

O. L. O. No. 764

C. E. Counts No. 1
 Grant District, Wayne County
 West Virginia
 2768 M Big Lime Natural
 Elevation - 1027.45

Way 510

Examined 11-14-47

1 -	1510 - 1512	Fine white sub angular quartz sandstone. Drills fine individual grains.
1 - 4	1512 - 1533	Light gray silty limestone. Drills medium.
5 - 6	1533 - 1543	Do.
7 - 8	1543 - 1553	Light tan limestone. Drills medium fine.
8 - 9	1553 - 1558	Do. Drills coarse.
10 - 13	1558 - 1580	Dense tan limestone. Drills medium to medium fine. (Show oil 1577 - 1580. 86 gal. 24 hrs.) No evidence of oil in samples treated with carbon tet.
14 -	1580 - 1584	Dense very light tan limestone. Drills medium.
15 -	1584 - 1590	Very light gray limestone, white and oolitic at base. Drills medium.
16 -	1590 - 1596	White very oolitic limestone with large openings between oolites. (Gas 1590 - 1598 3320 M tested. 2768 M when shut in - 8 day R. P. 425#)

Total Depth 1598

Big Lime 2768 M natural

OLO No. 764
C. E. Counts
Grant District
Wayne County, W. Va.
Elevation: 1027
Drilled Deeper

Way. 510

Examined: 12-10-1948

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|---------|-------------|--|
| 1 - 5 | 1622 - 1647 | Light tan oolitic limestone, many oolites drill free. Drills medium fine. |
| 6 - 10 | 1647 - 1686 | Dense white limestone. Drills medium to medium fine. |
| 11 - 13 | 1686 - 1709 | Light tan limestone. Drills medium to medium fine. |
| 14 - 17 | 1709 - 1749 | Reddish brown siltstone shell and a little red silty mudstone. Drills medium. |
| 18 | 1749 - 1763 | Light blue gray mudstone and some silty micaceous sandstone shell. Drills medium. |
| 19 | 1763 - 1766 | Gray siltstone, light gray silty sandstone and some red silty mudstone. Drills medium. |
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| 20 - 22 | 1796 - 1829 | Light blue gray siltstone and mudstone and some silty sandstone shell. Drills medium. |
| 23 | 1829 - 1866 | (One Sample). Gray mudstone and siltstone shell. Drills medium fine. |
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| 24 - 25 | 2323 - 2336 | Very light gray quartzitic sandstone shell and light gray mudstone. Drills medium. (Top Berea Sand not sampled.) |

Examined: 12-15-1948

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| 26 | 2622 - 2636 | Light gray siltstone and sandstone shell. No lime. Drills medium. |
| 27 - 29 | 2636 - 2691 | Light gray mudstone and siltstone shell. Drills coarse to medium fine. |
| 30 - 31 | 2691 - 2734 | Gray mudstone and a little siltstone shell. Drills medium. |
| 32 - 36 | 2734 - 2798 | Brown Shale 90% and a little light gray mudstone. Drills medium. |
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| 37 - 39 | 2809 - 2840 | Light gray mudstone, some gray shale and a little siltstone shell. Drills medium to coarse. (From 2820 to 3164. Drillers to 10 feet, samples depths uncertain) |
| 40 | 2840 - 2850 | Light Brown Shale 85% and light gray silty mudstone. Drills medium. |
| 41 - 44 | 2850 - 2890 | Gray shale 60%, light gray mudstone, some pyrite balls. Drills coarse to medium fine. |
| 45 - 54 | 2890 - 2990 | Light gray mudstone and Gray Shale 50%. Drills medium to medium fine. |
| 55 - 58 | 2990 - 3030 | Light Brown Shale, some pyrite 70%, light gray mudstone. Drills medium to coarse. |
| 59 - 69 | 3040 - 3150 | Light Brown Shale 80% and light gray mudstone. Drills medium. |
| 70 - 71 | 3164 - 3184 | (Drillers resumed keeping samples correctly.) Brown Shale. Drills medium. |
| 72 - 73 | 3184 - 3205 | Brown Shale, pyrite, 80% and some light gray mudstone. |
| 74 | 3205 - 3211 | Brown Shale. Drills medium. |

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75 - 76	3211 - 3221	Brown Shale, pyrite, 80% and light gray mudstone and a little light tan sandstone shell. Drills medium.
77 - 80	3221 - 3260	Light Brown Shale 70% and light gray mudstone and light tan sandstone shell. Drills medium to medium fine.
81 - 86	3260 - 3310	Dark Brown Shale 90% and some light gray mudstone. Drills medium.
87 - 93	3310 - 3363	Brown Shale, very little pyrite, 90% and some gray mudstone. Drills medium to coarse.
94 - 95	3363 - 3385	Very light gray mudstone and a little limey silty sandstone shell. Drills medium.
96 - 99	3385 - 3416	Light blue gray mudstone, a little slightly limey silty sandstone shell and Brown Shale 10%. Drills medium.

Total Depth 3416

Shot Brown Shale 10,950# Detonite 2300 - 3414
 Test Before Shot 54 M (Big Lime Gas)
 Tubed 183 M Shale
 63 M Lime
 296 M Total

These samples were poorly kept.