

O. C. Parsons No. 1 (8596) Well

Washington

Washington District, Ritchie County, W. Va.

By Hope Natural Gas Company, Clarksburg, W. Va.

Located 1.43 mi. W. of 81°35' and 0.51 mi. S. of 38°50' - 80 - Ripley Quadrangle.

Elevation 778' L.

Permit Jac - 197

Drilling commenced September 5, 1941; completed Nov. 13, 1941.

Dry hole.

Fresh water 90', 517'; salt water, 1718'.

Section based on samples from 1610 to 5133', examined by C. W. Apocourl. Samples from 1143 to 1610' are also on file.

Top	Bottom	Thickness	
<u>Pottsville Formation, 243 feet</u>			
1610	1620	10	Shale, gray
1620	1630	10	Siltstone, light-brown, sandy
1630	1640	10	Shale, dark-gray
1640	1645	5	Shale, light-gray, with siderite spherulites
1645	1654	9	Siltstone, light-gray
1654	1672	18	Shale, gray to brown
1672	1681	9	Siltstone, light-gray, sandy
1681	1703	22	Shale, gray
1703	1958	155	Sandstone, white, some coarse grains near bottom
<u>Greenbrier Limestone, 95 feet</u>			
1958	1974	16	Limestone, nearly white, colitic
1974	1978	4	Limestone, nearly white, sandy
1978	1990	12	Limestone, nearly white, colitic, sandy
1990	1904	14	Limestone, light-brown, very sandy
1904	1911	7	Sandstone, white, with some colitic limestone
1911	1918	7	Limestone, nearly white, very sandy
1918	1935	17	Limestone, nearly white, sandy, dolomitic
1935	1938	3	Limestone, light-brown
1938	1953	15	Limestone, brown to light-brown, dolomitic, somewhat sandy
<u>Pocono Formation, 469 feet</u>			
1953	1957	4	Sandstone, white, very fine, with some coarse grains, 75%; yellow siderite, 25%

Top	Bottom	Thickness	
1957	1970	13	Sandstone, white, very fine, with some coarse quartz grains and some siderite
1970	1973	3	Sandstone, white, fine to medium-grained
1973	2003	30	Sandstone, white, very fine
2003	2109	101	Shale, gray, with a little siltstone
2109	2134	25	Siltstone, white, sandy, calcareous, 50%; gray shale, 50%
2134	2204	70	Siltstone, light-gray to brown, sandy
2204	2345	141	Shale, gray
2345	2352	7	Shale, and siltstone, gray
2352	2397	45	Shale, gray, silty
2397	2421	24	Shale, very dark gray (Sunbury Shale)
2421	2422	1	Sandstone, white to light-gray, very fine, with many small specks of pyrite (Berea Sandstone; thickness estimated)
<u>Devonian Shales, 2302 feet</u>			
2422	2515	93	Shale and siltstone, gray
2515	2520	5	Shale, greenish-gray
2520	4957	2437	Samples not examined
4957	5012	55	Shale, very dark-gray to black
5012	5024	12	Shale, light-gray, 65%; very dark gray shale, 35%
<u>Huntersville Chert, 129 feet</u>			
5024	5041	17	Limestone, brown, somewhat shaly (top of Huntersville Chert is at 5030' in driller's record)
5041	5150	109	Chert and cherty limestone, gray to brown
5150	5153	3	Limestone, light-brown, cherty and highly glauconitic, contains some dolomite and some sand grains similar to those in the Crickany
<u>Crickany Sandstone, 31+ feet</u>			
5153	5156	3	Sandstone, white, fine (show of gas, 5156')
5156	5174	18	Sandstone, white, fine, calcareous
5174	5183	9	Sandstone, white
	5184		Total depth

5024  
776  
4248