

Boone County Coal Corporation No. 16 Well

Logan District, Logan County, W. Va.

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

Located 2.58 mi. W. of 81°50' and 5.67 mi. S. of 38°00' -NC- Logan Quadrangle

Permit, Log-62

Elevation, 1458.65' L.

Drilling commenced Oct. 8, 1939; completed, Oct. 31, 1939.

Gas well, not shot; volume not given; rock pressure 412 lbs. in 24 hours.

Fresh water at 577'; salt water at 1480'.

10" drive pipe, 16'5"; 8 1/2" casing, 1098'; 3" tubing, 1950'6"; all left in.

Coal was encountered at 40-42, 86-88, 193-196, 245-247, 412-415, 432-434, 458-461,

496-498, and 573-577'; samples of coal from 496-498 and 573-577'.

Top	Bottom	Thickness	
<u>Pottsville Formation, 142 feet (shown by Samples)</u>			
1520	1662	142	Sandstone, white, medium-grained, nearly all quartz (SILK at 1520')
<u>Mauch Chunk Group, 278+ feet</u>			
1662	1670	8	Siltstone, gray
1670	1690	20	Limestone, gray to light-brown, very fine textured, 50 to 60%; gray shale and siltstone, 50 to 40%
1690	1695	5	Shale, red
1695	1700	5	No sample
1700	1705	5	Shale, gray and green, 60%; light-gray limestone, 30%; siltstone and very fine sandstone, 10%
1705	1710	5	Shale, red and gray
1710	1715	5	Like 1700 to 1705'; samples probably mixed
1715	1725	10	Shale, red and gray; a little limestone
1725	1750	25	Shale, red, soft, slightly calcareous
1750	1850	100	Siltstone, gray, somewhat dolomitic; individual fragments show every gradation from light-gray and green very fine sandstone to darker gray shaly siltstone and silty shale
1850	1900	50	Shale, gray, soft, calcareous; is a mixture of light- dark-gray fragments with a few bumps of pyrite and a few fossil shell fragments.

Top	Bottom	Thickness	
1900	1940	40	Sandstone, white, fine
1940	1950 $\frac{1}{2}$	10 $\frac{1}{2}$	No sample; reported as sand (gas, 1944-1950 $\frac{1}{2}$ ')
	1950 $\frac{1}{2}$		Total depth