

W. C. Brand No. 1 (1554) Well

Cass District, Monongalia County, W. Va.

By Carnegie Natural Gas Company, Pittsburgh, Pa.

Located 2.06 mi. W. of 80° 00' and 0.4 mi. S. of 39° 40' - EC - Blacks-ville Quadrangle.

Elevation, 1184' L.

Permit Mon-127.

Drilling commenced March 22, 1941; completed, April 30, 1941.

Volume 362,600 cu. ft.; rock pressure 79 lbs. 1 hr.

Salt water 1295', 2 bailers per hour; 1330-1335', hole full.

(Sew ickley)  
Mapletown Coal, 282-288'.

Pittsburgh Coal, 368-378'.

~~Prospect Coal, 1180-1185'~~

by J.H.C. Martens

Section based on examination of samples from 1264 to 1841'. Survey also has samples from 75 to 1264'.

Pottsville Formation, 201 feet

Thick-  
Top. Bottom. ness.

1264	1365	101	Sandstone, white, medium-grained (Third Salt Sand in record).
1365	1422	57	Sandstone, white, coarse- and medium-grained
1422	1442	20	Sandstone, white, coarse, 50%; gray silty shale, 50%
1442	1450	8	Siltstone, gray, micaceous, 60%; gray shale with siderite spherulites, 40%
1450	1458	8	No sample
1458	1465	7	Sandstone, white, medium-grained

Mauch Chunk Group, 185 feet

1465	1475	10	Shale, light-green, silty, with large amount of siderite in spherulites and small concretions
1475	1505	30	Siltstone, light-green, calcareous, 70%; red shale, 30%
1505	1545	40	Shale, red; also some green shale and siltstone
1545	1595	50	Siltstone, green
1595	1610	15	Limestone, gray to brownish, fossiliferous, 60%; soft gray shale, 40%
1610	1615	5	Shale, gray, soft, thinly laminated

Thick-  
Top. Bottom. ness.

1615 1632 17 Shale, gray, soft, thinly laminated; also some red and green shale

1632 1650 18 Siltstone, light-green, highly calcareous

Greenbrier Limestone, 135 feet

1650 1720 70 Limestone, light-brown

1720 1727 7 Limestone, light-brown to nearly white, very sandy, 60%; red and green shale, 40%

1727 1742 15 Limestone, nearly white, very sandy

1742 1750 8 Sandstone, nearly white, medium-grained, highly calcareous

1750 1760 10 Limestone, very light brown, very sandy; about 10% of bright-green siltstone or silty limestone

1760 1769 9 Limestone, very light brown, very sandy, with a few oolites

1769 1785 16 Limestone, very light brown, very sandy; somewhat dolomitic, 1769-1777'

Pocono Formation, 56+ feet

1785 1829 44 Sandstone, white, medium-grained (gas 1795-1800' and 1825-1832')

1829 1841 12 Sandstone, white, medium-grained, 80% gray siltstone, 20%

1841 Total depth.