

OLO No. 783  
T. H. Paul No. 1  
Chapmansville District  
Logan County, W. Va.

Log 201

Examined: 12-7-1948

1 - 3	1003 - 1027	Light greenish gray silty sandstone, no lime. Drills medium to coarse pieces.
3 - 4	1027 - 1040	Soft gray plated mudstone and light greenish gray silty sandstone shell. Drills medium. No lime.
5 - 12	1040 - 1095	Brown limestone with some pyrite (soft gray plated mudstone cave). Drills coarse to medium.
13 - 14	1100 - 1108	Light gray semi-crystalline limestone, pyrite. Drills medium.
15 - 17	1108 - 1123	Brown limestone. Drills medium.
18 - 20	1123 - 1151	Light gray limestone. Drills medium to medium fine.
21 - 22	1151 - 1163	Dense light brown limestone with pyrite and a little light green silty mudstone with much pyrite. Drills medium.
23 - 26	1163 - 1189	Dense, very light gray limestone. Drills medium.
27 - 29	1189 - 1206	Very light gray oolitic limestone, some fine silt. Drills medium to medium fine.
20	1206 - 1213	Do. Pyrite, more silt, less oolites.
31 - 32	1213 - 1223	White limestone, some white silt, some pyrite. Drills medium. (Base Big Lime 1223.)
32 - 33	1223 - 1232	Red silty mudstone and reddish brown siltstone shell. Drills medium.
34 - 36	1232 - 1252	Red silty mudstone and brown muddy siltstone shell. Drills medium.
37 - 40	1252 - 1278	Brown silty mudstone. Drills medium to coarse.
41 - 42	1278 - 1291	Reddish brown muddy siltstone. Drills medium.

Examined: 12-8-1948

43 - 45	1291 - 1312	Brownish red siltstone, a little red silty mudstone, no lime. Drills medium.
46 - 47	1312 - 1328	Brownish red silty mudstone. Drills medium to coarse.
48 - 50	1328 - 1353	Dark gray mudstone and light greenish gray silty sandstone shell with some broken quartz pebbles. Trace lime. Drills medium.
51 - 53	1353 - 1377	Light greenish gray silty sandstone and dark gray mudstone. Trace lime. Drills medium to coarse.
54 - 55	1377 - 1392	Dark gray mudstone and some gray silty sandstone with pyrite, mica and black carbon flakes. Drills medium.
56 - 62	1392 - 1445	Very dark gray mudstone and some gray siltstone shell. Drills medium.
63	1445 - 1452	Light gray silty sandstone and a little gray silty mudstone. Drills medium pieces.

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Examined: 12-28-1948

64 - 66	1759 - 1784	Light gray to tan micaceous sandstone shell, some pyrite and gray mudstone. Drills medium to coarse. No lime.
67	1784 - 1799	Gray silty mudstone, black shale and light tan, trace lime, fine-grained sandstone shell, pyrite. Drills medium to coarse.
68 - 69	1799 - 1816	Black Shale - pyrite - and gray silty mudstone. Drills medium to coarse.
70 - 72	1816 - 1825	(These samples mostly black shale cavings.) White very fine-grained sandstone with pyrite. Drills into medium fine pieces. Some dolomite.
73 - 76	1825 - 1838	White very fine-grained somewhat limey sandstone. Drills into fine pieces. (Black Shale caving badly.)
77	1838 - 1843	Dark gray mudstone, much pyrite. Drills medium.
78	1843 - 1853	Gray mudstone, some siltstone shell - pyrite. Drills medium.

Examined: 1-11-1949

79 - 80	2600 - 2617	Very light gray mudstone and silty pyrite, sandstone shell. Drills medium. No lime.
81 - 82	2617 - 2641	Gray mudstone and a little light gray micaceous sandstone shell. Drills medium to coarse.
83 - 84	2641 - 2672	Gray mudstone and very light gray silty sandstone shell. Drills medium.
85 - 88	2672 - 2709	Light gray sandstone and siltstone shell and gray mudstone. Drills medium.
89 - 90	2709 - 2733	Light gray mudstone with pyrite, a little gray shale and some silty sandstone shell. Drills medium.

Examined: 1-12-1949

91	2733 - 2745	Very light gray micaceous sandstone shell, dark gray siltstone and gray mudstone. Drills medium.
92 - 94	2745 - 2778	Light gray mudstone and very silty sandstone and siltstone shell, pyrite. Drills medium.
95 - 97	2778 - 2812	Light gray mudstone and siltstone shell, pyrite and gray shale 20%. Drills medium.
98 - 99	2812 - 2836	Do. Gray shale 10 per cent. Drills medium to coarse.
100 - 102	2836 - 2874	Light gray mudstone and a little siltstone shell with pyrite, gray shale less than 5 per cent. Drills medium.
103 - 104	2874 - 2898	Light gray mudstone and siltstone shell, pyrite. Drills medium.
105 - 106	2898 - 2918	Light gray mudstone and very little siltstone shell, pyrite, gray shale 5 per cent. Drills medium to coarse.
107 - 109	2918 - 2958	Brown Shale, pyrite, 50 per cent, light gray mudstone and silty mudstone, pyrite. Drills medium.
110 - 112	2958 - 2990	Gray and light gray mudstone and light tan silty sandstone shell, pyrite and Brown Shale 40 per cent. Drills medium.
113 - 117	3000 - 3040	Gray and light gray silty sandstone shell, pyrite, some light gray mudstone and Brown Shale less than 5 per cent. Drills medium.

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118	3040 - 3050	Very light gray mudstone and a little siltstone shell, pyrite. Drills medium to coarse.
119 - 120	3050 - 3071	Very light gray mudstone and silty sandstone shell, pyrite and Brown Shale, less than 5 per cent. Drills medium.
Examined: 1-20-1949		
121 - 125	3071 - 3115	Very light gray mudstone, siltstone and sandstone shell with pyrite and Brown Shale 10 per cent. Drills medium.
126 - 129	3115 - 3158	Light gray mudstone and siltstone shell, some pyrite, Brown Shale 25 per cent. Drills medium to coarse.
130	3158 - 3170	Black coffee shale. Drills medium.
131 - 133	3170-3206	Very light gray mudstone and some siltstone shell, some pyrite and Brown Shale 10 per cent. Drills medium.
134 - 136	3206 - 3241	Brown Shale 95 per cent and some light gray mudstone. Drills medium.
137 - 139	3241 - 3271	Brown Shale 85 per cent and some light gray mudstone and silty mudstone. Drills medium.
140 - 143	3271 - 3309	Soft Brown Shale 85 per cent, a little pyrite and gray and light tan mudstone and silty mudstone. Drills medium.
144 - 146	3309 - 3342	Light gray mudstone and a little slightly limy siltstone shell with pyrite. Drills medium.
147 - 149	3342 - 3368	Light gray mudstone and some, very slightly limy, siltstone shell. Drills medium.
Total Depth	3368	

Shot in Brown Shale 2650-3368 with 7050 \* Det.  
Test Before Shot - 1-1/2 M  
Shut in - 29 M.  
H. H. R. P. 2267