

OLO No. 688
Little Coal Land Co. No. 29
Wash. ~~Seat~~ District, Boone County
West Virginia
Elevation: 1302.1
Box No. 22

Boo 623

Examined: 12-26-1944

1 - 3	1765 - 1781	Fine-grained white quartz sand. Pyrite. Drills fine pieces. (Maxton Sand)
4 - 6	1781 - 1792	Dark gray to black mudstone. Pyrite. Drills fine to coarse.
7 - 8	1792 - 1797	Dark gray mudstone, some in pencils, and some black slickensided mudstone. Drills fine to coarse. Will cave.
9 - 16	1797 - 1833	Dark gray limestone. Drills fine.
17 - 18	1833 - 1843	Light gray mottled limestone. Drills fine.
18	1843 - 1845	Black mudstone. Drills medium.
19 - 20	1845 - 1860	Very light gray to white limestone. Some green mudstone at top. Fossiliferous at base. (7" Casing 1851) (Top Big Lime 1845)
23 - 28	1860 - 1907	Gray limestone and some white chalky limestone. Drills medium to fine.
29	1907 - 1914	Dense tan limestone. Drills medium.
30 - 31	1914 - 1928	Dense gray limestone. Drills medium to coarse.
32 - 34	1928 - 1947	Dense light gray limestone. Drills fine.
35 - 36	1947 - 1959	Dense white limestone. Drills fine.
37	1959 - 1966	Dense very light gray limestone. Drills fine.
38 - 39	1966 - 1981	Very light gray somewhat oolitic limestone with some rounded white quartz pebbles and some white sub-angular sand. Drills medium.
40	1981 - 1987	Very light gray limestone. Drills medium.
41 - 42	1987 - 1998	Very light gray crystalline limestone. A few oolites and a few white frosted quartz pebbles. Drills fine.
43 - 44	1998 - 2010	(8 M Gas @ 2003) Dense white sugary dolomite. Drills medium to fine.
45 - 47	2010 - 2024	Dense very light gray limestone. Drills fine.
48	2024 - 2029	Very light gray limestone. A few oolites and a few white round frosted sand grains. Drills fine.
49 - 50	2029 - 2043	Dense white dolomitic limestone and dolomite. Drills medium.
51	2043 - 2050	White sugary crystalline anhydrite. Drills fine.
52	2050 - 2059	Deep red very fine-grained sandstone. A few quartz pebbles. Drills into medium pieces.
53 - 54	2059 - 2077	Red fine-grained sandstone and blue-gray, red and green sandstone mixed. Drills medium.
55	2077 - 2089	Red and greenish gray sandstone with varrigated quartz pebbles and some black mudstone. Drills medium to fine.
56 - 60	2089 - 2142	Greenish gray fine-grained sandstone and black mudstone. Drills medium to coarse.

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61 - 65	2470 - 2515	Gray siltstone and very light gray fine-grained sandstone. Drills fine to medium.
66 - 67	2515 - 2530	Very dark gray silty shale. Drills medium to coarse.
68	2530 - 2540	(Gas test @ 2540 $4\frac{1}{2}$ M) Black fissile shale
68 - 72	2540 - 2560	(Gas 2545-2551 50 M) White very fine-grained sandstone with some rounded white broken quartz pebbles. Drills into fine pieces. No lime. Good Berea Sand.
73 - 74	2560 - 2567	White fine-grained sandstone (Dull, only fair Berea Sand). No lime.
74 - 75	2567 - 2574	Dark gray mudstone and some gray siltstone shell. Drills medium.
76 - 77	2574 - 2586	Dark gray mudstone, some very light gray sandstone with light brown and some red sandstone shell at base.
78 - 83	2586 - 2632	Gray mudstone and some gray siltstone shell. Drills medium.
84 - 86	2632 - 2653	Gray mudstone and some light gray sandstone and siltstone shell. Drills medium to fine.
87	2653 - 2665	Dark gray siltstone and some very light gray sandstone shell. Drills fine.
88 - 89	2665 - 2684	Gray shale and some sandstone shell. Drills medium to coarse.
90 - 93	2684 - 2719	Gray mudstone and some very light gray sandstone shell. Drills fine.
94 - 97	2719 - 2758	Gray mudstone and light gray siltstone and sandstone shell. Drills fine.
98 - 99	2758 - 2774	Light gray mudstone and sandstone shell. Drills fine.
100 - 102	2774 - 2792	Very light gray sandstone and gray siltstone. Drills fine to very fine.
103 - 105	2792 - 2822	Gray mudstone and siltstone and some very light gray sandstone shell. Drills medium.
106 - 107	2822 - 2838	Light gray sandstone and gray siltstone and mudstone. Drills fine.
108 - 109	2838 - 2857	Gray mudstone and sandstone. Drills fine.
110	2857 - 2867	Very light gray sandstone and gray siltstone and mudstone. Drills fine.
111 - 114	2867 - 2899	Gray mudstone and some siltstone shell. Drills medium.
115 - 120	2899 - 2948	Light gray mudstone and a little siltstone shell. Drills medium.
121 - 122	2948 - 2962	Gray mudstone and some sandstone shell. Drills medium.
123 - 126	2962 - 2990	Gray sandstone and siltstone. Drills fine.
127	2990 - 2998	Light gray siltstone and some sandstone shell. Drills fine.
128	2998 - 3008	Dark gray mudstone and some sandstone shell. Drills medium.
129	3008 - 3018	Light gray siltstone and some sandstone shell. Drills medium.

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130 - 133	3018 - 3050	Light gray sandstone and gray siltstone. Drills fine. (Gas 3028 inc. from 38 M to 40 M)
134 - 141	3050 - 3128	(Gas 3098 inc. from 39 M to 41½ M) Light gray sandstone and gray siltstone. Drills very fine to medium.
142 - 144	3128 - 3161	Gray mudstone and some siltstone shell. Drills fine.
Examined: 2-23-1945		
145 - 150	3161 - 3216	Dark gray shale and some gray sandstone shell. Drills fine.
151 - 157	3216 - 3277	Light gray siltstone and some very light gray sandstone shell. Drills fine.
158	3277 - 3286	Gray siltstone and some very light gray sandstone shell. Drills medium.
159 - 162	3286 - 3324	Gray siltstone and very light gray micaceous sandstone shell. Drills fine.
163	3324 - 3336	Gray siltstone and some very light gray sandstone shell. Drills very fine.
164 - 165	3336 - 3353	Gray mudstone and sandstone shell. Drills medium.
166 - 169	3353 - 3380	Gray mudstone and very little sandstone shell. Drills fine.
170 - 171	3380 - 3396	Very light gray mudstone and sandstone shell. Drills medium to fine.
172	3396 - 3405	Gray mudstone and very light gray siltstone and sandstone shell. Drills fine.
173 - 175	3405 - 3430	Very light gray sandstone shell and some gray mudstone. Drills very fine.
176 - 178	3430 - 3460	Gray mudstone and very light gray sandstone shell. Drills medium.
179 - 183	3460 - 3501	Gray siltstone and very light gray sandstone shell. Drills fine to medium.
184 - 186	3501 - 3530	Light gray mudstone and very light gray siltstone and some very light gray sandstone shell. Drills fine to medium.
187 - 189	3530 - 3552	Very light gray siltstone and some sandstone shell. Drills fine to very fine.
190 - 193	3552 - 3584	Very light gray mudstone and some siltstone shell. Drills medium to fine.
194 - 195	3584 - 3603	Very light gray mudstone and sandstone shell. Drills medium to fine.
196 - 197	3603 - 3624	Gray siltstone and some very light gray sandstone shell. Drills fine.
198 - 200	3624 - 3649	Light gray mudstone and some very light gray siltstone. Drills medium to fine.
201	3649 - 3658	Very light gray mudstone and sandstone shell. Drills medium.
202 - 203	3658 - 3676	Light gray siltstone and some very light gray sandstone shell. Drills fine.
204 - 205	3676 - 3701	Gray siltstone and some <u>Brown Shale</u> . Drills medium.
206	3701 - 3713	Light gray siltstone and some very light gray sandstone shell and some <u>Brown Shale</u> . Drills medium.

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207 - 211	3713 - 3767	Very light gray siltstone and some sandstone shell. Drills medium.
212 - 213	3767 - 3780	Very light gray sandstone shell and some dark gray siltstone. Drills fine to medium.
214	3780 - 3787	Gray and light gray siltstone. Some pyrite. Drills fine.

Examined: 2-26-1945

215 - 217	3787 - 3812	Light gray siltstone and sandstone and a little Brown Shale. Drills medium.
218 - 224	3812 - 3874	Very light gray sandstone shell and light gray siltstone and some Brown Shale. Drills fine.
225	3874 - 3883	Very light gray siltstone and a little sandstone shell. Drills medium.
226 - 227	3883 - 3898	Very light gray siltstone and a little Brown Shale. Drills fine.
228	3898 - 3904	Very light gray sandstone shell and light gray siltstone. Drills very fine.
229 - 230	3904 - 3921	<u>Brown Carbonaceous Shale</u> and some light gray siltstone - pyrite. Drills medium.
231 - 232	3921 - 3943	Very light gray mudstone - some siltstone shell. Drills medium.
233 - 234	3943 - 3964	Brown Carbonaceous Shale. Drills medium. Drills medium.
235	3964 - 3973	Gray siltstone. Drills medium to coarse.
236	3973 - 3982	Brown Carbonaceous Shale. Drills medium.
237 - 239	3982 - 4018	Brown Carbonaceous Shale and a little gray siltstone. Drills medium.
240 - 243	4018 - 4059	Gray siltstone and Brown Shale. Drills medium.
244 - 245	4059 - 4073	Brown Carbonaceous Shale and a little light gray siltstone shell, pyrite. Drills medium.
246	4073 - 4080	Very light gray siltstone and a little Brown Carbonaceous Shale - pyrite. Drills fine.
247 - 248	4080 - 4103	Very light gray siltstone and mudstone. Drills medium.
249 - 253	4103 - 4150	Very light gray mudstone. Drills medium to very fine.

TOTAL DEPTH 4150