

Boone County Coal Corporation No. 18 Well

Trist, Logan County, W. Va.

Boone County Coal Corporation, Sharples, W. Va.

Located 3.46 mi. W. of 81°50' and 0.27 mi. S. of 37°55' -C- Logan Quadrangle; 3 mi. W. of Monclo.

Elevation, 1765.36' L.

Permit, Log-66.

Drilling commenced July 19, 1940; completed, Sept. 22, 1940.

Shot, Sept. 18, 1940 - depth 3051'.

Gas well; volume and rock pressure not given.

14" casing, 35'2"; 10", 813'2"; 8 1/4", 1552'; 2379'6"; 3" tubing 3100'.

Coal at 198', thickness 36"; 592', thickness 36"; 639' thickness 48"; 734', thickness 12"

The samples available cover most of the interval from 1940 to 3070 feet but depths are given only to the nearest ten feet, so the information obtained from the samples does not have the maximum possible accuracy.

Top	Bottom	Thickness	
			<u>Mauch Chunk Group, 420 feet or more</u>
1870			Reported top of "red rock"
1940	1960	20	Shale, red, calcareous
1960	1980	20	Limestone, light-brown; also considerable red shale and some quartz sand
1980	1985	5	No sample
1985	1995	10	Shale, red, calcareous
1995	2005	10	Shale, red and green, soft
2005	2055	30	Shale, gray, soft, calcareous, partly silty
2055	2065	20	Sandstone, white to light-green, fine, 60%; green sandy shale, 40%
2065	2065	10	Sandstone, white, fine, 80%; red and gray shale, probably cavings, 20%
2065	2070	5	Shale, red and green, 50%; white fine sandstone, 50%
2070	2080	10	Shale, red
2080	2090	10	No sample
2090	2100	10	Shale, red, dolomitic
2100	2120	20	Shale, gray to grayish-green, silty, 70%; brown limestone, 30%
2120	2160	40	Limestone, brown, 60%; shale, gray and green, soft, partly silty, 40%
2160	2180	20	Shale, grayish-red
2180	2190	10	Shale, red
2190	2200	10	Sandstone, gray to white, very fine, 60%; gray shale and siltstone, 30%; red shale, 10%

Top	Bottom	Thickness	
2200	2255	55	Sandstone, nearly white with much rust stain, fine; contains a high proportion of quartz (gas at 2235 to 2255)
2255	2290	35	Limestone, dark-brown to medium-brown, fossiliferous; contains a little gray chert, 2255-2290', and is partly oolitic, 2280-2290'
<u>Greenbrier Limestone, 220 feet</u>			
2290	2300	10	Limestone, very light-brown, 70%; grayish-green, soft shale, 30%
2300	2340	40	Limestone, brown, fossiliferous; also small amounts of gray and green shale
2340	2360	20	Limestone, brown, very fine textured
2360	2380	20	Limestone, light-brown, oolitic
2380	2420	40	Limestone, brown
2420	2440	20	Limestone, brown, somewhat dolomitic, indistinctly oolitic
2440	2470	30	Limestone, brown and red, silty
2470	2495	25	Limestone, light-brown, with small amount of chert
2495	2510	15	No sample, reported as limestone
<u>Macerady Formation, 60 feet</u>			
2510	2515	5	Shale, red, silty
2515	2525	10	Sandstone, light-red, fine, 60%; red siltstone, 40%
2525	2570	45	Siltstone, grayish-green, mixed with some red; contains some very fine green sandstone and a few scattered grains of coarse sand (gas at 2527')
<u>Pocono Formation, 480 feet</u>			
2570	2620	50	Shale, gray, silty
2620	2710	90	Siltstone, gray, partly shaly; some very fine sandstone included with siltstone
2710	2900	190	Shale, gray, distinctly laminated
2900	2920	20	No sample
2920	3010	90	Shale, gray, 70 to 80%; light-gray siltstone and very fine sandstone, 30 to 50%; amount of shale decreases downward
3010	3020	10	Shale, black (Sunbury Shale; depth in record is 3021 to 3033')
3020	3050	30	Sandstone, dark-gray, fine, pyritic (Berea Sandstone; depth in record is 3033 to 3051', 81M)
<u>Devonian Shales, 50+ feet</u>			
3050	3070	20	Shale, gray, silty
	3100		Total depth