

Park Smith No. 1 Well

Spring Creek District, Wirt County, W. Va.

By Benedum-Trees Oil Company, Pittsburgh, Pa.

Located 0.39 mi. S. of 38° 55' and 1.6 mi. W. of 81° 20' - C - Spencer
Quadrangle.

Elevation, 808.44' L.

Permit Wirt-171.

Drilling Completed Dec. 5, 1942.

Dry hole.

Section based on incomplete set of samples from 1795 to 5670' examined
by J. H. C. Martens.

Pottsville and Pocono Formations, 510+ feet

Top.	Bottom.	Thick- ness.	
1795	1805	10	Sandstone, white, coarse, nearly all quartz
1805	1820	15	No sample
1820	1836	16	Sandstone, white, coarse
1836	1850	14	No sample
1850	1885	35	Sandstone, white, coarse, nearly all quartz; crystal faces on many grains
1885	1900	15	Sandstone, white, coarse, 80%; siderite, 10%; gray silty shale, 10%
1900	1930	30	Sandstone, white, coarse; some siderite and gray silty shale, 1910-1920'
1930	1935	5	Sandstone, white, very coarse, pebbly
1935	1945	10	Sandstone, brownish, coarse, 80%; siderite, 10%; gray silty shale, 10%
1945	1970	25	Sandstone, brown, very fine with some coarse grains, 60%; gray shale and siltstone, 40%; sandstone contains much siderite
1970	1975	5	Sandstone, light-brown, very fine; contains some fossil shells
1975	2250	275	No samples.
2250	2280	30	Shale, gray, silty

Top.	Bottom.	Thick- ness.	
2280	2300	20	Shale, very dark gray (Sunbury Shale)
2300	2305	5	Siltstone, nearly white, coarse, containing a few large sand grains (Berea)

~~2305~~

Devonian Shales, 3120 feet

2305	2450	135	Shale and siltstone, gray
5388	5400	¹² →	Shale, black, slickensided; a few pieces of brown, impure, fossiliferous limestone, but no compact chert

Huntersville Chert, 229 feet

5425			Top of Onondaga in Carnegie Natural Gas Co. drilling report.
5400	5440	✓40	Gap in samples, probably due to depth correction.
5440	5443	3	Limestone, brown, very cherty; also small amount of black shale and a few silty fragments containing brown biotite
5443	5654	211	Chert and limestone, gray and brown; thin glauconitic streak at bottom

Oriskany Sandstone, 16+ feet

5654	5670	16	Sandstone, white, medium-grained (Salt water)
	5670		Total depth.