

Yaskey and Freeman Coal Company No. 77 Well

Chapmanville District, Logan County, W. Va.

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

Located 2.85 mi. S. of 39°00' and 3.00 mi. W. of 81°55' - 151 - Logan Quadrangle.

Elevation, 866.54'.

Permit Log-25

Drilling commenced Nov. 2, 1942; completed March 6, 1943.

Section based on samples from 1040 to 1077' and 1156 to 1317' examined by

J. H. C. Martens.

Top	Bottom	Thickness	
<u>Manch Chunk Group, 80+ feet</u>			
1040	1060	20	Shale, gray, red and yellow, soft
1060	1068	8	Shale, gray, silty
1068	1077	9	Sandstone, white to light-gray, very fine, 70%; gray shale and siltstone, 30%
1077	1156	79	No samples
<u>Greenbrier Limestone, 232 feet</u>			
1156			Top Big Line in Driller's record.
1156	1185	29	Limestone, brown, with very small amount of light-gray translucent chert
1185	1264	79	Limestone, very light brown
1264	1290	16	Limestone, light-brown, oolitic, slightly sandy
1290	1291	11	Limestone, very light brown
1291	1312	21	Limestone, light-gray to grayish-red, silty
1312	1331	19	Limestone, very light brown, oolitic (gas 1309-1316')
1331	1362	31	Limestone, nearly white, dolomitic; a few red fragments, 1362-1362'
<u>Maconady Formation, 56 feet</u>			
1362	1400	38	Siltstone and silty shale, red; some coarse quartz grains with yellow stain near top and bottom
<u>Poccano Formation, 493 feet</u>			
1400	1462	62	Siltstone and silty shale, gray
1462	1516	54	Shale, gray, very silty
1516	1555	39	Siltstone, light-gray; mostly nearly as coarse as sandstone
1555	1865	300	Shale, gray; small to moderate amounts of siltstone in most samples

Top	Bottom	Thickness	
1855	1880	25	Shale, black (Sambury Shale)
1880	1893	13	Sandstone, white, fine, pyritic near top (Dover Sandstone; SLH 1880*)
			<u>Devonian Shales, 24 feet</u>
1893	1917	24	Shale, gray
	1917		Total depth