

OLO No. 789  
Wilson Coal Land Co. No. 51  
Grant District, Wayne County  
West Virginia  
Elevation: 1021'

Wayne 633

Examined: 1-12-1949

1 - 4A	1584 - 1616	Dense white limestone with a few pieces of pale green mudstone (cavings), some silt. Drills medium to medium fine.
5 - 8	1621 - 1643	Light tan to brown limestone slightly oolitic. Drills medium.
9 - 10	1643 - 1656	Dense white to very light tan limestone. Drills medium.
11 - 12	1656 - 1668	Very light tan oolitic limestone, oolites do not drill free. Drills medium.
13 - 14	1668 - 1683	White slightly oolitic slightly silty with a few white quartz sand grains. (4 M gas 1674.) Drills medium.
15 - 16	1683 - 1699	Very light tan slightly oolitic silty limestone. Drills medium.

Examined: 1-17-1949

17 - 19	1699 - 1721	White slightly oolitic limestone. Drills medium.
20	1721 - 1729	Dense very light gray limestone. Drills medium.
21 - 22	1729 - 1740	Very light gray slightly oolitic, silty limestone. Drills medium.
23 - 24	1740 - 1751	Soft white limestone. Drills medium fine.
25	1751 - 1758	Dense, very light gray dolomitic limestone. Drills medium.
26	1758 - 1764	Light tan to light gray silty dolomitic limestone. Drills medium.
27 - 28	1764 - 1777	Light tan to black dolomite with much white anhydrite. Drills medium.
29 - 31	1777 - 1800	Red muddy siltstone. Drills medium.
31 - 32	1800 - 1815	Very light gray fine-grained, very silty sandstone. Drills medium fine pieces.
32 - 34	1815 - 1835	Gray and light gray siltstone with mica and pyrite. Drills medium.
35	1835 - 1843	Gray silty mudstone. Drills medium.

Examined: 1-18-1949

36	1843 - 1858	Light gray mudstone and silty sandstone shell with pyrite. Drills medium.
37	1858 - 1869	Gray mudstone and siltstone shell. Drills medium.
38 - 40	1869 - 1903	Gray mudstone and silty sandstone shell. Muscovite and some black carbonaceous material. Drills medium.
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41 - 43	2300 - 2338	Light gray mudstone and a little siltstone shell, pyrite. Drills medium.
44 - 45	2338 - 2359	Black mudstone and shale, some pyrite. Drills medium.

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45 - 46	2359 - 2370	Very fine-grained white quartz sandstone with much pyrite. Drills medium to coarse pieces, a few clear quartz pebbles at top. No lime or dolomite.
47 - 48	2370 - 2385	Light gray mudstone, pyrite and white very fine-grained sandstone shell with some black carbonaceous material. No lime - slight dolomite. Drills medium.
49	2385 - 2390	Gray mudstone and light gray silty sandstone shell. Drills medium.
50	2390 - 2395	Very light tan fine-grained sandstone and some gray mudstone. Drills medium fine pieces.
Examined: 2-4-1949		
51 - 52	2395 - 2405	Very light tan very fine-grained sandstone. Drills into fine pieces and clusters, no free grains. Slightly limey at top.
53	2405 - 2410	Very light gray mudstone, a little micaceous sandstone shell. Drills medium.
54	2410 - 2423	Black Shale. Drills medium.
55	2423 - 2437	Light gray mudstone with a trace of siltstone shell. Drills medium.
56 - 57	2437 - 2465	Black silty shale. Drills medium.
58 - 59	2465 - 2491	Very dark gray shale and some gray siltstone shell with pyrite. Drills coarse.
60 - 61	2491 - 2517	Very light gray mudstone. Gray siltstone shell with pyrite and some gray shale. Drills medium.
62 - 63	2517 - 2550	Very light gray mudstone, a little siltstone shell, pyrite. Drills medium.
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64 - 66	2709 - 2751	Very light gray mudstone, a little silty mudstone, some pyrite. Drills medium.
67 - 71	2751 - 2805	Light gray mudstone and siltstone shell with gray silty shale, pyrite 25 per cent. Drills medium to medium fine.
72 - 74	2805 - 2842	Light gray mudstone and gray silty shale with pyrite 40 per cent. Drills medium fine.
75 - 78	2842 - 2883	Light Brown silty Shale with pyrite 80 per cent, light gray mudstone. Drills medium to medium fine.
79 - 80	2883 - 2894	Do. Light brown Shale 60 per cent.
81 - 83	2894 - 2924	Light gray mudstone, pyrite and light Brown Shale 40 per cent. Drills medium.
84	2924 - 2935	Light gray mudstone and siltstone shell, some gray silty shale. Drills medium to medium fine. Slight trace of lime.
85	2935 - 2943	Light gray mudstone and gray shale 40 per cent. Drills medium.
86	2943 - 2951	Light gray mudstone and siltstone shell with pyrite and light Brown Shale 40 per cent. Drills medium.
87 - 90	2951 - 2981	Light gray and gray mudstone and siltstone shell. Drills fine. No lime.

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91 - 92	2981 - 3000	Light gray mudstone and some Gray Shale 10 per cent. Drills medium.
93 - 97	3000 - 3047	Light gray mudstone and siltstone shell with pyrite and Gray Shale, less than 5 per cent. Drills medium to medium fine.
98	3047 - 3059	Brown, some Light Brown Shale. Drills medium. (SLM 3066 = 3059.)
99	3059 - 3068	Light Brown Shale. Drills coarse.
100	3068 - 3078	Light gray mudstone, pyrite and some Light Brown Shale 30 per cent. Drills medium.
101	3078 - 3089	Light gray mudstone, some siltstone shell and Light Brown Shale 20 per cent. Drills medium fine.
102	3089 - 3101	Light Brown Shale with spors. Drills medium.
103 - 104	3101 - 3126	Very light gray mudstone and Light Brown Shale 25 per cent. Drills medium.
105 - 106	3126 - 3153	Light Brown Shale 70 per cent and some very light gray mudstone with pyrite. Drills medium.
107 - 108	3153 - 3177	Dark Brown Silty Shale with disseminated pyrite. Drills medium.
109	3177 - 3188	Light Brown Shale and silty Shale 75 per cent and very light gray mudstone with pyrite. Drills medium.
110 - 111	3188 - 3212	Very light gray mudstone and siltstone shell, much pyrite and Dark Brown Shale 50 per cent. Drills medium.
112	3212 - 3224	Dark Brown Shale, some pyrite. Drills medium.
Examined: 2-7-1949		
113	3224 - 3235	Black Shale 80 per cent, Light Brown Shale 10 per cent and some very light gray mudstone with pyrite. Drills medium.
114	3235 - 3245	Black Shale 80 per cent, light Gray Silty Shale 10 per cent and some white sandstone shell with pyrite 10 per cent. Drills medium.
115 - 117	3259 - 3295	Black Shale 90 per cent and some Light Brown Silty Shale with spors and pyrite. Drills medium. (Gas 3269 inc. 16 M to 17½ M.)
118	3295 - 3309	Black Shale 80 per cent and Light Brown Silty Shale with spors 10 per cent with some white siltstone with pyrite. Drills medium.
119 - 121	3309 - 3349	Light Brown Silty Shale, some spors, 80 per cent, Black Shale 15 per cent and some very light gray mudstone. Drills medium. (Gas 3347 inc. 17½ M to 19 M.)
122	3349 - 3362	Very light bluish gray mudstone and slightly limy siltstone shell with pyrite and some Black Shale 25 per cent. Drills medium.
123 - 124	3362 - 3386	Very light bluish gray mudstone and some slightly limy siltstone shell. Drills medium.
125 - 126	3386 - 3407	Very light gray mudstone and some slightly limy siltstone shell and some Light Brown Shale 20 per cent. Drills medium.

