

F-6377
Wyo-21

John Gilbert, Trustee No. 3 (1076) Well

Baileysville District, Wyoming County, W. Va.

By Godfrey L. Cabot, Inc., Charleston, W. Va.

Located 3.31 mi. S. of 37°35' and 4.3 mi. W. of 81°35' - SC - Pineville
Quadrangle.

Elevation 1462.18' L.

Permit Wyo-21.

Drilling commenced December 13, 1942; completed August 3, 1943.

1 3/8" casing 132'; 10 5/8", 533'; 8 5/8", 2462'; 5 3/16", 2616'; 2" tubing
3678'.

Gas well, 440,000 cu. ft. from Berea.

Section based on samples from 427 to 886', examined by J. H. C. Martens.

Pottsville Formation, 1062 feet

Top	Bottom	Thickness	
0	427	427	No samples
427	460	33	Siltstone, dark-gray
460	515	55	Shale, dark-gray
515	535	20	No sample
535	695	160	Shale, black, with traces of coal in a few samples
695	710	15	Siltstone, gray
710	730	20	Sandstone, white, fine
730	770	40	Sandstone, white, with a little rust stain, medium-grained; nearly all quartz, with crystal faces on many grains
770	786	16	No sample
786	822	36	Sandstone, white, fine to medium-grained
822	827	5	Sandstone, white, medium-grained, 98%; coal, 2%
827	831	4	Sandstone, white, coarse
831	856	25	Sandstone, white, medium-grained
856	871	15	Sandstone, white, medium-grained, 70%; gray siltstone, 30%
871	886	15	Shale, very dark gray, 90%; coal 10%
886	890	4	Sandstone, light-gray, fine
890	896	6	Siltstone, dark-gray, shaly, 60%; white, medium-grained sandstone, 40%

Top	Bottom	Thickness	
896	930	34	Sandstone, light-gray, fine to very fine
930	933	3	Coal (from driller's record)
933	944	11	Sandstone, light-gray fine
944	954	10	Shale, gray, micaceous, with a little coal
954	1005	51	Sandstone, light-gray, very fine, calcareous
1005	1045	40	Sandstone, white to light-gray, with a little brown stain, fine to very fine
1045	1052	7	Shale, very dark gray
<u>Mauch Chunk Group, 1561 feet</u>			
1052	1069	17	Shale, light-gray, silty, with many siderite spherulites
1069	1073	4	Sandstone, white, fine, with brown specks of siderite, 60% shale like that above, 40%
1073	1126	53	Sandstone, nearly white, with some green and brown specks, fine - to medium-grained
1126	1130	4	Sandstone, gray, very fine
1130	1153	23	Sandstone, nearly white, fine
1153	1157	4	Sandstone, white, medium-grained, 80%; gray shale and siltstone, 20%
1157	1164	7	Sandstone, white, fine
1164	1175	11	Sandstone, white, fine, 60%; gray silty shale, 40%
1175	1194	19	Sandstone, white, medium-grained
1194	1200	6	Shale, gray, very silty
1200	1204	4	Shale, gray, silty, 50%; light-gray fine sandstone, 50%
1204	1209	5	Shale, gray and light-green, silty
1209	1240	31	Shale, greenish-gray, very silty, 90%; red shale, 10%
1240	1260	20	Siltstone, greenish-gray, shaly
1260	1275	15	Clay and soft shale, gray
1275	1286	11	Shale, red, 60%; light-green, calcareous siltstone, 40%
1286	1300	14	Siltstone, very light grayish-green, calcareous
1300	1315	15	Siltstone, gray, sandy
1315	1452	117	Shale, dark-gray, with a few thin streaks of siltstone
1452	1475	23	Sandstone, nearly white, very fine
1475	1500	25	Shale and siltstone, dark-gray
1500	1505	5	Siltstone, light-gray
1505	1514	9	Siltstone, gray, sandy (?); sample is mostly gray clay,

Top	Bottom	Thickness	
			believed to be savings
1514	1521	7	Shale, red and gray, sandy
1521	1532	11	Sandstone, white, fine
1532	1545	13	Clay and shale, gray, 70%; green, very fine sandstone, 30%
1545	1573	18	Sandstone, white, medium-grained
1573	1588	15	Shale, dark-gray, distinctly laminated
1588	1596	8	Siltstone, green, sandy, 60%; dark-gray shale, 40%
1596	1604	8	Siltstone, gray to green, sandy and shaly, 80%; gray shale, 20%
1604	1610	6	Shale, gray, with fossil shells
1610	1662	52	Limestone, gray, very fine, mostly shaly
1662	1680	18	Shale, red
1680	1696	16	Shale and siltstone, red
1696	1712	16	Shale, gray, silty
1712	1729	17	No sample
1729	1734	5	Sandstone, light-gray, very fine, calcareous
1734	1844	110	Shale, red, mostly calcareous, and dolomitic, (also two samples of gray siltstone labelled as being from 1734-1744)
1844	1871	27	Shale, gray, very silty
1871	1880	9	Siltstone, gray, 70%; gray and red shale, 30%
1880	1924	44	Sandstone, white with some gray streaks, very fine
1924	1960	36	Sandstone, white, fine to very fine
1960	2009	49	Shale, very dark gray
2009	2025	16	Siltstone, gray
2025	2097	72	Sandstone, nearly white, very fine; most samples contain some gray shale, probably savings
2097	2170	73	Sandstone, white, fine
2170	2175	5	Shale, gray and green, soft
2175	2195	20	Shale, red
2195	2205	10	Shale, green and dark-gray, dolomitic
2205	2223	18	Shale and siltstone, dark-gray
2223	2265	42	Shale, dark-gray, soft, distinctly laminated

Top	Bottom	Thickness	
2265	2275	10	Sandstone, light-gray, very fine, dolomitic, 60%; dark-gray shale, 40%
2275	2285	10	Shale, red, silty
2285	2295	10	Shale, gray, soft
2295	2316	21	Dolomite, light-gray, 50%; gray and green shale, 50%
2316	2346	30	Limestone, dark-gray, dolomitic, 50%; gray shale, 50%
2346	2356	10	Siltstone, gray
2356	2384	28	Sandstone, light-gray, very fine
2384	2459	75	Shale, gray, soft, distinctly laminated; a few fossil shells in lower part
2459	2489	10	Shale, gray, 90%; gray limestone, 10%
2489	2496	17	Shale, gray, 70%; gray fossiliferous limestone, 30%
2496	2500	14	Shale, gray, soft, distinctly laminated, with small amount of gray limestone
2500	2514	14	Limestone, gray with white spots, 60%; gray, laminated shale, 40%
2514	2534	20	No sample
2534	2537	3	Shale, gray, laminated, 70%; brownish-gray limestone, 30%
2537	2557	20	Shale, gray, 80%; medium-grained, rust stained sand, 40% (sand may be result of accidental contamination)
2557	2565	8	Shale, gray, soft, laminated
2565	2575	10	Limestone, dark-gray, shaly, fossiliferous, 50%; gray shale, 50%
2575	2613	38	Limestone, dark-gray, shaly, fossiliferous <u>Greenbrier Limestone, 394 feet</u>
2613	2617	4	Limestone, dark brownish gray, with white spots
2617	2642	25	Limestone, brownish-gray mixed with white
2642	2660	18	Limestone, very dark gray, shaly
2660	2678	18	Limestone, dark-brown
2678	2688	10	Limestone, very dark gray, shaly
2688	2697	9	Limestone, dark-brown
2697	2728	31	Limestone, very light-brown, calcitic
2728	2738	10	Limestone, light-brown

Top	Bottom	Thickness	
2738	2743	5	Limestone, light-brown, oolitic
2743	2777	34	Limestone, brown
2777	2802	25	Limestone, dark-brown
2802	2913	111	Limestone, very light brown
2913	2990	77	Limestone, very light brown, oolitic; a few clear fragments of anhydrite and small doubly terminated quartz crystals, 2913-2945'
2990	3007	17	Limestone, white to light-brown; slightly dolomitic, 75%; white anhydrite, 5%; red calcareous shale, 20%
<u>Mascady Formation, 96 feet</u>			
3007	3068	61	Siltstone, red
3068	3079	11	Siltstone, and shale, red
3079	3089	10	Siltstone, gray and grayish red
3089	3103	14	Siltstone, grayish-red
<u>Pocoho Formation, 562 feet</u>			
3103	3161	58	Siltstone, gray, sandy
3161	3190	29	Siltstone, gray
3190	3232	42	Siltstone, gray; also a little coarse sandstone with red dolomitic cement
3232	3293	61	Siltstone and silty shale, gray
3293	3355	62	Shale, gray, 80%; light-gray, very fine sandstone, 20%
3355	3455	100	Shale and siltstone, gray
3455	3602	147	Shale, dark-gray
3602	3618	16	Shale, dark-gray, 50%; gray to dark-gray siltstone, 50%
3618	3637	19	Shale, dark-gray
3637	3650	13	Shale, very dark gray to black
3650	3660	10	Shale, gray to black, mostly silty, 50%; light-gray siltstone, 50%
3660	3667	7	Sandstone, light-gray, very fine, 80%; gray to black shale, 20% (Berea Sandstone, 3660-3665')
3667	3670	3	Sandstone, nearly white, very fine
3670	3685	15	Sandstone, white, mostly fine, with a few coarse to very coarse grains
3685			Total depth, corrected to 3678' by SLM