

T. C. Hammett No. 3725 Well

Grant District, Ritchie County, W. Va.

By Hope Construction and Refining Company, Clarksburg, W. Va.

Located 3.32 mi. W. of 81°10' and 3.39 mi. S. of 39°20' -SW- St. Marys

Quadrangle; 400 ft., S 31°54' E. of No. 3722.

Elevation, 1073'.

Permit, Rit-789

Drilling commenced Feb. 5, 1940; completed, Feb. 26, 1940.

Shot, Feb. 27, 1940 at 1949 to 1959'.

No coal or fresh water recorded; salt water at 1780'.

10" casing, 141' (pulled); 8 1/4", 1074'; 6-5/8", 1807'.

Samples from 1340 to 1970' with some gaps, examined by J. H. C. Martens.

Top	Bottom	Thickness	
			<u>Pennsylvanian, 458+ feet</u>
1340	1362	22	Sandstone, very light gray, medium-grained; a little gray and brown shale, 1350-1362'
1362	1390	28	Sandstone, white, medium-grained
1390	1520	130	No samples
1520	1590	70	Sandstone, very light gray, medium-grained; contains small amounts of muscovite, chlorite, kaolin, siderite, and carbonaceous matter
1590	1600	10	Siltstone, gray, shaly, micaceous
1600	1620	20	No samples
1620	1689	69	Sandstone, white with a little brown stain, medium- to fine-grained; crystal faces on many of quartz grains
	1712		Sandstone, gray, fine, shaly
1712	1770	58	Sandstone, white with a little brown stain, fine- to medium-grained; crystal faces on many of quartz grains
1770	1786	16	Sandstone, white, fine; thoroughly broken up into individual grains, many of which have crystal faces
1786	1794	8	Sandstone, white, coarse, 90%; black shale, 10%
1794	1798	4	Sandstone, white, medium-grained

Top	Bottom	Thickness	
<u>Greenbrier Limestone, 427 feet</u>			
1798	1807	9	Limestone, very light brown; samples contain much sand, but it is probably from the sandstone above
1807	1840	33	No samples (base of "Big Line" reported at 1842')
<u>Pocono Formation, 130+ feet</u>			
1840	1845	5	Sandstone, very light brown, coarse; contains many siderite spherulites; a few pieces of green siltstone (show of gas, 1842')
1845	1850	5	Sandstone, white, medium-grained
1850	1863	13	Sandstone, nearly white, medium-grained; poorly sorted and contains a few coarse to very coarse grains; some siderite spherulites; about 5% of green siltstone
1863	1885	22	No samples
1885	1902	17	Sandstone, white, medium- to coarse-grained; crystal faces on many grains (oil at 1896')
1902	1938	36	Sandstone, white, medium- to coarse-grained; about 2 to 5% of dark-gray to black shale
1938	1943	5	Siltstone, gray, shaly
1943	1949	6	Sandstone, light-gray, fine, 60%; gray, shaly siltstone, 40% (oil at 1949')
1949	1958	9	Sandstone, white, very coarse; contains some broken pebbles
1958	1964	6	Sandstone, nearly white, medium-grained, poorly sorted
1964	1970	6	Shale, gray, silty
	1970		Total depth