstone above with rock pressure 110 lb.

Top	Bottom	Thickness	
866	870	4	Coal (Powellton Coal according to record of Boone County Coal Corporation)
<u>Mauch Chunk Group, 420 feet</u>			
2040	2100	60	Shale, red (top and bottom taken from driller's record; the one sample from this interval is labelled 2085-2095'; it is not certain that 2040' is the top of the Mauch Chunk, but it cannot very well be any lower)
2100	2370	270	Mostly red and gray shale; not described in detail
2370	2400	30	Sandstone, white, fine- to medium-grained; much shale cavings (driller's Maxton Sand)
2400	2450	50	Limestone, brown, with some shale cavings
2450	2460	10	Limestone, brown and gray, 60%; soft, gray, laminated shale, 40% (Pencil Cave)
<u>Greenbrier Limestone, 210 feet</u>			
2460	2670	210	Limestone, brown and gray; not described in detail.
<u>Maocady Formation, 50 feet</u>			
2670	2720	50	Siltstone, red, shaly
<u>Poccano Formation, 500 feet</u>			
2720	2740	20	Shale and siltstone, gray
2740	2825	85	Siltstone, gray, shaly
2825	2840	15	Sandstone, gray, very fine
2840	3179	339	Siltstone and shale, gray; throughout much of this interval there is considerably more siltstone than shale, and several samples contain some very fine gray sandstone; individual samples in this interval not described in detail

Top	Bottom	Thickness	
3179	3194	15	Shale, black, pyritic (Sunbury Shale)
3194	3220	26	Sandstone, gray, fine, pyritic; contains many fine black specks (Berea Sandstone; gas, 3213-3220')

Devonian Shales, 21+ feet

3220	3241	21	Slate, white soft (no sample)
	3241		Total depth