

Allen Hardman No. 7816 Well

Lee District, Calhoun County, W. Va.

By Hope Natural Gas Company, Clarksburg, W. Va.

Located 4.47 mi. W. of 81°05' and 4.92 mi. S. of 33°55' -C- Arnoldsburg

Quadrangle; on Cook Fork, 3 mi. E. of Sycamore and 1.5 mi. N. W. of Altizer.

Elevation, 902' L.

Permit, (al-474-D)

Completed Oct. 27, 1939; dry hole, plugged and abandoned.

No detailed record available.

Top Bottom Thickness

Pottsville Formation, 192+ feet

1586	1695	109	Sandstone, white, with moderate amount of rust stain on some samples, medium-grained; mostly has very high quartz content.
1695	1702	7	Conglomerate, nearly white; consists mostly of fragments of quartz pebbles
1702	1730	28	Shale, gray, with a few fragmentary plant fossils
1730	1778	48	Sandstone, white, medium-to fine-grained, nearly all quartz

Mauch Chunk Group, 42 feet

1778	1784	6	Shale, gray, highly calcareous and fossiliferous
1784	1789	5	Limestone, brown, 50%; gray shale, 50%
1789	1810	21	Limestone, dark-brown; a little green silty shale from 1805 to 1810'
1810	1815	5	Limestone, dark-brown, sandy
1815	1816	1	Sandstone, white, fine; also small amounts of gray and green shale, gray siltstone, and brown limestone
1816	1818	2	Shale, red and gray
1818	1820	2	Shale, gray

Greenbrier Limestone, 145 feet

1820	1845	25	Limestone, light-brown; samples all contain some shale of various colors, probably cavings
1845	1870	25	Limestone, light-brown (mostly gray when dry)

Top	Bottom	Thickness	
1870	1890	20	Limestone, brown, sandy; amount of sand is rather small
1890	1917	27	Limestone, brown (mostly gray when dry); a little sand 1912 to 1917'
1917	1937	20	Sandstone, light-gray to light-brown, highly calcareous and dolomitic; much of this interval could just as well be called sandy, dolomitic limestone
1937	1965	28	Limestone, light-brown to brownish-gray, very sandy, dolomitic; very small amount of red material at bottom; larger sand grains are well rounded and frosted

Poccano Formation, 95+ feet

1965	1970	5	Shale, gray
1970	2008	38	Sandstone, gray and grayish-green, fine to very fine, 60 to 80%; gray shale, 40 to 20%
2008	2048	40	Shale, gray; with small amounts of siltstone and very fine sandstone
2048	2000	12	Siltstone, gray and green, 60%; gray shale, 40%
	2000		Total depth