

Yawkey and Freeman Coal Company No. 66 Well

Washington District, Boone County, W. Va.

By South Penn Natural Gas Co., Parkersburg, W. Va.

Located 2.91 mi. W. of 81° 50' and 3.89 mi. S. of 38° 05' - SC -

Madison quadrangle.

Elevation, 1063.92' L.

Permit Boo-522.

Drilled in 1942.

Gas well; 21,000 cu. ft. from Big Linn, and 50,000 cu. ft. from Berea.

Section based on samples from 1319 to 1560' and 2003 to 2037',

examined by J. H. C. Martens. The top of the Greenbrier Limestone is not very certainly located, and may be above 1325'.

Thick-
Top. Bottom. ness.

1319 1325 6 Limestone, brown and gray with trace of chert, 70%;
gray shale, 30%

Greenbrier Limestone, 175 feet

1325 1349 24 Limestone, light-brown to very light brown

1349 1365 16 Limestone, very light brown, partly oolitic

1365 1370 5 Limestone, very light brown, oolitic

1370 1377 7 Limestone, very light brown, oolitic, very porous;
pores are spaces between oolites and are lined
with small crystals, mostly of calcite (gas at
1372 - 1375'; blew down from 47,150 cu. ft. to
21,060 cu. ft.)

1377 1383 6 Limestone, very light-brown

1383 1408 25 Limestone, very light brown, oolitic

1408 1419 11 Limestone, very light brown, somewhat dolomitic

1419 1430 11 Limestone, very light-brown and reddish, slightly
sandy; contains some small oolites

1430 1448 18 Limestone, nearly white, oolitic; oolites appear
well cemented

Thick-
Top. Bottom. ness.

1448	1458	10	Limestone, nearly white, dolomitic
1458	1468	10	Limestone, gray, somewhat dolomitic
1468	1475	8	Limestone, very light-brown, with some indistinct oolites
1475	1483	8	Limestone, very light-brown, oolitic
1483	1500	17	Limestone, very light-brown; some dolomite and a little sand near bottom

Maccrady Formation, 50 feet

1500	1527	27	Siltstone and shale, red
1527	1535	8	Siltstone and silty shale, gray
1535	1550	15	Siltstone, red

Focono Formation, 587 feet

1550	1560	10	Shale, gray, silty, 60%; very light gray, very fine sandstone, 40%
1560	1993	433	No samples; probably all shale and siltstone
1993	2008	15	Shale, very dark gray; sample only from 2003 to 2008' (Sunbury Shale)
2008	2025	17	Sandstone, white, mostly fine, but contains some coarse grains. (Berea Sandstone, 2008-2037; show of gas, 2010-2015'; gas 2015-2020', 50,000 cu. ft.)
2025	2037	12	Sandstone, nearly white, very fine
	2037		Total depth.

(Total depth is 2047 on the driller's record.)