

OLO No. 768
C. T. Fraley No. 2
Grant District, Wayne County
West Virginia

Elevation: 707'

Way. 519

Examined: 12-28-1948

1 - 3	1045 - 1072	Very light gray to light tan limestone with pyrite. Drills medium.
4 - 6	1072 - 1098	Light tan limestone, some pyrite. Drills medium.
7	1098 - 1106	Dense, very light tan limestone, slightly oolitic. Drills medium fine.
8	1106 - 1109	Dense white silty limestone. Drills medium.
9 - 10	1119 - 1135	White, slightly oolitic, limestone. Drills medium.
11	1135 - 1148	Dense white limestone. Drills medium.
14 - 17	1148 - 1180	Very light tan oolitic limestone, oolites drill free. Drills medium to medium fine.
18 - 20	1180 - 1196	Dense white silty limestone, some pyrite at top. Drills medium.
21 - 22	1196 - 1210	Very light tan slightly oolitic limestone. Drills medium fine. (7" Casing set at 1208'.)
23 - 25	1219 - 1240	Dense, very light tan to white silty limestone. Drills medium.
26	1240 - 1243	Light tan to dark brown very silty dolomitic limestone. Drills medium. (Base Big Lime 1243.)
27 - 28	1243 - 1258	Red and light reddish brown siltstone and some gray siltstone at top. Drills medium to coarse pieces. Some lime at top.
29	1258 - 1278	Red and blue gray silty sandstone shell. Drills medium. No lime.
30 - 31	1278 - 1299	Soft blue gray silty mudstone. Drills medium.
32 - 34	1299 - 1322	Light gray silty sandstone with much pyrite. Drills individual grains at top to medium pieces at base. Some lime at base. None at top.
35 - 37	1322 - 1356	Dark gray silty mudstone. Drills medium.

38 - 40	1799 - 1835	Dark Brown Shale, pyrite, and some mudstone. Drills medium.
41	1835 - 1840	Black Shale, pyrite. Drills medium.
42	1840 - 1846	Very light gray, very fine-grained sandstone with much pyrite, dolomitic. (Fair first Berea Sandstone, no shows reported.)
43 - 44	1846 - 1860	Gray, very silty sandstone, much pyrite. Drills medium pieces. No lime; dolomitic at base.
45 - 46	1860 - 1881	Light gray mudstone and fine-grained sandstone shell with pyrite. Drills medium. No lime or dolomite.
47 - 49	1881 - 1907	Light gray mudstone and a little sandstone shell. Drills medium.
50	1907 - 1920	Black silty shale, pyrite. Drills medium.
51 - 54	1920 - 1975	Brown silty Shale. Drills medium.
54 - 55	1975 - 1986	Light gray silty sandstone shell and mudstone. Drills medium.
56 - 57	1986 - 2000	Light gray siltstone and mudstone, some gray mudstone. Drills medium.

OLO No. 768
C. T. Fraley No. 2

58 - 60	2303 - 2329	Light gray mudstone and gray silty shale. Drills medium fine, slightly dolomitic.
61 - 64	2329 - 2370	Light Brown Shale 75% and light gray mudstone and a little siltstone shell. Drills medium to medium fine.
65	2370 - 2379	Light gray mudstone and a very little siltstone shell, pyrite and light Brown Shale 50%. Drills medium to medium fine.
66 - 67	2379 - 2401	Light Brown Shale 90% and a little gray mudstone. Drills medium.
68 - 69	2401 - 2415	Light Brown Shale 80% - pyrite - and a little gray mudstone and siltstone shell, slightly dolomitic.
70 - 71	2415 - 2431	Brown and light Brown Shale 75% and light gray mudstone. Drills medium.
72 - 73	2431 - 2451	Light gray mudstone and siltstone shell with some pyrite and Brown Shale 25%. Drills medium. No lime, no dolomite.
74 - 75	2451 - 2475	Brown and Light Brown Shale 75% and some light gray mudstone, some pyrite. Drills medium.
76 - 77	2475 - 2493	Light gray mudstone and a little siltstone shell - Brown Shale less than 5%. Drills medium.
78	2493 - 2497	Light gray mudstone and limey siltstone shell and Brown Shale 5%. Drills medium fine.
79	2497 - 2509	Light gray mudstone and Brown Shale 10%. Drills medium.
80 - 82	2509 - 2541	Light gray and gray mudstone and a little siltstone shell and some Brown Shale 10%. Drills medium to medium fine.
83	2541 - 2550	Brown, and some light Brown, Shale 75% and light gray mudstone and siltstone shell. Drills medium. Some lime.
84 - 86	2550 - 2597	Light Brown and a little Brown Shale 25%. Drills medium to coarse.
87	2597 - 2608	Light gray mudstone and some Brown Shale 20%. Drills medium.
88 - 89	2608 - 2629	Brown and light Brown Shale 60%, and light gray mudstone and a little pyrite. Drills medium.
90	2629 - 2635	Light gray mudstone and some Brown Shale 10%. Drills medium.
91	2635 - 2639	Light gray mudstone and some silty mudstone. Drills fine.
92 - 94	2639 - 2673	(6 M Gas at 2662.) Brown, some Light Brown, Shale 80% and some light gray mudstone. (Better quality shale than any above.) Drills medium.
95 - 96	2673 - 2699	Brown Shale 60% and light gray mudstone. Drills medium.
97	2699 - 2711	Soft Brown Shale 60% and gray mudstone. Drills medium.
98	2711 - 2721	Brown Shale 85% and some light tan mudstone. Drills medium.
99 - 101	2721 - 2754	Brown Shale 70% and light gray, slightly limey siltstone and silty mudstone shell. Drills medium to medium fine.
102 - 103	2754 - 2784	Brown Shale 80% and some light tan silty mudstone. Drills medium.
104 - 105	2784 - 2812	Black Shale 90% and some light tan silty mudstone. Drills medium.

OLO No. 768
C. T. Fraley No. 2

106	2812 - 2821	Black silty shale, some spors. Drills medium.
107	2821 - 2834	Black Shale 70% and red silty mudstone. Drills medium to coarse.
108 - 109	2834 - 2861	Black Shale 90%, some light tan silty mudstone. Drills medium to coarse. (Gas 2861 increased 3 M to 5 M.)
110	2861 - 2870	Do.
110 - 114	2870 - 2899	Light blue gray shale and some gray shale and Brown Shale 25%. Drills medium to coarse.
Total Depth	2899	

Some question as to total depth and bottom of shale on this well. Drillers made error on bottom of shale or measurements.

Shot 9800# Detonite 1917 - 2899
T. B. Shot 4 M
Tubed - 147 M
199' of cavings in hole.