

OLO No. 793  
G. D. Jackson  
Union District, Wayne County  
West Virginia  
Elevation: 616

Wayne 644

Examined: 3-8-1949

1 - 2	990 - 1000	Light greenish gray sandstone. Drills medium pieces.
3 - 5	1000 - 1013	White sandstone. Drills medium pieces - no lime.
6 - 10	1013 - 1045	Light brown limestone. Drills medium fine.
11	1045 - 1050	Very light tanish gray limestone. Drills medium. (Top Big Lime 1045.)
12 - 14	1050 - 1062	White to very light gray limestone. Drills medium.
15 - 17	1062 - 1073	Do. Medium fine.
18	1073 - 1078	Light gray silty limestone. Drills coarse.
19 - 20	1078 - 1086	Dense very light tan limestone. Drills medium.
21 - 23	1086 - 1104	Light tan and white limestone. Drills coarse to medium.
24 - 36	1104 - 1174	White silty limestone. Drills medium to medium fine.
37 - 38	1174 - 1185	Dense light tan limestone. Drills coarse to medium.
39 - 40	1185 - 1198	Light tanish gray limestone, slightly oolitic. Drills medium. No free oolites.
41 - 42	1198 - 1214	Light gray dolomitic limestone. Drills medium.
43	1214 - 1219	Do. Some white anhydrite.
43 - 44	1219 - 1227	Dark gray dolomite. Drills medium. (Base Big Lime 1227.)
45 - 47	1227 - 1252	Red siltstone and mudstone and slightly limy dark gray siltstone. Drills medium.
48 - 49	1252 - 1268	Gray muddy siltstone. Drills medium, slightly dolomitic.
50 - 54	1268 - 1295	Soft light gray siltstone. Drills medium.
53 - 54	1295 - 1313	Do. Slightly limy.
55 - 57	1313 - 1348	Dark gray muddy siltstone. Drills medium. No lime. No dolomite.

Examined: 3-11-1949

58 - 60	1348 - 1373	Gray siltstone and a little silty sandstone shell. Drills medium. Trace of lime.
61 - 63	1373 - 1403	Gray siltstone, some black carbon flakes. Drills medium. Trace of lime.
64 - 67	1403 - 1441	Dark gray mudstone and a little siltstone shell, slight effervescence only with concentrated HCl. Drills medium.
68 - 71	1441 - 1478	Gray mudstone and a little siltstone shell. Trace effervescence only with concentrated HCl. Drills medium.
72 - 81	1478 - 1565	Dark gray mudstone, some pyrite at base. Drills medium.
82 - 85	1570 - 1602	Gray mudstone with a trace of siltstone shell. Drills medium.

Examined: 3-15-1949

86 - 87	1602 - 1615	Dark gray mudstone, a little siltstone shell. Drills medium.
88 - 97	1615 - 1696	Gray mudstone and siltstone shell, a trace of light gray sandstone shell, hardly a trace of lime with con- centrated HCl. Drills medium fine.
98 - 100	1706 - 1731	Light gray mudstone and siltstone shell, a little very

		light gray sandstone shell, some pyrite, no lime. Drills medium fine.
101 - 104	1731 - 1755	Gray mudstone and silty sandstone shell and some light gray siltstone shell, slight effervescence with concentrated HCl at base. Drills medium.
105 - 106	1755 - 1770	Light gray sandstone and gray siltstone and mudstone. Drills medium.
107 - 109	1770 - 1788	Light gray mudstone and siltstone. Drills medium to medium fine.
110 - 113	1788 - 1823	Brown Shale and light gray mudstone, some pyrite at base. Drills medium.
114	1823 - 1825	(Looks like top Berea. Drillers changed book). Fine white limy quartz sand with pyrite. Good quality Berea Sand. Drills medium fine pieces.
115 - 119	1825 - 1850	Fine very light gray, very slightly limy sandstone. Pyrite. Drills medium fine to medium pieces.
119 - 121	1850 - 1865	Gray mudstone and light gray silty sandstone shell, some pyrite. Drills medium.
122 - 123	1865 - 1886	Light gray, some light tan sandstone shell and light gray mudstone. Drills medium.
124 - 126	1886 - 1903	Brown silty sandstone. Drills medium fine pieces, limy with concentrated HCl only.

Examined: 3-17-1949

127 - 130	1905 - 1933	Light gray mudstone and brown silty sandstone shell. Drills medium to medium fine. Very slight effervescence with concentrated HCl.
131 - 133	1933 - 1958	Black silty shale 80 per cent and some light gray silty mudstone. Drills medium fine.
134 - 139	1958 - 2018	Black slightly limy, silty shale, some pyrite. Drills medium to coarse.
140 - 143	2018 - 2059	Black silty shale 70 per cent, some pyrite. Slight effervescence only with concentrated HCl. Drills medium to medium fine.
144 - 146	2059 - 2086	Light gray mudstone and gray shale 30 per cent. A little pyrite. Drills medium.

Examined: 3-18-1949

147 - 149	2086 - 2111	Light gray mudstone and a trace of siltstone shell. Drills medium to medium fine. Trace dolomite.
150	2111 - 2121	Light gray mudstone and slightly dolomitic shell and black silty shale, pyrite 50 per cent. Drills medium to medium fine.
151	2121 - 2129	Black silty shale, pyrite 90 per cent and gray and light gray siltstone, some dolomite. Drills medium to medium fine.
152 - 159	2129 - 2204	Light gray mudstone and silty mudstone and some silty slightly dolomitic sandstone shell. Drills medium.
160 - 162	2204 - 2227	Light gray mudstone and silty micaceous slightly dolomitic sandstone shell. Drills medium fine.
163	2227 - 2237	Gray shale, pyrite 70 per cent, light gray mudstone and silty sandstone 20 per cent and Brown Shale 10 per cent. Drills medium.
164	2237 - 2246	Brown and some gray shale with pyrite 70 per cent and some light gray mudstone. Drills medium.

165 - 166	2246 - 2268	Brown, some light Brown Shale. Drills medium.
167 - 169	2268 - 2299	Light Brown Shale. Drills medium.
170 - 176	2299 - 2357	Medium Brown Shale. Drills medium fine.
177 - 179	2357 - 2385 ●	Light gray mudstone and light Brown Shale 40 per cent. Drills medium.
180 - 186	2385 - 2458	Medium Brown Shale. Drills medium fine.

Examined: 4-8-1949

187 - 189	2458 - 2488	Brown Shale, a trace of lighter Brown silty Shale. Drills medium. (Gas inc. 2458; 714 CF to 4,186 CF.)
190 - 192	2488 - 2519	Very light gray mudstone and a little slightly limy siltstone shell - pyrite - and 30 per cent Brown Shale. Drills medium.
193 - 196	2519 - 2554	Brown Shale, a little light Brown silty Shale. Drills medium. (Gas inc. 2528-2547, 3,699 CF to 5,620 CF.)
197	2554 - 2564	Dark Brown, slightly silty, Shale. Drills medium. (Gas inc. 2564, 5,620 CF to 5,832 CF.)
198	2564 - 2575	Light Brown Shale 60 per cent and very light gray mudstone, pyrite and a little siltstone shell, 40 per cent. Drills coarse.
199 - 201	2575 - 2597	Dark Brown Shale 70 per cent and light gray mudstone and a little slightly limy siltstone shell--pyrite 30 per cent. Drills medium to medium fine.
202 - 203	2597 - 2619	Dark Brown and light Brown slightly silty Shale 70 per cent and light gray mudstone - pyrite. Drills medium to medium fine. (Gas inc. 2597, 5,832 CF to 6,038 CF.)
204 - 205	2619 - 2640	Light Brown silty Shale, some Brown Shale 80 per cent and a little mudstone and silty mudstone 20 per cent - pyrite. Drills coarse.
206 - 208	2640 - 2671	Dark Brown and Brown, slightly silty, Shale 90 per cent, and light gray mudstone, some pyrite 10 per cent. Drills medium.
209 - 211	2671 - 2693	Brown Shale and light Brown silty Shale with much disseminated pyrite. Drills medium.
212	2693 - 2703	Brown Shale, light Brown, silty, Shale with pyrite 80 per cent and very light gray mudstone with pyrite 20 per cent. Drills medium.
213 - 214	2703 - 2721	Black Shale 80 per cent and some gray mudstone with pyrite 20 per cent. Drills medium to coarse.
214 - 218	2721 - 2758	Very light blue gray mudstone and a little silty mudstone, some pyrite, all slightly limy. Drills medium fine.
219 - 220	2758 - 2772	Very light blue gray mudstone and slightly limy siltstone shell with pyrite. Drills medium fine.
Total Depth	2772	

Shot 4967# Detonite in 5½" hole 1951 to 2072  
 Test Before Shot 6,521 Cu. Ft.  
 Tubed 60 M Shale; 490 Cu. Ft. Berea.  
 Cavings 51'.