

Mary E. Ballard et al No. 1 (581) WellWashington District, Kanawha County, W. Va.

By The Owens, Libbey-Owens Gas Dept.

Located 2.87 mi. W. of 81°45' and 2.5 mi. S. of 38°20' -SE- St. Albans Quadrangle.

Elevation, 639.2' L.

Permit Kan-737; drilled in 1940.

Dry hole.

10" casing, 39'; 8 $\frac{1}{4}$ ", 1522'.

Section based on samples from 1494 to 4676' examined by C. Apscuri.

Top Bottom Thickness

Mauch Chunk Group, 13+ feet

1494	1505	11	Limestone, brown; some gray, laminated shale
1505	1507	2	Shale, gray ("Pencil Cave"; position and thickness from driller's record; no distinct change in color of the limestone was noted at this depth)

Greenbrier Limestone, 200 feet

1507	1527	20	Limestone, brown; some gray shale
1527	1545	18	No samples
1545	1598	53	Limestone, brown to light-brown, partly oolitic
1598	1630	32	Limestone, light-brown, sandy
1630	1660	30	No samples
1660	1668	8	Siltstone, gray, micaceous
1668	1685	17	Limestone, nearly white
1685	1707	22	No samples

Macrady Formation, 40 feet

1707	1747	40	Siltstone, red, micaceous, partly sandy (samples only from 1712-1732')
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Pocono Formation, 454 feet

1747	2152	405	Not sampled; mostly shale and siltstone
2152	2184	32	Shale, brown (Sunbury Shale)
2184	2201	17	Sandstone, white, very fine (Berea Sandstone)

Devonian Shales, 2449 feet

2201	4650	2449	Shale and siltstone, gray to black; only a few scattered samples
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Top Bottom Thickness

Huntersville Chert, 92 feet

4650 4608 58 Limestone, brown to gray, very cherty, and partly sandy;  
samples not complete

4608 4642 34 Limestone white, partly sandy and glauconitic (one  
sample labelled 4630-4635' looks like Oriskany but  
others covering this same interval do not)

Oriskany Sandstone, 23 feet

4642 4665 23 Sandstone, white, medium-grained, calcareous; includes  
some sandy limestone

Helderberg Limestone, 11 feet

4665 4676 11 Limestone, white, cherty

4676 Total depth