

Huff Creek District, Wyoming County, W. Va.  
 By Godfrey L. Cabot, Inc., Charleston, W. Va.  
 Located 3.3 mi. S. of 37° 35' and 0.25 mi. W. of 81° 35' - SE - Gilbert Quadrangle.  
 Elevation, 1158.0' L.  
 Permit Wyo-16.

Drilling commenced Sept. 26, 1942; completed April 15, 1943.  
 16" casing, 27'; 13-3/8", 273'; 10 1/2", 1239'; 8 3/8", 2655'; 7", 5770'.  
 Well was not shot. Dry hole.

Section based on samples from 27 to 6002', examined by J. H. C. Martens.  
 Record to RGT from Martens September 16, 1944.

Top. Bottom. Thickness.

POTTSVILLE FORMATION, 1158+ FEET

0 -	27	27	No sample
27 -	60	33	Shale and siltstone, gray to dark-gray, with trace of coal
60 -	70	10	Sandstone, nearly white, medium-grained
70 -	92	22	Shale, gray
92 -	103	11	Sandstone, light-gray, fine
103 -	145	42	Sandstone, white, medium- to coarse-grained
145 -	250	105	Siltstone, gray to nearly white
250 -	368	118	Sandstone, white, with a little rust stain, medium- to fine-grained, nearly all quartz; many grains have crystal faces
368 -	370	2	Sandstone, white, coarse, 80%; coal and black shale, 10%; gray siltstone, 10%; (driller's record gives coal for the interval)
370 -	427	57	Sandstone, very light gray, fine; contains some chlorite, muscovite, siderite, and white clayey material
427 -	459	32	Sandstone, white to light-gray, very fine
459 -	465	6	Sandstone, light-gray, very fine, 70%; gray siltstone, 30%
465 -	484	19	Sandstone, white, with a little brown stain, very fine
484 -	505	21	Shale and siltstone, gray; contains siderite spherulites and concretions
505 -	545	40	Sandstone, light-gray, very fine, also a little darker gray shaly siltstone
545 -	558	13	Siltstone, dark-gray, partly shaly
558 -	601	43	Sandstone, white, medium- to coarse-grained, nearly all quartz
601 -	642	41	Sandstone, white, with some rust stain, coarse to very coarse
642 -	712	70	Sandstone, white, with brown stains, medium-grained
712 -	745	33	Shale, black, highly carbonaceous (coal, 713-715', in driller's record)
745 -	760	15	Siltstone, dark-gray
760 -	770	10	Shale, black, with a little coal
770 -	810	40	Sandstone, light-gray, very fine
810 -	815	5	Sandstone, white, fine, 80%; dark-gray shaly siltstone, 20%
815 -	894	79	Sandstone, white, fine
894 -	927	33	Sandstone, white, mostly fine, with a few coarse grains
927 -	940	13	Sandstone, white, coarse
940 -	978	38	Shale, dark-gray to black
978 -	983	5	Shale and siltstone, gray
983 -	987	4	Shale, gray
987 -	1002	15	Sandstone, gray, very fine, 60%; gray shale and siltstone, 40%
1002 -	1006	4	No sample
1006 -	1033	27	Sandstone, light-gray to nearly white, fine
1033 -	1036	3	Siltstone and shale, gray (coal, 1033-1035', in record)
1036 -	1062	26	Sandstone, light-gray, fine
1062 -	1065	3	Shale, dark-gray to black
1065 -	1077	12	Siltstone, gray, shaly
1077 -	1095	18	Shale, dark-gray, silty

Top.	Bottom.	Thickness.	
1800	- 1806	6	Shale, red
1806	- 1815	9	Siltstone and shale, red
1815	- 1827	12	Siltstone, gray and green
1827	- 1852	25	Sandstone, white to light-gray, very fine, calcareous
1852	- 1864	12	Shale, gray and grayish-red
1864	- 1875	11	Siltstone, gray, shaly
1875	- 1881	6	Shale and siltstone, gray
1881	- 1884	3	Siltstone, gray, dolomitic
1884	- 1894	10	Shale, gray, silty
1894	- 1903	9	Shale, gray, green, and red, 60%; green siltstone, 30%; light-gray dolomite, 10%
1903	- 1930	27	Shale and siltstone, gray and green
1930	- 1943	13	Sandstone, green to white, fine, 60%; green, gray, and red shale, 40%
1943	- 1976	33	Shale, dark-gray, calcareous
1976	- 2067	91	Sandstone, white, fine to very fine; some samples contain gray and green shale cavings (gas, 2025'; no test)
2067	- 2108	41	Shale, red, partly silty
2108	- 2124	16	Shale, green, 50%; red shale, 30%; brownish-gray dolomite, 20%
2124	- 2139	15	Siltstone, gray, shaly
2139	- 2144	5	Shale and fine siltstone, gray
2144	- 2166	22	Shale, very dark gray, thinly laminated, 60%; light-gray and light-green siltstone, 40%
2166	- 2172	6	Limestone, dark brownish gray, 60%; gray shale and siltstone, 40%
2172	- 2177	5	Siltstone, dark-gray, fine, highly calcareous
2177	- 2186	9	Shale, gray, 80%; gray limestone, 20%
2186	- 2193	7	Shale, red, silty, micaceous
2193	- 2213	20	Shale, gray and green; also some siltstone, limestone, and red shale
2213	- 2222	9	Dolomite, gray, very fine textured, 60%; gray shale, 40%
2222	- 2235	13	Siltstone, dark-gray, shaly
2235	- 2249	14	Shale, very dark gray, silty
2249	- 2256	7	Shale, very dark gray, 70%; white, very fine sandstone, 30%
2256	- 2325	69	Sandstone, white, very fine; broken into small chips rather than into individual grains; most samples contain various kinds of shale, probably cavings
2325	- 2334	9	Shale, dark-gray, highly calcareous and fossiliferous
2334	- 2354	20	Shale, dark-gray, distinctly laminated
2354	- 2360	6	Limestone, dark-gray, silty, 50%; gray shale, 50%
2360	- 2382	22	Limestone, dark-gray, with light spots, fossiliferous, 50 to 60%; dark-gray shale, 50 to 40%
2382	- 2401	19	Limestone, dark brownish gray, with some white spots; also much gray shale, probably cavings
2401	- 2411	10	Limestone (two samples of different types of limestone with this depth label)
2411	- 2419	8	No sample
2419	- 2438	19	Limestone, brownish-gray, fossiliferous, 60%; gray and green calcareous shale, 40%
2438	- 2445	7	Limestone, brownish-gray, fossiliferous, 70%; gray shale, 30%
2445	- 2455	10	Shale, gray, calcareous, 50%; gray limestone, 50%
2455	- 2476	21	Limestone, dark-gray, shaly, fossiliferous
2476	- 2486	10	Limestone, brown, with white spots
2486	- 2494	8	Limestone, light-gray, fossiliferous and oolitic
2494	- 2506	12	Limestone, light-brown, fossiliferous; also some gray shale
2506	- 2523	17	Limestone, very dark gray, shaly; also some gray shale of "Pencil Cave" type
2523	- 2532	9	Limestone, dark-brown, with some gray shale

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Top.	Bottom.	Thickness.	
5520	- 5540	20	Shale, gray to very dark gray
5540	- 5654	114	Shale, very dark gray to black, 50 to 70% medium-gray shale, 50 to 30%
5654	- 5731	77	Shale, black, pyritic HUNTERSVILLE CHERT, 44 FEET
5731	- 5737	6	Shale, black, 90%; brown cherty limestone, 10%
5737	- 5747	10	Shale, black, 70%; brown cherty limestone, 30%
5747	- 5751	4	Limestone, brown, very cherty
4751	- 5756	5	Limestone, brown, very cherty and silty; contains a little glauconite
5756	- 5761	5	No sample
5761	- 5767	6	Limestone, brown, very cherty and silty; contains a little glauconite
5767	- 5770	3	No sample
5770	- 5775	5	Limestone, brown, silty and cherty; sample contains also a little sand and glauconite and much steel from the drill ORISKANY SANDSTONE, 12 FEET
5775	- 5782	7	Sandstone, white, fine, calcareous; many of grains are rounded and frosted
5782	- 5787	5	Sandstone, like that above, 70%; gray cherty limestone, 30% HELDERBERG LIMESTONE, 108 FEET
5787	- 5807	20	Limestone, light-gray, cherty, silty, and fossiliferous
5807	- 5811	4	No sample
5811	- 5819	8	Limestone, dark-gray, silty and cherty; contains many small specks of pyrite
5819	- 5835	16	Limestone, dark-gray, with light spots, cherty, silty, and fossiliferous; contains a little glauconite
5835	- 5857	22	Limestone, gray and white, fossiliferous; contains some chert and silt but less than most of limestone above
5857	- 5862	5	Limestone, gray, sandy
5862	- 5875	13	Limestone, dark-gray, somewhat cherty, with many small specks of pyrite
5875	- 5895	20	Limestone, very dark gray, shaly and pyritic; contains only small amount of chert CATUGAN GROUP, 107+ FEET
5895	- 5914	19	Limestone, brown, very fine textured, dolomitic
5914	- 5948	34	Limestone, dark-brown, dolomitic
5948	- 5975	27	Limestone, brown, highly dolomitic, with small amount of white anhydrite
5975	- 6002	27	Limestone, dark-brown, slightly dolomitic; a little chert, 5998-6002'
	6002		Total depth