

C. C. Sharp No. 1 (1045) Well

Center District, Wyoming County, W. Va.

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

Located 3.67 Mi. S. of 37°-40' and 2.3 Mi. W. of 81°30' - ^{EC} Pineville Quad-
rangle.

Elevation, 1426' L.

Permit, Wyo. 14

Drilling commenced June 29, 1942; completed Sept. 10, 1942.

Acidized with 3000 gals. Sept. 14, 1942 at 2090-2254'

Gas pays, Little Lime 2090-2092', 424,000 Cu. Ft. Initial production, gross
gauge; Big Lime, 2252-2254', 445,000 Cu. Ft. initial production, gross
gauge before acidizing; volume after acidizing and tubing, 561,000 Cu.Ft.

Section based on examination of samples from surface to 2504' by J. H. C.
Martens.

Top	Bottom	Thickness	
<u>Pottsville Formation, 668 1/2 feet.</u>			
0	12	12	Sandstone, brown, medium-grained
12	20	8	Sandstone, brown, medium-grained, 60% gray silty shale, 40%
20	68	48	Sandstone, gray to brownish, medium-grained; contains siderite
68	80	12	No Sample
80	86	6	Coal; also some fine gray sandstone
86	107	21	Sandstone, gray, fine to medium-grained; con- tains mica, chlorite, siderite and carbona- ceous matter
107	114	7	Siltstone, gray
114	178	64	Sandstone, gray, fine; micaceous in upper part
178	187	9	Shale, black
187	208	21	Shale, black, silty
208	213	5	Shale, black, 60%; white to gray siltstone and very fine sandstone, 40%
213	216	3	Shale, black
216	227	11	Shale, black, silty, 60%; light-gray, sandy siltstone 40%

Top	Bottom	Thickness	
227	233	6	Siltstone, dark gray; Mostly shaly 70%, coal 30%
233	255	22	Shale, dark gray to black, mostly silty, with little coal.
255	260	5	Siltstone, gray, 40%; coal, 30%; nearly white fine sandstone, 30%
260	263	3	Siltstone, gray, 60%; white fine sandstone 40%
263	269	6	Sandstone, nearly white, fine; also some dark gray to black shale and siltstone
269	277	8	Siltstone, dark-gray, shaly
277	299	22	Shale, dark gray, silty
299	308	9	Shale, black
308	316	8	Siltstone, gray, 70%; black shale, 20%; white very fine sandstone, 10%
316	321	5	Siltstone, gray, 40%; black shale, 30%; white very fine sandstone 30%
321	325	4	Sandstone, white to light gray, very fine
325	329	4	Sandstone, white, fine
329	349 352	20 23	Sandstone, white with some rust stain, medium- grained, nearly all quartz
3497	457	108	Sandstone, white, mostly coarse to very coarse, nearly all quartz; many samples contain frag- ments of quartz pebbles
457	464	7	Shale, black
464	468	4	Siltstone, gray
468	476	8	Coal and black shale, 60%; gray, very fine sandstone, 40%
476	487	11	Sandstone, light gray, fine
487	492	5	Siltstone and silty shale, gray, with siderite concretions
492	500	8	Sandstone, light gray, fine
500	506	6	Shale, dark gray, silty
506	532	26	Siltstone, gray, with brown specks of siderite, very sandy

Top	Bottom	Thickness	
532	580	48	Sandstone, light gray, very fine; contains mica, siderite and carbonaceous matter
580	593	13	Shale, dark-gray to black, silty
593	597	4	Shale, black, with siderite concretions and a little coal
597	601	4	Siltstone, gray, sandy, 50%; dark gray to black shale, 30%; coal, 20%
601	607	6	Shale, dark-gray
607	636	29	Siltstone, gray to dark-gray, mostly shaly
636	651	15	Siltstone, very dark gray, shaly
651	668	17	Siltstone and silty shale, gray to dark gray
<u>Mauch Chunk Group, 1580 feet.</u>			
668	690	22	Shale, gray, silty, micaceous, with siderite sperulites
690	709	19	Siltstone, gray
709	714	5	Shale and siltstone, gray
714	781	17	Sandstone, light gray, medium-grained
731	738	7	Siltstone, gray, shaly, micaceous
738	750	12	Siltstone, light gray coarse
750	768	18	Sandstone, gray to brownish, very fine, silty
768	810	42	Sandstone, light gray to white, fine; a few coarse grains at bottom
810	815	5	Shale and siltstone, brownish-gray, slightly dolomitic 80%; red shale, 20%
815	825	10	Siltstone, gray, fine, 80%; red shale, 20%
825	828	3	Siltstone, gray 50%; red shale, 30%; brownish-gray dolomitic shale, 20%
828	844	16	Shale, grayish-red, calcaceous
844	851	7	Siltstone, gray
851	858	7	Shale, red, slightly calcaceous
858	879	21	Siltstone and shaly, gray
879	959	80	Siltstone, gray to dark gray, shaly
959	1009	50	Shale, dark-gray, distinctly laminated

Top	Bottom	Thickness	
1009	1102	93	Siltstone, light gray, coarse, sandy toward bottom
1102	1107	5	Sandstone, white, very fine (Ravencliff Sand, 1002 - 1188')
1107	1126	19	Sandstone, white, medium-grained
1126	1131	5	Sandstone, white, very coarse
1131	1188	57	Sandstone, white, medium to coarse-grained, nearly all quartz
1188	1191	3	Shale, gray
1191	1197	6	Shale, gray, with fossil shell fragments
1197	1260	63	Limestone and highly calcareous shale, gray (Avis Limestone)
1260	1270	10	No sample
1270	1450	180	Shale, red, mostly calcareous
1450	1493	43	Shale and siltstone, red to greyish-red
1493	1504	11	Dolomite, brown, very fine textured, 80%; gray shale and siltstone, 20%
1504	1540	36	Siltstone, gray
1540	1570	30	Shale and siltstone, red with some gray and green
1570	1577	7	Shale, gray to greenish, silty and calcareous
1577	1580	3	No sample
1580	1589	9	Siltstone, gray
1589	1605	16	Shale and siltstone, gray with a few fossil shells
1605	1616	11	† <i>Shale, gray</i>
1616	1630	14	Shale, gray to black, 70%; gray siltstone, 30%; trace of coal
1630	1633	3	Shale, dark gray to black, with trace of coal
1633	1645	12	Shale and siltstone, gray
1645	1692	47	Sandstone, white to light-gray, very fine; some shale cavings throughout
1692	1731	39	Sandstone, light gray, fine to medium grained
1731	1734	3	Shale, gray, distinctly laminated, 80%; gray limestone, 20% (sample out of place?)

Top	Bottom	Thickness	
1734	1779	45	Sandstone, white, fine to very fine, nearly all quartz
1779	1797	18	Shale, red.
1797	1802	5	Shale, grayish green
1802	1837	35	Shale, grayish-green, dolomitic
1837	1860	23	Shale, gray to grayish-green, silty
1860	1868	6	Limestone, dark brownish gray, 70%; gray shale 30%
1868	1877	11	Shale and siltstone, gray
1877	1897	20	Shale and siltstone, red
1897	1911	14	Shale and siltstone, gray to greenish
1911	1919	8	Dolomite, light gray, 40%; gray shale 30%
1919	1936	17	Limestone, nearly black, shaly
1936	1941	5	Shale, black
1941	1945	4	No sample
1945	1947	2	Shale, black, 70%; light gray, coarse siltstone, 30%
1947	1955	8	Siltstone, gray to white, coarse
1955	1965	10	No sample
1965	1980	15	Shale, dark-gray, silty
1980	2041	61	Shale, dark-gray, distinctly laminated and ^{jointed} closely-grained
2041	2068	27	Shale, dark-gray, 80 to 90%; gray, fossiliferous limestone, 20 to 10%
2068	2073	5	No sample
2073	2080	7	Limestone, very dark brownish-gray, 70%; dark-gray shale, 30%
2080	2095	15	Limestone, gray to nearly white, oolitic, porous, 50%; dark-gray shale 50%; some fossils in limestone (gas pay, 2090-2102')
2095	2102	7	Limestone, light-gray and light-brown, oolitic and fossiliferous.
2102	2107	5	Limestone, brown and white, partly oolitic, 60%; dark gray shale 40%
2107	2111	4	Limestone and shale, gray

Top	Bottom	Thickness	
2111	2116	5	Limestone, very dark brown, 90%; gray shale 10%
2116	2119	3	Limestone, very dark brown, with a little shale
2119	2175	56	Shale, dark-gray, calcareous and fossiliferous, 80%; brown to gray limestone, 20%
2175	2200	25	Limestone, brown with some white spots, 80 to 90%; gray shale, 20 to 10%
2200	2208	8	Siltstone, green, calcareous, 50%; brown and white limestone, 30%; red and gray shale, 20%
2208	2221	13	Shale, gray, distinctly laminated, fossiliferous, 60%; gray, fossiliferous limestone, 40%
2221	2241	20	Limestone, gray to brownish, highly fossiliferous, shaly; also some gray to dark-gray shale
2241	2248	7	Shale, gray to dark-gray, fossiliferous, with few veinlets of white calcite
2248	2262	14	<u>Greenbrier Limestone, 256, plus feet</u> Limestone, white to very light brown, oolitic and fossiliferous; slightly dolomitic and contains some very small quartz crystals (Gas pay 2252-2254')
2262	2298	36	Limestone, light-brown
2298	2313	15	Limestone, light-brown; contains a little light-brown chert
2313	2322	9	Limestone, brown
2322	2339	17	Limestone, brown and white, partly oolitic
2339	2361	22	Limestone, brown and gray
2364	2381	17	Limestone, brown and gray, indistinctly oolitic, slightly sandy
2381	2481	100	Limestone, light-brown
2481	2488	7	Limestone, light-brown, oolitic
2488	2504	16	Limestone, light-brown
	2504		Total depth