

CLAY-365-R

H. P. Moore No. 1 Well

Otter District, Clay County, W. Va.

By South Penn Natural Gas Company, Parkersburg, W. Va.

Located 1.12 mi. W. of 81°08' and 5.62 mi. S. of 38°40' - C - Otter Quadrangle.

Elevation 849.87' ground

Permit Clay - 365-R

Drilling commenced Dec. 10, 1943; completed Jan. 26, 1944.

Gas well

10" casing, 37'4"; 8 5/8" casing, 362'7"; 7", 1737'.

Section based on samples from 1578 to 2017' examined by J.H.C. Hartens.

| Top | Bottom | Thickness | |
|---------------------------------------|--------|-----------|--------------------------------------------------------------------------------------------------|
| <u>Pottsville Formation 18+ feet</u> | | | |
| 1578 | 1591 | 13 | Sandstone, white, coarse |
| <u>Mauch Chunk Group, 146 feet</u> | | | |
| 1591 | 1606 | 15 | Siltstone and silty shale, gray; many brown spots of siderite in the siltstone |
| 1606 | 1625 | 19 | Shale, red and gray, soft |
| 1625 | 1629 | 4 | Siltstone, light-gray, fine, calcareous |
| 1629 | 1636 | 7 | Siltstone, gray |
| 1636 | 1645 | 9 | Shale, gray and grayish-red, soft |
| 1645 | 1658 | 13 | Shale, red, gray and yellow |
| 1658 | 1670 | 12 | Shale, gray to grayish-green |
| 1670 | 1676 | 6 | Limestone, brown with ^{white} spots, fossiliferous, 60% shale of various colors, 40% |
| 1676 | 1703 | 27 | Limestone, brown, fossiliferous |
| 1703 | 1711 | 8 | Sandstone, white to gray, very fine |
| 1711 | 1718 | 7 | Siltstone, brownish-gray |
| 1718 | 1725 | 7 | Shale, gray, distinctly laminated, 60%; brownish-gray siltstone, 40% |
| 1725 | 1737 | 12 | Shale, gray, partly silty and partly fine and distinctly laminated |
| <u>Greenbrier Limestone, 181 feet</u> | | | |
| 1737 | 1742 | 5 | Limestone, brown with a few oolites (show oil, 1740') |
| 1742 | 1761 | 19 | Limestone, light-brown |
| 1761 | 1768 | 7 | Limestone, brown, slightly sandy |

| Top | Bottom | Thickness | |
|-----------------------------------|--------|-----------|-------------------------------------------------------------------------------------------------------------|
| 1738 | 1805 | 17 | Limestone, light-brown to nearly white, partly oolitic (show oil; 1732') |
| 1805 | 1893 | 18 | Limestone, light grayish yellow, highly dolomitic, with many small pores (gas, 1808-1818', 215,000 cu. ft.) |
| 1893 | 1892 | 11 | Limestone, light-brown |
| 1892 | 1862 | 30 | Limestone, light-brown to nearly white, with some small oolites |
| 1862 | 1870 | 8 | Limestone, brown, sandy and oolitic |
| 1870 | 1878 | 8 | Limestone, brown with a few green spots |
| 1878 | 1883 | 5 | Limestone, light-brown, sandy, with a few oolites |
| 1883 | 1896 | 13 | Limestone, light-brown to gray, dolomitic |
| 1896 | 1913 | 22 | Limestone, brown and gray, contains a few rounded sand grains near bottom |
| <u>Peasno Formation, 99+ feet</u> | | | |
| 1913 | 1945 | 27 | Shale, gray with silty streaks; very little red shale at top |
| 1945 | 1963 | 8 | Siltstone, gray |
| 1963 | 2017 | 64 | Shale and siltstone, gray |
| | 2019 | | Total depth |