

OLO No. 729
Little Coal Land Company #35
Washington District, Boone County
West Virginia
Elevation: 1094'
Box #47

Boo. 718

Examined: 3-19-1946

1	1517 - 1522	Very fine-grained limy white quartz sandstone. Drills small clusters. Very clear opalescent sand.
2 - 3	1522 - 1536	White quartz sandstone, slightly limy and silty. Pyrite. Drills medium to fine.

4 - 5	1555 - 1564	Very fine-grained white quartz sandstone. Drills very fine individual grains. No lime.
6 - 7	1564 - 1574	Soft light gray mudstone. No lime. Drills medium to fine.
8 - 9	1574 - 1585	Light gray silty limestone. Drills fine.
9A - 13	1585 - 1613	Dark gray limestone. Drills medium to medium fine. Pyrite. (Some pencil cave in sample - probably from 1574.) Base little lime.
13 - 14	1613 - 1614	Light green mudstone. Drills fine.
14 - 15	1614 - 1623	Very light gray to white limestone. (Top Big Lime 1614.)
16 - 18	1623 - 1638	Fifty per cent light gray to white limestone, 50 per cent light tan limestone. Drills medium fine to fine. (5 1/2" casing set at 1629'.)

Examined: 3-28-1946

19 - 23	1638 - 1653	Dense light gray limestone. Drills fine.
24 - 25	1653 - 1665	Light gray semi-crystalline limestone. Drills fine
26 - 27	1665 - 1680	Dense tan limestone. Drills fine.
28 - 31	1680 - 1713	Light tan limestone. Drills fine.
32 - 35	1713 - 1734	Light tan limestone with fine white quartz silt. Drills very fine.
36 - 39	1734 - 1762	Dense very light tan limestone. Drills fine.
40 - 42	1762 - 1781	Very light tan silty limestone. Drills fine.
43	1781 - 1786	Dense very light tan limestone. Drills medium to coarse flat pieces.
44 - 45	1786 - 1797	Very light tan silty limestone.
46 - 47	1797 - 1816	Very light tan, very silty dolomitic limestone with some very light green siltstone. Drills medium.
48	1816 - 1820	Dark brown silty dolomite. Drills medium. (Base Big Lime 1820'.)
49	1820 - 1825	Brownish red limy siltstone. A few white quartz pebbles. Drills medium.
50 - 51	1825 - 1841	Red and blue gray siltstone. A very little red limy shell. Drills medium.
52 - 53	1841 - 1857	Dark brown siltstone. Some broken white quartz pebbles. Drills fine.
54 - 55	1857 - 1870	Dark gray mudstone and light greenish gray slightly limy and micaceous siltstone shell. Drills medium.
56 - 57	1870 - 1881	Dark greenish gray slightly limy and micaceous siltstone shell. Some light brown lime shell and dark gray mudstone. Drills fine.

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58 - 59	1881 - 1894	Dark gray mudstone and some light greenish gray micaceous siltstone. Drills medium.
60 - 62	1894 - 1923	Light gray siltstone shell and dark gray mudstone. No lime. Drills fine.
63 - 64	1923 - 1946	Dark gray silty mudstone and some siltstone shell. Hardly any lime. Drills medium fine.
65 - 66	1946 - 1972	Light gray slightly limy siltstone and gray silty mudstone. Drills medium fine.
67 - 68	1972 - 1991	Light gray siltstone and some mudstone. Drills medium.
70 - 71	1991 - 2005	Light gray limy siltstone and a little gray mudstone. Drills fine.
72 - 73	2005 - 2021	Do. No lime.
74 - 83	2021 - 2149	Dark gray mudstone. Drills medium.
84 - 86	2149 - 2185	Gray mudstone and some gray and light brown siltstone shell. A little red mudstone. Drills medium.

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Examined: 10-24-1946

87	2269 - 2285	Very light tan, very fine-grained sandstone shell. Drills medium flat pieces.
88 - 89	2285 - 2311	Black shale. Drills medium.
90 - 98	2311 - 2339	Very fine white quartz sand, limy and with pyrite at top. Drills individual fine grains and fine clusters.
99 - 100	2339 - 2345	Gray mudstone and some siltstone shell. Drills medium fine.
101 - 103	2345 - 2372	Gray mudstone and siltstone shell, some light brown siltstone and a little red mudstone at top. Drills medium to medium fine.
104 - 111	2372 - 2443	Gray mudstone and some siltstone shell. Drills medium to medium fine.
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112 - 122	3247 - 3378	Light gray mudstone and siltstone and some gray mudstone. Drills medium to medium fine. Slightly limy 3344 - 3378.
123 - 124	3378 - 3409	Light gray mudstone and siltstone shell, 10 per cent Brown Shale. Drills medium. (Gas 3409 inc. 7,478 Cu. Ft. to 7,795 Cu. Ft.)
125 - 126	3409 - 3431	Light gray mudstone and slightly limy siltstone shell. Drills medium to medium fine.
127 - 129	3431 - 3474	Brown Shale 60 per cent and light gray mudstone and siltstone shell 40 per cent. Drills medium. (Gas inc. at 3470 7,314 Cu. Ft. to 7,795 Cu. Ft.)
130 - 132	3474 - 3503	Light gray mudstone and gray siltstone shell 75 per cent, Brown Shale 25 per cent. Drills medium.
133 - 135	3503 - 3545	Light gray slightly limy siltstone and light gray mudstone. Drills medium to medium fine.
136 - 140	3545 - 3597	Light gray mudstone and gray slightly limy siltstone shell 90 per cent and Brown Shale 10 per cent. Drills medium to medium fine. (Small gas inc. @ 3560.)
141 - 144	3597 - 3635	Light gray mudstone and siltstone shell, some gray mudstone 60 per cent and Brown Shale 40 per cent. Drills medium to medium fine. (Gas inc. at 3613 6,972 Cu. Ft. to 7,478 Cu. Ft.)

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145 - 147	3635 - 3663	Light gray slightly limy siltstone and mudstone. Drills medium fine.
148	3663 - 3674	Brown Shale, pyrite. Drills medium fine.
149 - 152	3674 - 3724	Brown Shale 70 per cent, gray siltstone and light gray mudstone 30 per cent. Drills medium.
153 - 156	3724 - 3772	Brown Shale 90 per cent, light tan siltstone and light gray mudstone 10 per cent. Drills medium to medium fine, a little pyrite.
157 - 161	3772 - 3835	Brown Shale 80 per cent, light gray mudstone and gray siltstone 20 per cent. Drills medium.
161 - 165	3835 - 3869	Light gray mudstone and some slightly limy siltstone shell. Drills medium.
165 - 167	3869 - 3897	Gray mudstone and some siltstone shell and Brown Shale 10 per cent. Drills medium.
168	3897 - 3907	Very light gray mudstone and slightly limy siltstone shell. Drills medium.
Total Depth	3907	

B_rS_L - 187M Not shot in Brown Shale.