

K. J. Snodgrass No. 23 Well

Smithfield District, Roane County, W. Va.

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

Located 2.38 mi. W. of 81°10' and 0.09 mi. S. of 38°40' - WC -

Otter Quadrangle.

Elevation 1033.46' L.

Permit Roa - 443.

Completed Feb. 1944

6 bbls. oil and 41 M gas from Big Injun.

Section based on samples from 1945 to 2081' examined by J.H.C. Martens.

Greenbrier Limestone, 109+ feet

Top	Bottom	Thickness	
1945	1953	8	Limestone, very light brown
1953	1960	7	No sample
1960	1978	18	Limestone, light-brown
1978	1988	10	Limestone, brown; contains some very small oolites or microfossils resembling oolites
1988	2008	20	Limestone, nearly white, oolitic; oolites make up most of the rock and are broken apart to such an extent as to indicate that the rock is not very thoroughly cemented; pore spaces are visible in a few fragments.
2008	2018	10	Limestone, very light-brown, slightly sandy; a few small pores visible, 2008-2015'
2018	2045	27	Limestone, light-brown to nearly white; contains some indistinct oolites or small round objects resembling them
2045	2054	9	Limestone, very light-brown, very sandy; contains some dolomite and a few oolites; sand is fairly coarse

Pocahontas Formation, 27+ feet

2054	2069	15	Sandstone, gray to grayish-yellow, medium-grained; in all the four samples from this interval there are some coarse quartz grains which are broken loose from the rock; contains a little calcite
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Top Bottom Thickness

and dolomite which diminish rapidly from the top down  
(oil and gas, 2057-2080')

2069	2077 $\frac{1}{2}$	8 $\frac{1}{2}$	Sandstone, light-gray, fine, slightly dolomitic
2077 $\frac{1}{2}$	2081	3 $\frac{1}{2}$	Shale, dark-gray
	2081		Total depth by samples