

Samples from South Penn Natural Gas Company, Jan. 1944.

(5264)  
J. A. Gandy No. 1 Well

Slate District, Wood County, W. Va.

By United Fuel Gas Company, Charleston, W. Va.

Located 2.8 mi. S. of 39° 10' and 4.48 mi. W. of 81° 25' -WC- Elizabeth  
Quadrangle.

Elevation, 1657.50' L.

Permit Woo-137.

Dry hole.

13" casing, 7758; 10", 1343'; 8 5/8", 2207'; 7", 5198'.

Section based on samples from 1905 to 5249', examined by J. H. C. Martens,  
omitting most of Devonian Shales. Survey also has samples from  
surface to 1905'.

Pottsville Formation, 1082 feet

Top.	Bottom.	Thick- ness.	
1905	1923	18	Sandstone, light-gray, fine
1923	2013	90	Sandstone, white, mostly coarse

Greenbrier Limestone, 44 feet

2013	2017	4	Limestone, light-brown
2017	2025	8	Limestone, nearly white, very sandy
2025	2028	3	Limestone, light-brown
2028	2054	26	Limestone, very light brown, oolitic, moderately sandy; oolites are mostly broken apart as if loosely cemented
2054	2057	3	Limestone, yellow, somewhat dolomitic; contains some coarse, rounded quartz grains

Pocono Formation, 448 feet

2057	2061	4	Siltstone, gray, fine and shaly; contains many siderite spherulites
2061	2085	24	Sandstone, light-gray, fine; contains some siderite
2085	2106	21	Shale, dark-gray, silty
2106	2125	19	Shale, dark-gray, silty, 70%; light-gray and brown, fine sandstone, 30%

Top.	Bottom.	Thick- ness.	
2125	2135	10	Sandstone, light-gray and light-brown, 70%; dark-gray shale, 30%; sandstone is mostly fine to very fine, but has a few coarse rounded grains
2135	2143	8	Shale, dark-gray, silty, 60%; nearly white, very fine sandstone, 40%
2143	2185	42	Sandstone, gray, fine
2185	2217	32	Shale, gray
2217	2240	23	Shale and siltstone, gray
2240	2272	32	Siltstone, light-gray, with small amount of darker shale
2272	2340	68	Shale and fine siltstone, gray
2340	2455	115	Shale, gray, silty, with small amounts of siltstone
2455	2470	15	Siltstone, light-gray to grayish-green, 70%; gray and green shale, 30%
2470	2485	15	Shale and siltstone, gray
2485	2505	20	Shale, very dark gray (Sunbury Shale); Berea is present as traces of very fine sandstone in sample 2499-2514'; position estimated at 2505'

Devonian Shales, 2662 feet

2505	2698	393	Siltstone and shale, gray; a few pieces of grayish-red shale from 2684 to 2740'
2698	5125	2227	Samples not examined.
5125	5167	42	Shale, black, with fragments of pyrite nodules

Huntersville Chert, 159 feet

5167	5175	8	Limestone, brown, somewhat cherty; also considerable amount of brown siltstone with much biotite
5175	5326	151	Chert and very cherty limestone, light-brown to light-gray; some silt, sand and glauconite in lower part; not described in detail

Oriskany Sandstone, 36 feet

5326	5348	22	Sandstone, white to gray, fine, slightly calcareous heavily stained with iron rust
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Thick-  
Top. Bottom. ness.

5348 5351 3 Limestone, gray, very sandy, fossiliferous  
5351 5362 11 Sandstone, gray, fine, highly calcareous; large amount  
of rust and steel chips

Helderberg Limestone, 64+ feet

5362 5386 24 Limestone, light-gray, cherty  
5386 5389 3 Limestone, brown, very cherty  
5389 5406 17 Limestone, brownish-gray, shaly and cherty  
5406 5426 20 Limestone, brown and gray, cherty  
5411 Total depth, S.L.M.