

OLO No. 723
R. S. Sansom No. 1
Union District,
Wayne County, W. Va.
Elevation: 924.3
Box No. 4

v. v. ay 398

Examined 10-16-1945

1 - 2	1427 - 1445	Very light gray, some white, crystalline limestone. Drills medium.
3	1445 - 1455	Dense, fine, white limestone. Drills fine.
4 - 5	1455 - 1465	Dense very light tan limestone. Drills fine.
6	1465 - 1469	Dense, very light gray limestone. Drills medium.
7	1469 - 1477	Dense tan limestone, angular medium sized pieces.
8 - 9	1477 - 1499	White "sugary" limestone. Drills medium.
10 - 11	1499 - 1523	Do, some tan limestone.
12 - 13	1523 - 1544	Very light gray slightly oolitic limestone. Drills medium to fine.
14 - 15	1544 - 1563	Gray to light gray silty limestone. Drills medium.
16	1563 - 1570	Do, some dark gray mudstone.
17 - 19	1570 - 1601	Very light gray to white fine-grained slightly limy sandstone. Drills medium.
20	1601 - 1618	White fine-grained slightly limy sandstone, some broken pieces of variegated quartz pebbles. Drills medium.
21	1618 - 1621	Very light gray sandstone, a few white rounded quartz pebbles. Drills fine.
22	1621 - 1653	Do, no pebbles.
23 - 24	1653 - 1679	Do, some light green and black soft mudstone. Drills medium.
25 - 28	1679 - 1725	Light gray fine-grained sandstone, not limy and dark gray mudstone, pyrite, some lime shell. Drills medium.
29	1725 - 1737	Dark gray mudstone, some light gray fine-grained sandstone and a little limestone shell.
30 - 31	1737 - 1757	Do, more sandstone and limestone shell.
32 - 33	1756 - 1774	Do, more mudstone.
34	1774 - 1790	Black mudstone and some gray sandstone shell. No lime. Drills medium.
35 - 36	1790 - 1819	Black mudstone. Drills medium.
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37 - 38	2133 - 2178	Black fissile shale. Drills medium.
39	2178 - 2184	Very light gray limy porous fine-grained sandstone, pyrite. Drills medium pieces.
40	2184 - 2190	Gray flinty sandstone, pyrite. Drills fine pieces.
41 - 42	2190 - 2200	Light gray slightly limy very fine-grained softer sandstone. Drills fine pieces.
43 - 44	2200 - 2215	Black siltstone and mudstone. Drills medium.
45 - 47	2215 - 2245	Brownish gray very fine-grained sandstone. Drills medium pieces.
48 - 49	2245 - 2258	Gray mudstone and light gray sandstone. Drills medium.
50 - 51	2258 - 2281	Gray caving mudstone.
52	2281 - 2303	Black silty shale, some gray mudstone. Drills medium.
53	2303 - 2315	Very light gray, very fine-grained sandstone and gray mudstone. Drills medium.

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54 - 55	2315 - 2330	Dark gray silty mudstone and some light gray sandstone shell. Drills medium.
56	2330 - 2345	Gray siltstone and silty mudstone. Drills medium.
57 - 59	2345 - 2393	Dark gray silty mudstone. Drills medium to very fine.
60 - 64	2393 - 2449	Light gray siltstone and mudstone. Drills fine.
65 - 74	2449 - 2583	Light gray mudstone. Drills medium to coarse.
75 - 76	2583 - 2600	Gray mudstone. Drills medium.
77 - 78	2600 - 2626	Dark gray mudstone. Drills medium.
79 - 82	2626 - 2668	Dark gray silty shale and mudstone. Drills medium.
83 - 85	2668 - 2707	Brown silty shale. Drills medium.
86	2707 - 2720	Gray mudstone. Drills medium.
87	2720 - 2730	Do, some Brown silty Shale. Drills fine.
88	2730 - 2740	Light gray mudstone. Drills fine.
89 - 90	2740 - 2766	Gray mudstone and Brown silty Shale. Drills medium.
91	2766 - 2778	Gray mudstone. Drills medium to coarse.
92 - 95	2778 - 2827	Brown Shale. Drills medium to coarse.
96 - 97	2827 - 2855	Dark Brown Shale. Drills medium to coarse.
98	2855 - 2869	Brown Shale and light gray mudstone. Drills medium.
99 - 100	2869 - 2892	Brown Shale. Drills medium.
101 - 102	2892 - 2915	Brown silty Shale, some pyrite. Drills fine to coarse.
103	2927 - 2939	Light gray mudstone, some Brown Shale. Drills medium to coarse.
104 - 108	2939 - 2998	Brown Shale, pyrite.
109 - 110	2998 - 3024	Soft muddy Brown Shale. Drills medium.
111 - 114	3024 - 3074	Brown Shale, somewhat silty. Drills medium.
115 - 130	3093 - 3294	Light gray silty mudstone. Drills medium.
131 - 133	3294 - 3352	Brown Shale. Drills medium.
134	3352 - 3360	Brown cherty limestone. Drills fine. (Top Corniferous Limestone 3352.)
135 - 136	3360 - 3371	Do, light brown.
137	3371 - 3373	Do, very light brown.
Total Depth	3373	

Shot 2637-3373 with 7,200# Det.
Test Before shot 3 M
Tubed 83 M Shale-Berea
Less than 4 M in Berea