

OLD No. 714
Siler Coal Land Co. #17
Washington District
Kanawha County, W. Va.
Elevation: 694.4'
Box 53

kan. 1218

Examined: 1-17-1946

1 - 4	1307 - 1335	Gray and light gray limestone. Drills fine to medium.
5	1336 - 1343	Dark gray impure limestone and gray mudstone. Drills medium.
6	1343 - 1350	Mottled light and dark gray limestone. Drills medium.
7 - 10	1350 - 1371	Very light gray limestone. Drills medium to fine. (7" Casing set at 1371.)
11	1371 - 1380	Brown limestone. Drills fine.
12 - 14	1380 - 1400	Gray and light gray limestone. Drills medium.
15	1400 - 1407	Dense tan limestone. Drills medium.
16 - 20	1407 - 1460	White crystalline limestone. Drills medium.
21	1460 - 1468	Very light tan slightly oolitic limestone, a few white round frosted quartz sand grains. Drills fine.
22	1468 - 1475	Very light gray limestone, a few sand grains. Drills medium. (19 M Gas at 1475.)
23 - 24	1475 - 1488	Very light gray to white crystalline limestone. Drills medium.
25	1488 - 1493	Do, some white limestone, oolitic.
26 - 27	1493 - 1510	White limestone. Drills medium. Very light tan limestone with some oolites. Drills medium to fine.
28 - 29	1510 - 1524	Dense very light tan limestone. Drills fine.
30 - 33	1524 - 1557	Red fine-grained siltstone, some white frosted rounded flattened quartz pebbles and brown siltstone. Drills medium to fine pieces.
34	1557 - 1567	Brown siltstone and light red mudstone. Drills medium pieces.

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35 - 37	1568 - 1597	Brown siltstone and light red mudstone with many large fragments of milchy white quartz pebbles. Very smooth on unbroken surfaces. Drills medium pieces with some fragments of broken quartz pebbles.
38	1597 - 1607	Twenty-five per cent brown siltstone, 75 per cent very dark gray mudstone. Drills medium.
39 - 41 * * * *	1607 - 1633	Very dark gray silty mudstone. Drills medium to fine.
42	2032 - 2037	Very fine white quartz sandstone. Drills individual dull, opaque grains.
43 - 44	2037 - 2051	Dark gray siltstone, lighter, less silty at base. Drills fine pieces.
45 - 46	2051 - 2065	Gray siltstone and mudstone. Drills fine pieces.
47 - 51	2065 - 2114	Gray silty mudstone. Drills very fine to medium.
52 - 55	2114 - 1262	Gray mudstone. Drills fine pieces.
56 - 57	2162 - 2192	Gray siltstone and mudstone (mostly mudstone). Drills medium.
58 - 64	2192 - 2274	Gray mudstone, some dark gray, less dark gray at base. Drills fine to medium.

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65 - 74	2274 - 2394	Gray mudstone and white siltstone shell, also some very light gray siltstone. Pyrite in siltstone at base. Drills fine. (Gas inc. from 0 to 1,386 CF.)
75	2394 - 2400	Very light gray, slightly limy siltstone with a little gray mudstone.
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76 - 84	2405 - 2514	Gray mudstone and light gray siltstone shell, slightly limy. Drills fine to medium.
85 - 90	2514 - 2582	Gray mudstone, a little gray siltstone, micaceous. Drills medium to fine.
91 - 94	2582 - 2640	Gray mudstone, very little silt. Drills fine.
95 - 97	2640 - 2670	Gray mudstone. Drills medium.
98 - 99	2670 - 2697	Light and dark gray mudstone. Drills medium.
100 - 110	2697 - 2833	Gray mudstone, some dark gray mudstone and some light gray siltstone shell. Drills medium to fine. No lime.
111 - 117	2833 - 2920	Gray mudstone, some dark gray, and some siltstone. No lime. Drills fine.
118 - 121	2920 - 2971	Gray and some dark gray mudstone. Some siltstone. No lime. Drills fine.
122 - 124	2971 - 3010	Do, some lime shell, a little light Brown Shale.
125	3010 - 3016	Light gray silty mudstone and siltstone. Some slightly limy and a little Brown Shale. Drills fine.
126	2016 - 3024	Do, hardly any Brown Shale
127 - 128	3026 - 3050	Do, a little more Brown Shale, less lime.
129 - 131	3050 - 3087	Do, more mudstone - less siltstone. Very little lime.
132 - 135	3087 - 3127	Light gray mudstone and slightly limy siltstone and some Brown Shale. Drills medium to fine.
136 - 141	3127 - 3185	Light gray and gray mudstone and light gray silty mudstone. Very little Brown Shale. A little lime. Drills fine to very fine.
142 - 145	3185 - 3218	Light gray mudstone and silty mudstone and some very light gray limy siltstone. Hardly any Brown Shale. Drills fine.
146 - 148	3218 - 3260	Dark carbonaceous Brown Shale, some gray mudstone and some limy siltstone shell. Very little lime. Drills medium.
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149	3283 - 3293	Gray mudstone and some light gray siltstone and a little dark Brown Shale. Very little limy siltstone. Drills medium.
150 - 153	3293 - 3343	Very light gray silty mudstone and a little limy siltstone. Some Brown Shale. Drills medium.
154 - 157	3343 - 3383	Very light gray mudstone, gray siltstone and some limy siltstone. Some Brown Shale. Drills medium.
158 - 160	3383 - 3425	Gray mudstone and light gray silty mudstone and limy siltstone and Brown Shale. Drills fine. Pyrite.
161 - 163	3425 - 3462	Light gray mudstone and silty mudstone, some light gray limy siltstone and a little Brown Shale. Pyrite. Drills fine.

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164	3462 - 3471	Light gray mudstone and silty mudstone, some light gray limy siltstone and a little Brown Shale, pyrite. Drills very fine. More limy sand shell.
165	3471 - 3482	Do, less lime shell. Drills fine.
166 - 168	3482 - 3512	Do, black carbonaceous Shale. A little gray mudstone and light gray limy siltstone shell. Drills medium.
169 - 170	3512 - 3540	Gray mudstone and some light gray limy siltstone and a little Brown Shale. Drills medium to fine.
171 - 173	3540 - 3573	Brown Shale and gray mudstone and some light gray limy siltstone shell. Drills medium.
174 - 175	3573 - 3606	Gray mudstone and Brown Shale and light gray mudstone and some light gray limy siltstone shell. Drills fine.
176 - 178	3606 - 3639	Dark Brown Shale 50 per cent, gray mudstone and siltstone shell 50 per cent. No lime. Drills medium.
179 - 180	3639 - 3659	Sixty-seven per cent gray mudstone, 33 per cent Brown Shale. Pyrite.
181 - 184	3659 - 3727	Fifty per cent Brown Shale, 50 per cent gray mudstone. Pyrite.
185 - 186	3727 - 3750	Light gray mudstone and gray mudstone and some Brown Shale. Pyrite. Drills medium. Some lime.
187 - 191	3750 - 3809	Do, Hardly any Brown Shale.
192 - 195	3809 - 3851	Light blue gray mudstone and limy silty mudstone. A very little Brown Shale. Drills fine.

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196 - 200	3851 - 3916	Light blue gray limy silty mudstone and gray mudstone and some Brown Shale. Drills medium to fine.
201 - 202	3916 - 3943	Gray mudstone and light gray mudstone, and light gray silty limy mudstone. Drills medium.
203 - 206	3943 - 4002	Light gray limy mudstone and some gray mudstone. Some silty mudstone. Drills medium to fine.
207 - 214	4002 - 4106	Gray and light gray limy silty mudstone. A little Brown Shale, pyrite. Drills medium to fine.
215 - 216	4106 - 4141	Gray limy slightly silty mudstone and a little Brown Shale. Drills medium to fine.
217 - 221	4141 - 4240	Brown Shale, gray mudstone and light gray limy slightly silty mudstone. Drills fine. Pyrite.
222 - 224	4240 - 4257	Gray very slightly limy mudstone and Brown Shale. Some light gray silty mudstone and some limestone shell. Drills medium to fine.
225 - 227	4257 - 4293	Brown Shale, dark gray mudstone and some light gray silty mudstone. A little limy mudstone. Pyrite. Drills fine.
228 - 231	4293 - 4360	Brown Shale and dark gray mudstone. No lime. Pyrite. Medium to fine.
232 - 233	4360 - 4380	Gray mudstone and some Brown Shale. Some limestone shell. Pyrite. Drills medium to fine.
234	4380 - 4393	Black carbonaceous Shale. Some light brown mudstone and some lime shell. Pyrite. Drills fine.
235 - 236	4393 - 4417	Black carbonaceous Shale and Brown limy Shale. Pyrite. Drills fine.
237	4417 - 4421	Brown limestone with light chert. ("Corniferous" Lime)

Total Depth 4421

Brown Shale 354