

OLO No. 775
J. N. Hauser Heirs #3
Grant District, Wayne County
West Virginia
Elevation: 1066'

Wayne 580

Examined: 12-8-1948

1 - 4	1309 - 1327	Soft dove gray mudstone and white quartz sandstone shell. Drills medium to medium fine pieces. No lime.
5 - 7	1327 - 1357	Black mudstone and silty mudstone. Drills coarse to medium.
8 - 9	1357 - 1363	Black mudstone. Drills medium to coarse pieces.
9 - 10	1363 - 1373	White quartz sandstone. Drills medium to coarse pieces. (Top Maxton 1363.)
11 - 16	1373 - 1419	Fine grain white quartz sandstone. Drills fine angular individual grains. (Water 1388 - 2 Bail Hr.)
17	1419 - 1425	Black mudstone, gray siltstone shell with pyrite and white quartz sandstone and small milchy quartz pebbles. Drills medium fine.
18 - 21	1425 - 1449	White quartz pebbly sandstone. Drills fine individual angular grains and broken pieces.
22 - 23	1449 - 1461	White quartz pebbly sandstone and gray silty mudstone. Drills coarse individual grains, broken pebbles and medium pieces.
24 - 28	1461 - 1492	White quartz pebble sandstone. Drills rounded to sub-rounded individual grains and broken quartz rounded pebbles. (Hole filling water at 1474'.)
29 - 32	1492 - 1515	White quartz pebble sandstone. Drills medium angular individual grains and broken quartz pebbles.
33 - 35	1515 - 1531	White milchy quartz pebbles broken into coarse to medium fine flat flakes, some individual angular sand grains.
36 - 41	1531 - 1565	White quartz sandstone. Drills into fine angular to sub-angular individual grains.
42 - 45	1565 - 1584	Dark gray limestone, some pyrite. Drills medium. Maybe a slight mudstone break at base.
45	1584 - 1585	Black mudstone. Drills medium.
46 - 47	1585 - 1600	Light gray limestone. Drills medium.
48 - 50	1600 - 1610	Very light tan silty limestone. Drills medium to medium fine.
51 - 53	1613 - 1625	(7" Casing set at 1613.) White to very light gray limestone. Drills medium fine to fine.
54 - 56	1625 - 1639	Light gray silty limestone. Drills medium to coarse.
57 - 58	1647 - 1661	Dense white silty limestone. Drills medium.
59 - 61	1661 - 1678	Very light tan limestone. Drills medium.
62 - 63	1678 - 1690	Very light gray limestone. Drills medium to medium fine.
64 - 65	1690 - 1701	Very light tan oolitic limestone. Oolites drill free (oatmeal zone). Drills medium fine.
66 - 68	1701 - 1716	Granular oolitic limestone, a few white rounded frosted quartz pebbles. Drills medium.
69 - 71	1716 - 1739	Dense white limestone. Drills medium.
72 - 74	1739 - 1756	White slightly oolitic limestone. Drills medium to medium fine.

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75 - 76	1756 - 1766	Dense light tan and very light tan limestone. Drills medium.
77 - 78	1766 - 1777	Dense light tan limestone. Drills medium to coarse, a little gray silty limestone near base.
79	1777 - 1785	Dense black dolomite, some anhydrite. Drills medium. (Base Big Lime 1787.)
80	1785 - 1787	Dolomitic lime with white quartz rounded pebbles. Drills medium.
80 - 81	1787 - 1797	Brown siltstone. Drills medium.
82	1797 - 1800	Red silty mudstone. Drills medium.
82 - 85	1800 - 1825	Gray muddy siltstone. Drills medium to coarse.
86	1825 - 1833	Gray silty mudstone. Drills medium to coarse.
87 - 88	1833 - 1851	Very light greenish gray silty sandstone. Drills medium clusters. Hardly a trace of lime.
89 - 90	1851 - 1867	Dark gray mudstone with pyrite and light gray silty sandstone shell pyrite. Drills medium.
91 - 92	1867 - 1885	Dark gray micaceous silty mudstone, pyrite. Drills coarse.

93 - 95	2344 - 2370	Dark gray shale and light gray mudstone - pyrite - Drills medium.
96 - 97	2370 - 2380	Black shale with pyrite.
97	2380 - 2382	Fine grained light gray sandstone, pyrite. Drills into medium pieces.
98 - 99	2382 - 2404	Very light gray fine-grained quartzitic sandstone with pyrite and light gray mudstone with pyrite. Drills medium pieces. No lime.
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100 - 103	2404 - 2432	Very light gray mudstone and some sandstone shell - pyrite - drills medium to coarse.
104 - 105	2432 - 2446	Very light gray mudstone and a very little siltstone shell - pyrite. Drills medium.
106 - 111	2446 - 2489	Black silty shale 90% and some light gray mudstone and a little light tan sandstone shell. Drills medium.
112 - 114	2489 - 2506	Dark gray to black very bituminous siltstone 80%, a little black shale 10% and a very little light gray mudstone. Drills medium.
115	2506 - 2515	Very light gray mudstone and siltstone shell. No lime. Drills medium.
116 - 118	2515 - 2532	Very light gray silty sandstone and siltstone shell. Hardly a trace of lime. Drills medium to medium fine.
119 - 121	2532 - 2550	Very light gray mudstone and siltstone shell and a little silty sandstone shell. Drills medium.
122 - 126	2899 - 2948	Gray shale 60% and light gray mudstone. Drills medium.
127 - 128	2948 - 2965	Light Brown Shale 60% and light gray mudstone and a trace of silty sandstone shell. Drills medium.
129	2965 - 2971	Brown Shale 75% and light gray mudstone with pyrite. Drills medium.
130 - 131	2971 - 2993	Light gray mudstone and a little silty sandstone shell and Brown Shale with pyrite 30%. Drills medium.
132	2993 - 3002	Light gray mudstone, a little pyrite and some sandstone shell and Brown Shale 5%. Drills medium.

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133 - 134	3002 - 3021	Brown Shale 75%, light gray mudstone and a little sandstone shell. Drills medium to coarse.
135 - 144	3021 - 3115	Light gray mudstone and a little siltstone shell, pyrite, and light Brown Shale 20%. Drills medium.
145	3115 - 3126	Brown Shale 50% and light gray mudstone with pyrite. Drills medium.
146 - 147	3126 - 3148	Brown Shale 95%, some pyrite and a little light gray mudstone. Drills medium.
148 - 149	3148 - 3167	Light gray mudstone and some Brown Shale 20%. Drills medium.
150 - 152	3167 - 3194	Brown Shale 80% and light gray mudstone. Drills medium.
153 - 154	3194 - 3204	Light gray mudstone and some light Brown Shale with pyrite balls 20%. Drills medium.
155 - 159	3204 - 3248	Dark Brown Shale 95% (medium quality) and some light gray mudstone. Drills medium to coarse.
160	3248 - 3253	Black coffee shale, good quality. Drills medium.
161	3253 - 3268	Black coffee shale, pyrite and some Brown Shale 75%, light gray mudstone and a little sandstone shell. Drills medium.
162	3268 - 3282	Light gray mudstone and light tan sandstone shell, pyrite and some Black Coffee Shale 20%. Drills medium.
163 - 166	3282 - 3314	Light gray mudstone and some tan sandstone shell and Black Coffee Shale and some Brown Shale, pyrite 40%. Drills medium to medium fine.
167	3314 - 3324	Brown Shale and Black Coffee Shale. Drills medium.
168 - 169	3324 - 3342	Black Shale, pyrite 75% and light gray mudstone and some tan sandstone shell. Drills medium.
170 - 171	3342 - 3366	Dark brown to black shale. Drills medium to coarse. Some black fern spors.
172 - 174	3366 - 3407	Dark brown to black shale 90%. Gray mudstone and some siltstone shell. Drills medium to coarse. A little pyrite and some spors.
175 - 176	3407 - 3425	Black Shale 90% and light gray mudstone, some pyrite. Drills medium.
177 - 179	3425 - 3448	Black Shale, some Coffee and some silty. Drills medium.
179	3448 - 3451	Very light gray mudstone and siltstone shell, some pyrite. Drills medium.
Total Depth	3501	

Shot with 10,900# Detonite 2390-3501
Test Before Shot - no gas.
Tubed 147 M Shale.
353' of Cavings in hole.