

log-64

Boone County Coal Corporation No. 17 Well

Logan District, Logan County, W. Va.

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

Located 2.91 mi. N. of 81°50' and 5.8 mi. S. of 38°00' -NC- Logan Quadrangle.

Elevation, 1827.66' Ls

Permit, Log-64

Drilling commenced Nov. 21, 1939; completed April 4, 1940.

Gas well.

14" casing, 17'7"; 10", 961'5"; 8 1/2", 2224'4"; 6 5/8", 2735'9" (pulled);

5 3/16", 2813'; 5" tubing, 3190'2".

The names of the coals are those given in the record furnished by the Boone County Coal Corporation. The Survey has samples of all of these coals except the one from 20 to 22', and nearly complete samples from 2465 to 3196'. The reported portion of the first "Red Bank" at 2066' makes the thickness of the Mauch Chunk at least 477'.

Top	Bottom	Thickness	
20	22	2	Coal(?)
160	166	6	Coalburg Coal
231	235	4	Little Coalburg Coal
283	285	2	Buffalo Creek Coal
344	347	3	Coal
392	396	3	Winifrede Coal
451	455	4	Chilton Rider Coal
487	491	4	Chilton Coal
696	700	4	Williamson Coal
736	740	4	Upper Cedar Grove Coal
787	790	3	Lower Cedar Grove Coal
			<i>Greenbrier Limestone, 202 feet or more</i>
			Mauch Chunk Group, 17' feet
2465	2482	17	(Position of top not determined) Shale, gray, soft, 60%; brownish-gray limestone, 40%
			Greenbrier Limestone, 102 feet
2482	2500	18	Limestone, dark-brownish gray
2500	2608	108	Limestone, light-brown, mostly very fine textured (gas 2538 to 2544')
2608	2650	42	Limestone, red and brown, somewhat dolomitic; contains a little red to brown chert

Top	Bottom	Thickness	
2650	2667	17	No samples
<u>Macerady Formation, 38 feet</u>			
2667	2705	38	Siltstone, dark-red (gas, 2702')
<u>Pocono Formation, 491 feet</u>			
2705	2720	15	Sandstone, greenish-gray; mostly very fine but contains a few scattered coarse grains
2720	2780	60	No samples; recorded as "slate and shells"
2780	2810	30	Sandstone, gray, very fine; mostly so fine it could just as well be called siltstone
2810	2830	20	Shale and siltstone, gray; also some very fine sandstone
2830	2840	10	Sandstone, gray, very fine
2840	3020	180	Shale, gray, with thin streaks of siltstone and very fine sandstone
3020	3135	115	Shale, gray, interstratified with large amount of lighter gray siltstone and very fine sandstone
3164	3180	16	
3135	3155	20	Shale, dark-gray; also some lighter gray shale and siltstone as above (Sunbury shale)
3155	3180	25	No samples (apparent gap in samples maybe due to correction of depth at top of Berea)
3180	3186	6	Sandstone, dark-gray fine, highly pyritic; shale immediately above is black (Berea Sandstone, 3180 to 3196'; gas at 3182')
3186	3188	2	Sandstone, nearly white, medium-grained (sample is much contaminated and true nature is doubtful)
3188	3196	8	No samples; reported as hard gray sand
	3196		Total depth